English Language for Associate Degree in Science

Total Mark: 100

Appendix 'A'

(Outlines of Tests)

There will be one paper carrying 100 marks of three hour's duration.

1. Prose Part:

50 Marks

2. General Part:

50 Marks

i. Comprehension

15 Marks

ii. Report writing

10 Marks

iii. Translation into English

10 Marks

iv. Essay (200 words)

15 Marks

Appendix 'B'

(Syllabi and Courses of Reading)

1. Prose Part:

50 Marks

Text Book:

50 Marks

A Selection of English Prose by Dr. Nousheen Khan

and Prof. Ghulam Sarwar Qureshi

2. General Part:

50 Marks

i. Comprehension

15 Marks

ii. Report writing

10 Marks

iii. Translation into English

10 Marks

iv. Essay (200 words)

15 Marks

Associate Degree in Arts

English Language-II

Appendix 'A'

(Outlines of Tests)

Total Mark: 100

Section-I

Q.l	Question From "A Selection From Modern English Essays."	20
Q.2	Question From The Old Man, and the Sea.	20
Section	on-II	
Q.3.	Essays with outline	25
Q.4.	Correction of Sentences.	10
Q.5	Idioms and Phrasal verbs.	10
Q.6	Letter writing or Job Application.	15
		100
	Appendix 'B'	
	(Outlines of Tests)	

Recommended Books:

- 1. A Selection of Modern English Essays: edited by Prof. Sajjad Sheikh, published by Maktaba-e-Karvan, Katchcry Road, Lahore
- 2. The Old Man and the Sea: Eornest Hemingway.
- 3. Skill Worker (Caravan) by Dr. Surriya Shafi, Prof. Sabiha Mansoor & Prof. Humaira Irfan.

م. تاملات في الحياة: للنابغة الذبياني

🖈 شعراء صدر الاسلام

الف في الغزل لجرير

وله ايضاً من قصيدة يرثى بها امراته

١. في مدح زين العابدين على بن الحسين: للفرزدق

٣ في هجاء بني تميم: للاخطل

وله ايضاً في وصف سكران

٣. في الغزل: لكثير عزة.

٥. رسالة الى الثريا: لعمر بن ابى ربيعة

الشعراء المخضرمون المحضرمون

ا من قصيدة في مدح النبي الاعشى قيس

٢. في مدح النبي التي الحسان بن ثابت.

r. في رثاء صخر: للخنساء

٣. في الحماسة و الفروسية لعمر وبن معديكرب

🖈 شعراء العصر العباسي

الاذن تعشق احيانا: لبشاربن برد.

المهدى: لابى العتاهية

٣. في طلب العلم: للامام الشافعي

عاقبة الجهالة: لابي نواس

وله ايضافي الصمت

_!

». الحبالاول: لابي تمام

· في شكوى الزمان والاخوان: للمتنبي

من لطيف التشبيه: لصاحب بن عباد

المعرى في الفخر و الردعلي الحساد لابي العلاء المعرى.

٩ من لامية العجم: لابي اسماعيل الطغرائي.

Recommended Books:

الادب العربي: ترتيب ذاكثر خالقداد ملك مطبوعه آزادبك ثيو.

الادب العربي: تقديم ذاكثر محمد اعزاز الحسن شاه مطبوعه آزاد بك ذيو

المنهج العربي ترتيب لجنة اساتذه جامعة پنجاب لاهور.

ASSOCIATE DEGREE IN SCIENCE

Total Mark: 100

Botany-II Appendix 'A'

(Outlines of Tests)

Paper-A: Cell Biology, Genetics and Evolution (Written)

35 Marks

Paper-B:

Plant + Physiology and Ecology (Written)

35 Marks

Paper-C:

(Practical-I)

15 Marks

Paper-D:

(Practical-II)

15 Marks

Note:

(a) The 70% portion of question paper will be subjective type and 30% objective type, the question paper will be section wise and each question will be divided in parts.

(b) The choice in attempting the question will be minimized to some extent.

Appendix 'B'

(Syllabi and Courses of Reading)

Paper-A: Cell Biology, Genetics and Evolution

35 Marks

Cell Biology:

1. Structures and Functions of Bio-Molecules

Carbohydrates

Lipids

Proteins

Nucleic Acids

- 2. Cell: The Physico-chemical nature of Plasma membrane and cytoplasm.
- 3. The ultra structure of plant cell with a brief description and functions of the following organelles
 - i. Endoplasmic reticulum
 - ii. Plastids
 - iii. Mitochondria
 - iv. Ribosomes
 - v. Dictyosomes
 - vi. Vacuole
 - vii. Microbodies (Glyoxysomes + Peroxysomes)
- 4. Nucleus: Nuclear membrane, nucleolus, ultrastructure and morphology of chrosomes, karyotype analysis
- 1. Reproduction in somatic and embryogenic. cell, mitosis & meiosis, cell cycle

- 2. Chromosomal aberrations.
 - i. Change in the number of chromosomes. Apeuptoidy and Euploidy
 - ii. Changes in the structure of chromosomes, Deficiency, Duplication, Inversion and Translocation.

Genetics:

- 1. Introduction scope and brief history of genetics. Mendelian inheritance; Laws of segregation and independent assortment, back cross, test cross, dominance and incomplete dominance.
- 2. Sex linked inheritance, sex linkage in. Drosophila and man (colour blindness. XO. X Y. WZ mechanism, sex limited and sex linked characters, sex determination.
- 3. Linkage and crossing over: Definition, Linkage groups, Construction of linkage maps, Detection of linkage.
- 4. Molecular genetics; DNA replication- Nature of gene, Genetic code, Transcription, Translation, Protein synthesis, Regulation of gene expression (e.g. lac operon).
- 5. Transmission of genetic material in Bacteria: Conjugation gene recombination in E. coli Transduction and Transformation.
- 6. Principles of genetic engineering biotechnology; Basic genetic engineering techniques.
- 7. Application of genetics in plant improvement: Induction of genetic variability (gene mutation, recombination), Physical and chemical mutagens, Selection, Hybridization and plant breeding techniques, Establishment of varieties Release of new varieties.
- 8. Recombinant DNA technology, Plasmid vector, Cloning vectors, Polymerase chain reaction, Genetic Transformation in Plants.

Paper-B: Plant Physiology and Ecology

35 Marks

Physiology:

- 1. Types and properties of solutions. Electrolytes and non-electrolytes. SI units for expressing concentration of solutions, acids, bases and salts, pH. Definition of buffers and their role in biological systems. Colloidal systems, their nature, properties, and biological significance.
- 2. Wafer relations (water potential, osmotic potential, pressure potential, matric potential)
 Absorption and translocation of water. Transpiration, factors affecting transpiration. Stomatal structure and functions.
- 3. Mineral nutrition: Soil as a source of minerals. Passive and active transport of nutrients. Essential mineral elements, their role and deficiency sympotoms withemphasis on N.K.P & Ca.
- 4. Enzymes: Definition, nature, classification and properties.
- 5. Photosynthesis: The process; absorption and action spectra. Mechanism: light reactions (electron transport and photophosphorylation) and dark reactions (Calvin cycle). Factors

- affecting this process; concept of limiting factors. Products of photosynthesis.
- 6. Respiration: Definition and mechanism, Glycolsis. Krebs cycle. Electron transport systemand oxidative phosphorylation. Anaerobic respiration. Respiratory substrates and respiratory quotients.
- 7. Nitrogen Metabolism: Biological nitrogen fixation.
- 8. Growth: Definition; role of auxins, gibberellins, cytokinins abscisic acid and ethylene in controlling growth, introduction to plant tissue culture.
- 9. Photoperiodism: Definition. Historical .background, Short day, Long day and day neutral plants. Role of phytochromes and hormones in photoperiodism.
- 10. Dormancy: Definition and causes of seed dormancy: Methods of breaking seed dormancy.
- 11. Vernalization: Annual and biennial forms. Hormonal concept and phasic development theory.
- 12. Plant Movements: tropic movements phototropism, Gravitrepism and their mechanisms. Nastie movements.

Ecology:

- 1. Concepts of Ecology
- 2. Brief history of Ecology
- 3. Ecophysiology
- (a) Light and temperatureresponses
 - i. Quantity of light
 - ii. Variation in light (temperature)
 - iii. Ecophysiological responses
- (b) Edaphology
 - i. Brief introduction of soil forming process
 - ii. Texture, structure, and water
 - iii. Chemicl Properties
 - iv. Biological components: Soil Organisms. Organic matters
 - v. Soil erosion, causes and solutions
- (c) Water
 - i. Precipitation: kinds, and affectivity.
 - ii. Distribution of vegetation in relation to moisture.
- (d) Water logging and salinity, causes, effects and reclamations
- (e) Wind-Ecological importance of wind
- 4. Population Ecology

A brief introduction, history and background. Seed dispersed. Seed bank, Demography, Reproductive strategy.

- 5. Community Ecology
 - i. Concept of plant community-attributes
 - ii. Sampling methods
 - iii. Succession-history, concept, development and modern theories of succession
 - iv. Brief concept of productivity.
 - v. Local vegetation
- 6. Ecosystem
 - i. Definition and background with special reference to pond, Desert, Forest and grassland
 - ii. Ecological dynamics
 - iii. Biogeochemical cycle (Hydrologic and nitrogen cycle).
- 7. Pollutions: Soil, water and air pollution

Paper-C: Practical-I

15 Marks

Cell Biology:

- 1. Study of cell structure using compound microscope ami elucidation of ultra-structure from electron microphotographs
- 2. Measurement of cell size.
- 3. Study of mitosis and meiosis by smear squash method and from prepared slides.
- 4. Study of chromosome morphology and variation in chromosome number.
- 5. Extraction and estimation of carbohdrate, protein. RNA. DNA from plant sources.

Genetics:

- 1. Genetical problems related to transmission and distribution of genetic material.
- 2. Identification of DNA in plant material. Carmine, orcein staining.
- 3. Study of salivary gland chromosomes of Drosophila.

Paper-D: Practical-II

15 Marks

Physiology:

- 1. Preparation of solutions of specific normality of acids/bases, salts, sugars, molal and molar solutions and their standardization.
- 2. Determination of uptake of water by swelling seeds when placed in sodium chloride of different concentrations.
- 3. Measurement of leaf water potential by the dye method.
- 4. Determination of the temperature at which beet root cells lose their permeability.
- 5. Determination of the effects of environmental factors on the rate of transpiration of a leafy shoot by means of a photometer/by cobalt chloride paper method.
- 6. Tests for sugars (Reducing and non-reducing). Glucose, maltose, fructose.
- 7. Chemical tests for the following cell constituents:

- i. Starch
- ii. Cellulose
- iii. Lignin
- iv. Proteins
- 8. Extraction of chlorophyll from the leaves and separation of component pigments no a paper chromatogram. Study of absorption spectra using spectrophotometer.
- 9. Comparison of the effects of green, red and blue-coloured light on the amount of oxygen evolved by a photosynthesizing plant.
- 10. Estimation of oxygen utilized by a respiring plant by Winkler's method.
- 11. Extraction of amylase from germinating wheat seeds and study of its effect on starch breakdown.
- 12. Measurement of carbon dioxide evolution during respiration of germinating seeds by the titration method.
- 14. Measurement of growth by leaf area increase method.
- 15. Study of different stages of seed germination.

Ecology:

- 1. Measurement of light and temperature.
- 2. Effect of light and temperature on seed germination
- 3. Determination of soil texture by hydrometer method.
- 4. Determination of maximum water holding capacity.
- 5. Determination of carbonates, electrical conductivity and pH in Soil and Water.
- 6. Measurement of wind velocity.
- 7. Population demographic techniques.
- 8. Measurement of vegetation by Quadra: and plotless methods
- 9. Determination of productivity by harvest method
- 10. Trips / visits to ecologically diverse vegetations.

Recommended Books:

- 1. Barbour, M. G., J.H. Burke and W.D. Pitts, 1999. Terrestrial Plan Ecology, The Benjamin. Gumming Publishing Co. Palo Alto California. U.S.A.
- 2. Carroll, S.B., Grenier J.K. am! Welnerbee, S.d. 2001. From DNA to Diversity-Molecular Genetics and the Evolution of Animal Design. Blackwell Science.
- 3. Chapman, J.L. and Reiss MJ. Ecology: principles and application. Cambridge University Press,
- 4. Dyonsager, V.R. (1986). Cytology and Genetics. Tata and McGraw Hill Publication Co. Lid.. New Dehli,
- 5. Hopkins. W.B. 1999, Introduction to Plant Physiology. 2nd Ed. john Wilcy& sans New York.
- 6. Hoelzel. A.R. 2001. Conservation Genetics. Kluwar Academic Publishers.

- 7. Ihsan Ullah; (1995). Plant Physiology, Biochemical Processes in Plants, UGC Press.
- 8. Lodish. H. 2001. Molecular Coil Biology. W.H. Freeman and Co.
- 9. Ricklefs. R.E. 2000. Ecology. W.H. Freeman & Co. U.K.
- 10. Ricklefs. E.R. 2001. The Economy of Nature W.H. Freeman & Co. U.K.
- 11. Salisbury F.B. and Ross C. B. 1999. Plant Physiology. 5th Edition. Wadsworth Publishing Co. Belmont CA.
- 12. Taiz, L and Zeiger, E. 1998. Plant Physiology. 2nd Ed. Sinauers Publ, Co.lnc.Calif.
- Sinha, U. and Sinha, S. (1988). Cytogenesis Plant Breeding and Evolution.
 Vini Educational Books, New Dehli.
- 14. Strickberger, M.V. (1988), Genetics, MacMillan Press Ltd, London.
- 15. Hussain P. 1989. Field and Laboratory Manual of Plan Ecology National Academy of Higher Education, Islamabad.
- 16. Krebs. C.J. 1997. Ecology. Harper and Row Publishers.
- 17. Lewin. R. 1997. Principles of Human Evolution. Blackwell Science.
- 18. Moore, P.D. and S. B. Chapman. 19S6. Methods in Plant Ecology Blackwell Scientific Publication, Oxford.
- 19. Smith. R.L. 1996. Ecology and Field Biology. Addison Wesley Longman Inc., New York.
- 20. Smith. R.L. 1998 Ecology of Elements. Harper & Row Publisher) New York.
- 21. Stiling O.D. 1996. Ecology: Theories and applications. Prentice Hall, New Jersey.
- 22. Subrahmanyarm. N.S. and Sambamurthy, A.V.S.S. 2000. Ecology Narosa Publishing Houses, New Delhi.
- 23. Townsend. C.R. Harper J.L. and Begon M.E. 2000. Essentials Ecology. Blackwell Scientific Publications, UK
- 24. Witham & Devlin. 1986 Exercises in Plant Physiology, AWS Publishers, Boston.

ASSOCIATE DEGREE IN SCIENCE Chemistry- II

(Outlines of Tests)				
Paper-A: Organic Chemistry (Written):	40 Marks			
Paper-B: Applied Chemistry (Written):	40 Marks			
Paper-C: Organic Chemistry & Applied Chemistry (Practical-II)	10+10=20 Marks			

(Syllabi and Courses of Reading)

Paper A: Organic Chemistry

Marks: 40

It is compulsory to attempt at least TWO questions from each section.

Section-I

1. Basic Concepts

Weightage of marks

3

Atomic, molecular and hybrid orbitals; multiple localized and delocalized bonds; properties of bonds, inductive effect (-I, +I), dipole moment. The concept of resonance, rules for resonance; resonance energy; steric inhibition of resonance; hyperconjugation; resonance effect (-R, +R); hydrogen bonding; tautomerism (keto-enol).

2. Hydrocarbons

Weightage of marks

4

Classification of hydrocarbons. Nomenclature, methods of preparations, physical characteristics and chemical reactions of alkanes, cycloalkanes, alkenes and alkynes. Source of aromatic hydrocarbons. Structure of benzene and the concept of aromaticity. Aromatic electrophilic substitution reactions.

3. Stereoisomerism

Weightage of marks

-5

Conformational analysis of ethane (C_2H_6) and butane (C_4H_{10}). Optical isomerism: optical activity, chiral carbon atom and optical isomerism. Geometrical (cis/trans) isomerism. Relative (D/L) and absolute (R/S) configuration. Creation of chiral carbon and racemization; resolution of racemic mixture. Elements of symmetry; optical isomerism in compounds containing one or two asymmetric carbon atoms (concept of enatiomerism & diasteroisomerism); designation of absolute configuration (CIP rule).

4. Alkyl Halides

Weightage of marks

4

Nomenclature, methods of preparation and chemical reactions with special reference to nucleophilic substitution ($S_N 2 \& S_N 1$) and elimination reactions ($E_2 \& E_1$) of alkyl halides. Preparations, structure and synthetic applications of Grignard's reagents.

5. The Hydroxyl group and Ethers

Weightage of marks

Nature of hydroxyl group in alcohols and phenols.

Alcohols: Classification and nomenclature of alcohols; methods of preparation and chemical reactions of alcohols; distinction between 1°, 2° and 3° alcohols; Polyhydric alcohols.

Phenols: Methods of preparation & chemical reactions of phenols; acidity of phenols; *Ethers*: Methods of preparation (Williamson's synthesis) and reactions of ethers.

Section- II

6. The Carbonyl Group

Weightage of marks

5

Nature of carbonyl group and its reactivity; nomenclature, methods of preparation & chemical reactions of aldehydes and ketones; distinction between aldehydes and ketones; Aldol reactions (self & cross).

7. Carboxylic Acids and their Derivatives

Weightage of marks

6

Nomenclature, methods of preparation and chemical reactions of carboxylic acids; strength (pKa) of carboxylic acids and the factors affecting it. Formation and hydrolysis of acid anhydrides, acid amides, acid halides and esters including glycerides. Introduction to amino acids.

8. Nitrogen Compounds: Amines:

Weightage of marks

5

Classification, nomenclature, methods of preparation and chemical reactions of amines; distinction between 1°, 2° and 3° amines. Preparation and reactions of aniline. Basicity of aliphatic and aromatic amines and factors affecting it. Diazzonium salts and their synthetic applications.

9. Bio-molecules and Simple Heterocycels

Weightage of marks

2

Importance, nomenclature, properties, synthesis and reactions of simple heterocycles (carbohydrates, proteins, lipids, nucleic acids).

Recommended Books (Organic Chemistry)

- 1. Younas, M., "Text Book of Organic Chemistry" Ilmi Kutab Khana, Lahore (2006).
- 2. Rehman, A., "Text Book of Organic Chemistry" Caravan Book House, Lahore (2006).
- 3. March, J., "Advanced Organic Chemistry" Wiley, New York (1992).
- 4. Pine, S. H., "Organic Chemistry" McGraw-Hill, New York (1987).
- 5. Sykes, P., A "Guide Book to Mechanism in Organic Chemistry" Prentice Hall (1999).
- 6. Younas, M., "Organic Spectroscopy" A. H. Publisher, Lahore (2006).
- 7. Solomons, T. W. G., "Fundamentals of Organic Chemistry" Wiley, New York (1999).
- 8. Kemp, W., "Organic Spectroscopy" Macmillan, London (1990).
- 9. Chughtai, F. A., "Organic Reactions" Majid Book Depot, Lahore/Faisalabad (1995).
- 10. Vogel, A. I., "A Text Book of Practical Organic Chemistry" Prentice Hall (1996).
- 11. Clarke, H. T. and D. Haynes. "A Hand Book of Organic Analysis" Edward Arnold, London (1947).

- 12. Mann, F. G and B. C. Saunders. "Practical Organic Chemistry" Longman, London (1978).
- 13. Shriner, R. L., D.Y. Curtin, R.C. Fuson, and T.C. Morrill, "The Systematic Identification of Organic Compounds" Wiley, New York (1997).
- 14. Rehman, A., "Experimental Organic Chemistry" The Caravan Book House, Lahore
- 15. Morrison R. T. and R.N. Boyd, "Organic Chemistry" Allyn and Bacon, London (1987).

Paper B: Applied Chemistry

40 Marks

It is compulsory to attempt at least TWO questions from each section.

Section-I

1. Introduction to Spectroscopy

Weightage of marks

Electromagnetic radiations (EMR); spectral bands; principle, instrumentation, sample handling and applications of IR & UV/Vis spectroscopy.

2. Nuclear Chemistry

Weightage of marks

Radioactivity; stability of nuclei, nuclear transformation, measurement of nuclear radiation, nuclear reactions, fission and fusion, nuclear reactor, uses of radioisotopes, nuclear hazards and safety measures.

3. Separation Techniques

Weightage of marks

General introduction and applications of solvent-extraction and chromatographic techniques, such as, paper, ion-exchange and column-chromatography.

4. Modern Materials

Weightage of marks

Introduction to liquid crystals, inorganic polymers, ceramics, fiber glass, thin films, semiconductors and composite materials.

Section-II

5. Environmental Chemistry

Weightage of marks Introduction to environment and its segments, Green House effect and global warming; acid rain and its impact on environment. Sources of pollution (soil, air and water), heavy metal pollution in water bodies; toxicity of pollutants.

6. Evaluation of analytical data

Weightage of marks

6

Concepts of mean, mode, median, accuracy & precision; determinate and indeterminate errors, significant figures, rounding off, standard deviation, relative standard deviation. Application of mean, median, mode, rounding off significant figures and standard deviation in chemistry.

7. Chemical Industries

Weightage of marks 6 Metallurgies of Cu, Fe and Al; fertilizers (urea & phosphate); industries (paper and sugar).

Recommended Books

- 1. Voet, D. R and Voet, J. G. "Biochemistry" John Wiley & Sons, NY (2001).
- 2. Kent, J.A. Riegal's "Handbook of Industrial Chemistry" CBS Publishers and Distributors, New Delhi (1997).
- 3. Arnikar, H.J. "Nuclear Chemistry. Krishna Prakashan Media (P) Ltd. (1998).
- 4. Gurdeep R. "Advanced Physical Chemistry", Krishna Prakashan Media (P) Ltd. Delhi (2002).
- 5. Maeder, M. and Neuhold, Y-M. "Practical Data Analysis in Chemistry" Elsevier UK (2007).
- 6. Younas, M., "Organic Spectroscopy" A. H. Publisher, Lahore (2005).

Paper C: Applied Chemistry & Organic Chemistry (Practical-II) Marks: 20 (10+10) Organic Chemistry Marks 10

- 1. Qualitative organic analysis: systematic identification of organic compounds containing groups like COOH and its derivatives, OH, NH₂ and C=O.
- 2. Purification techniques (solvent extraction, distillation and recrystallization etc.)
- 3. Preparation of simple organic compounds (benzoic acid, ethyl benzoate, tribromophenol, aspirin and nitrobenzene).

Recommended Books (Organic Chemistry)

- 1. Vogel, A.I. "A Text Book of Practical Organic Chemistry" Longman, London (2005).
- 2. Shaheen, M. A., Paracha, R. N, Jilani, "Manual of Practical Chemistry" Vol.III, Jilani Notes, Sargodha, (2016).
- 3. Mann, F.G and Saunders B.C. "Practical Organic Chemistry" Longman, London (2007).
- 4. Shriner, R.L., Curtin, D.Y. Fuson, R.C. and Morrill, T.C. "The Systematic Identification of Organic Compounds" Wiley, NY (2003).

Applied Chemistry

Marks 10

- 1. Percentage determination of Ba²⁺ in Ba(NO₃)₂ by gravimetric method.
- 2. Gravimetric determination of Ni²⁺.
- 3. Estimation the glucose content in a sample by titration method.
- 4. Determination of adsorption parameters using Langmuir adsorption isotherm of AcOH on charcoal.
- 5. To determine the wavelength of maximum absorption (λ_{max}) of compounds using spectrophotometer.
- 6. To determine the concentration of Cr³⁺ in water sample by using spectrophotometer.
- 7. To determine the concentration of Mn²⁺ in water sample by using spectrophotometer.

8. To determine the concentration of the sucrose, glucose and dextrose in samples by using polarimeter.

9. To determine the Iodine value of the oil and fat.
10. Identification Al³⁺, Cr³⁺ and Fe³⁺ in samples by TLC.

11. Determine the partition coefficient of I₂ between water and CCl₄.

12. Qualitative analysis of lipids, proteins and carbohydrates.



Associate Degree in Arts / Science Computer Studies-II

Appendix 'A'

(Outlines of Tests)

Paper-A:

Data Base Management Systems

70 Marks

Total Mark: 100

Paper-B:

& System and Network Administration (Written) Practical

30 Marks

Appendix 'B'

(Syllabi and Courses of Reading)

Paper-A:

Data Base Management Systems

& System and Network Administration

70 Marks

Section-I:

Database Management System

35 Marks

Theory:

Introduction to Database Processing: relationship of application programs and the DBMS, file-processing systems, database processing systems, history of database processing. Database Development: database and DBMS, creating a database, components of database applications, database development processes. Entity Relationship modeling. Semantic Object Model. Relational Model and Normalization: relational model, normalization —I to 5th normal forms, domain/key normal form, synthesis of relations, multivalued dependencies, Iteration 2. Database Design Using Entity- Relationship Models: transformation of entity-relationship models into relational database designs. Database Design with Semantic Object Models: transformation of database designs. Database Design with Semantic Object Models: transformation of semantic objects into relational database designs. Database Application Design: characteristics of database applications, form design, report design, application program design. Foundations of Relational Implementation: defining relational data, relational data manipulation. Structured Query Language: querying a single table, querying multiple tables, exists and not exists, changing data. Relational Implementation for Personal Databases: creating the database schema, creating forms, creating reports. Client-Server database systems: client-server architecture, reliability and security, open database connectivity (ODBC) standards, applications of ODBC in client-server systems.

Recommended Books:

- "Data Base Processing", Sixth Edition by David M. Kroenke (1998). 1.
- "Database Systems" by C.M. Ricardo. 2.
- "Fundamental of Database Management Systems", by R. Elmarsi and S.B. Navathe. 3.
- "Fundamental of Database Systems" by C. J. Date 4.

Introduction to Operating Systems: Types of operating systems, operating systems modes. Process Management: process scheduling, process state, scheduling criteria, process supervisor calls. Inter-process Communication and Synchronization: inter process communication, deadlock, deadlock presentation, deadlock avoidance, deadlock detection recovery from deadlock. Memory Management: simple absolute partition, single relocate able partition, multiprogramming, multi partitions, simple paging, simple segmentation. segmentation with paging, page and segment table, swapping, overlaying. Virtual Memory: demand paging, segmentation. File Systems Management: directories and names, types of file systems objects, file system functions, information types, file system architecture. Device Management: hardware I/O organization, software organization, devices. Security: authentication, preventation. detection, correction, identification, threat categories, program threats.

Networking Basic Concepts: line configuration, topologies, transmission modes, categories of network, internetwork. The OSI Model: layered architecture, functions of the layers. TCP IP protocols suite. Transmission Media: twisted-pair, coaxial cable optical fiber:

Recommended Books:

- 1. "Operating Systems" by J.A. Harris (Schaum's outlines) 2002.
- 2. "Data Communications and Networking" by B.A. Forouzan. 2nd edition.

Paper-B: (Practical)

30 Marks

Section-I

15 Marks

- 1. Exploring Access 2000 work place: opening access applications, menus, toll bars other components.
- 2. Designing and creating a database.
- 3. Entering and editing data into tables.
- 4. Designing and using basic forms.
- 5. Integrating Access with other Microsoft Office applications and Internet.
- 6. Establishing Relationships between tables.
- 7. Finding sorting and filtering information.
- 8. Creating basic queries.
- 9. Designing and using basic reports.

- 10. Creating and using data access Pages.
- 11. Creating action queries.nine advanced queries.

Recommended Books:

1. "Microsoft Access 2000: Comprehensive Course" by H.A. Napier & P. J. J. (2001)

Section-II 15 Marks

- 1. Installation of Windows 2000 Professional: Installation from CD, Installation from Network.
- 2. Configuring the Windows 2000 Environment: Control Panel, Management Console. Installing New Hardware.
- 3. Managing the Desktop: Desktop Settings, Accessibility Features, Local Settings.
- 4. Managing Users: Creating Users. Disabling User Account, Deleting User Account. Renaming User, Changing Password. Managing User Properties.
- 5. Managing Groups: Creating Groups, Group Membership, Renaming Group, Deleting Group, Local Group Policies.
- 6. User Profiles and Hardware Profiles: Local User Profiles, Roaming Profiles. Mandatory Profiles, Managing Hardware Profiles.
- 7. Managing Disks: File Systems. File System Conversions. Disk Storage, Disk Management Utilities.
- 8. Files and Printing Management: File and Folder Basic Management, Creating Shares, Share Permissions. Managing Printer Properties. Sharing Printer, Printer Permissions.
- 9. Managing Network Connections: Network Dataflow, OSI Model Layer, Installation and Configuration of Network Adaptor. Installing and Configuring Network Protocols.
- Dialup Networking and Internet Connectivity: Configuring General Modem Properties.
 Running Modem Diagnostics, Configuring Advanced Modem Properties
- 11. Managing System Recovery Functions: Recovery and Backup, Using Backup Utility. Using Restore Wizard.

Recommended Books:

1. "Windows 2000 Professionals Study Guide" by L, Donaisald (2001).

ASSOCIATE DEGREE IN ARTS / SCIENCE ECONOMICS (ELECTIVE)-II

APPENDIX 'A' (Outlines of Test)

PAPER 'II;: Macroeconomics and Economic Development of Pakistan

<u>100</u>

Appendix 'b'

(Syllabi and courses of reading)

NOTE

In Paper "II" six questions will be best from Section-I and four questions from Section-II. The candidates will be required to attempt five questions in all selecting three questions from Section-I and two questions from Section-II.

PAPER-B:

MACRO ECONOMICS AND ECONOMIC DEVELOPMENT OF PAKISTAN

SECTION - I MACRO ECONOMIC:

1. A FRAME – WORK FOR MACRO ECONOMICS

Macro Economics Vs Micro Economics. Macro Economics. Macro Economic Problems: Unemployment, Inflation And Growth.

2. DETERMINATION OF NATIONAL INCOM AND EMPLOYMENT (two sector Economy)

(i) The Classical Theory of Employment:

Say's Law of Market. Aggregate Demand and the Quantity Theory of Money.

Real Wage Function. Classical Macro Economics System, its Diagrammatic representation. Keynesian Critique of the Classical System.

(ii) Keynesian Theory of Income and Employment:

Equilibrium Level of National Income: Saving and Investment Approach; Consumption and Investment Approach. Relation Between Investment and Income. Investment Multiplier. Inflationary and Deflationary Gaps and Full Employment level.

3. DETERMINANTS OF NATIONAL INCOME (Two Sector Economy):

(i) Consumption:

Consumption and Saving Functions. Keynesian Psychological Law of Consumption. Determinants of Consumption. Explanation of the Observed Relationship between consumption and Income Relative Income, Permanent Income and Life Cycle Theories of Consumption.

(ii) Investment:

Investment and Capital, Determinants of Investment. Marginal Efficiency of Capital (MEC) and Marginal Efficiency of Investment (MEI). Optimal Level of Investment. The Principals of Acceleration.

4. GENERAL EQUILIBRIUM IN THE GOODS AND MONEY MARKET:

The Derivation of IS Function in the Goods Market. The Slope and position of IS Curve. The Derivation of LM Function in the - Money Market. The Demand for and Supply of Money. The Interest Rate. The Slope of position of LM Curve. Simultaneous Equilibrium in the goods and Money Market. Adjustments towards Equilibrium.

5. FLUCTUATIONS IN NATIONAL INCOME:

Business Cycles and their main Features.Interaction of Multiplier and Accelerator. Counter-Cyclical Measures.

6. MONETARY INFLUENCE ON INCOME DETERMINATION:

Monetary Policy: Its Nature, Objectives and Instruments. Influence of Monetary Policy on Income Determination (by affecting C+I+G). Money and Inflation, Stagflation.

7. FISCAL POLICY AND INCOME DETERMINATION:

Fiscal Policy: Its Nature, Objectives and Instruments. The Impact of Government Expenditure, Taxes and Transfer Payments in the Equilibrium Level of National Income.

8. INTERNATIONAL TRADE AND INCOME DETERMINATION

Theory of Comparative Advantage. Classical and Hackcher-Ohlin Theory.

Balance of Payments. Disequilibrium and Adjustment Policies. Devaluation and Revaluation. Depreciation and Appreciation of Exchange Rates. Determination of National Income in a Four Sector Economy. The Foreign Trade Multiplier and Changes in the Level of Income.

SECTION - II: ECONOMIC DEVELOPMENT OF PAKISTAN

1.THE CONCEPT AND MEASUREMENT OF ECONOMIC DEVELOPMENT:

Main Features of Developing Economy with Special Reference to Pakistan.

2.AGRICULTURE AND INDUSTRY:

Relative Importance of Agricultural and Industrial Sectors in the Economic Development of Pakistan.

3.ECONOMIC DEVELOPMENT THROUGH PLANNING:

Need and Role of Development Planning. Market Imperfections and Price Distortions. Short Term, Medium Term and Long Term Plans. Formulation of Objective targets and Strategy in Development Planning.

4.ECONOMIC PLANNING IN PAKISTAN:

Planning Machinery in Pakistan. Justification of Economic Planning in Pakistan. Factors Prohibitive in Effective Planning in Pakistan. Main Contours and Critic Evaluation of the Last Five Year Plan (Seventh Five Year Plan) with reference to Strategies, Objectives, Targets and Achievements. Role of Annual Planning in Economic Development.

5. RESOURCE MOBILIZATION FOR PLANNED ECONOMIC DEVELOPMEN IN PAKISTAN:

(i) Financial Resources:

Domestic and Foreign Resources of Pakistan. Extent of Pakistan's Dependence on Foreign Aid and Debt Servicing Problem.

(ii) Human Resources:

Human Resource Mobilization in Pakistan. The Need and Role of Manpower Planning.

NOTE

(i). In paper "A" four questions will be set from Section-I and six questions from Section-II. The candidates will be required to attempt 05 questions in all selecting 03 questions from section-I and 02 questions from section-II. (ii) In Paper "B" six questions will be best from Section-I and four questions from Section-II. The candidates will be required to attempt five questions in all selecting three questions from Section-I and two questions from Section-II.

Recommended books:

(i) Chieng, Alpha C,

(Ii) J.Parry Lewis

(Iii) Ferguson & Gould's

(Vi) Glahe, Fred R.

(V) Prof. Abdul Ghani Chaudhary

(Vi) Dr. Muhammad Hussain Chaudhary

(vii)M. Hanif Aslam

Fundamentals Methods of Mathematical Economics' 3rd Edition.

"An Introduction of Mathematics Theory" And 2nd Edition.

"Microeconomics Theory" 6 Edition.

"Macroeconomics" 2nd Edition.

"Rahber-e-Muashiat"

"Economic Thoery"

"Economic Theory"

ASSOCIATE DEGREE IN ARTS

علم التعليم Education (Elective)-II

(Syllabi and Courses of Reading)

100نمبرز

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- : پردفيسر ۋاكٹر حافظ عبدالخالق (2004) "ايجويشن" وگريبلشر زاردوباز ارلا بور
- 2: متبول احمد (2005)"اساسيات علم التعليم" (B.A.I, II) على كمّاب خانه كبير سرّريث اردوباز اردا بور
 - 3: روفيسرعبدالغفوروفيق " مَنيعُم التعليم" (بي استحصراول ووتم) -خالد بك زيوار دوياز ارلا مور
 - 4: پردفیسرمرزاتی محد (98-1997) (پرچدادل دوئم) مرکزی کتب خاند کیسرسزیث لا مور
 - 5: الس ايم شابد (2000-1999) "علم اتتعليم" (حصداد ل ودم) مجيد بك ويولا بور
- 6: پردفیسرعبدالسلام چوبدری(2002-2001) "رېبرعلم اتعلیم" (حصدادل دوتم) قریشی برادرز پیلشرز اردویاز ارلا بور۔

ENGLISH LITERATURE-II FOR ASSOCIATE DEGREE IN ARTS (ELECTIVE)

Appendix 'A' (Outlines of Tests)

Paper 'II':

Marks

100

Appendix 'B' (Syllabi and Courses of Reading)

Method

William Shakespeare

Glass Meanagerie

Tennessee William

Poetry: (John Milton, William Wordsworth, John Keats, Robert Browning, Robert Frost).

John Milton:

On His Blindness: How Soon Hath Time

Paradise Lost, Book IX, Lines: 896-916

Paradise Lost, Book I, Lines: 1-26 Paradise Lost, Book I. Lines: 105-124

Wordsworth:

To Butter fly

The Sun has long been set

Lines composed a few miles above Tintern Abbey

The Reverie of Poor Susan Resolution and Independence

Sonnet: Composed upon Westminster Abbey Sep, 3, 1802

Sonnet: London 1802

Ode: Intimations of Immortality from Recollection of Early Childhood.

John Keats:

On the Grasshopper and Cricket Ode: Bards of Passion and of Mirtn

Ode: To Autum Sonnet: To Sleep

Sonnet: The Human Seasons

Sonnet: To Fancy Meg Merrilies

Song: In a drear-nighted December

Robert Browning:

'Meeting at Night: Parting at Morning:

"Incident of the French Camp":

My Last Duches:

Prospice: Childe Ronald to the Dark Tower Came.

Robert Fros

"Neither Out Far nor in Deep": "Nothing Gold can Stay: "Bereft"

"The Oven Bird: free at my Window:

"The Trial by Existence" "The Span of Life"

"Acquainted with the Night"

"Fire and Ice"

"The Road Not Taken"

N.B.__ All the prescribed books are for intensive reading.

A compulsory question on explanation of passages with reference to the context from the prescribed books will be set in Paper B.

20

ASSOCIATE DEGREE IN ARTS

Essentials of Home Economics-II

Appendix 'A'

(Outlines of Tests)

Paper-A:

Human Development & Family Studies;

75 Marks

Total Mark: 100

Art & Design and Home Management (Written)

Paper-B:

Practical

25 Marks

Appendix 'B'

(Syllabi and Courses of Reading)

Paper-A:

Human Development & Family Studies and

Art & Design and Home Management

75 Marks

25 Marks

Section-I:

Human Development & Family Studies

1. Developmental Stages & Adjustments

- i. Introduction to human development
- ii. Brief introduction of infancy, childhood, adolescence
- iii. Early adulthood
- iv. Middle adulthood
- v. Late adulthood / Old age

2. Maternal And Child Health

- i. Preparation for parenthood
- ii. Maternal health
- iii. Prenatal care
- iv. Postnatal care

3. Introduction to Family

- i. Definition, objectives and importance
- ii. Function of family
- iii. Family types
- iv. Family life cycle

4. Family Relations

- i. Introduction to family relations.
- ii. Factors affecting family relations.
- iii. Preparation for marriage (husband-wife relations and relations with inlaws).

- iv. Dealing with tensions and conflicts in the family.
- 5. Community Development and the Family
 - i. Definition of community
 - ii. Communities in urban/rural areas.
- iii. Functions of community in family development
- iv. Role of family in the development of community

Section-II: Art & Design

25 Marks

- 1. Importance of Art and Design in Home Economics
- 2. Application of Design in Everyday Life
 - i. Home Designs
 - ii. Apparel designs
- iii. Design in consumer goods
- 3. Principles of Design
 - i. Balance
 - ii. Proportion
 - iii. Emphasis
 - iv. Harmony
 - v. Rhythm
- 4. Elements of Design
 - i. Line
 - ii. Color
- iii. Shape and form
- iv. Texture
- 5. Graphic Designing
 - i. Lettering
 - ii. Labeling

Section-III: Management of Home and Environment

1. Home Management

- i. Scope of management
 - Definition of management
 - Management; importance and process
 - Goals and values; definition and importance

ii. Resources:

- Management of specific resources
- Management of time and energy

iii. Work simplification

- Fatigue
- Layout of work areas and equipment

2. Management of family income

- i. Budgeting
- ii. Saving: importance and methods of saving

3. Decision making

- i. Definition
- ii. Steps of decision making

4. Environmental Management

- i. Definition and importance of environment
- ii. Causes of environmental degradation
- iii. Impact of environment on healthy family living

5. Consumer Education

- i. Definition and Importance
- ii. Consumer behavior
- iii. Rights and responsibilities of consumer (examples from every domain of Home Economics)

6. Flower Arrangement

i. Principles of fresh & dry Power arrangementsTypes of fresh Power arrangements

Paper-B: 1

Practical

Section-I:

Participating in community based intervention and support programs OR Study, evaluate and report any problem of a peer or 3 to 5 year child

Section-II

- i. Color wheel (6 color schemes)
- ii. Study of color and texture in paper collage.
- iii. Application of principle of design in card making (3 cards)
- iv. Designing of label (2 labels)
- v. 3 sample each of Tie n Dye and stenciling.
- vi. Designing with letters on file covers / Cards /Poster (A4 Size)

Section-III

- 1. Flower arrangement (Fresh, Dry)
- 2. A poster depicting environmental hazards and remedies

ASSOCIATE DEGREE IN ARTS

Fine Arts-II

Total Mark: 100

Appendix 'A'

(Outlines of Tests)

Paper-A: History of Western Art (Written)

30 Marks

Paper-B:

Test of Life Drawing (Practical)

20 Marks

Paper-C:

Test of Composition (Practical)

20 Marks

Paper-D:

Exhibition of Work (Practical)

30 Marks *

Appendix 'B'

(Syllabi and Courses of Reading)

Paper-A

History of Western Art

30 Marks

a) Giotto, Massacio, Donatello, Leonardo da Vinci, Michaelangelo

b) Baroque: Rembrandit, Rubens

c) Neo Classicism: David, Ingres

d) Romanticism: Delacroix

e) Realism: Courbet, Millet

f) Impressionism: Manet, Monet, Seurat, Cezanne, Van Gugh

Characteristics of various movements and a general survey of the works of the individual painters be discussed. No individual painting of any painter may be asked for critical appreciation

Paper- B, C &D: Practical

20,20,30 Marks

*Must be certified by the teachers concerned as being the candidates own work with name of the student and the signature of the teacher in ink at a place which can not trimmed out. Work without certification will not be marked.

The details of the exhibition of peers works will be as under:

Drawing 2
Still Life 1

Landscape 1

Portrait 1

Figure Composition 2

Sculpture 1 (round or relief)

ASSOCIATE DEGREE IN ARTS / SCIENCE

Geography-II

Total Mark: 100

Appendix 'A'

(Outlines of Tests)

Paper-A:

Regional Geography (Written)

50 Marks

Paper-B:

Map Work & Practical

50 Marks

The distribution of marks for the Map Work and Practical Examination shall be as follows

- 1. Lab. Work.
- 2. Field Surveying
- 3. Field Report
- 4. Record of Map Work.
- 5. Vive Voce

Examination in Lab. Work, Field Survey and Field Report shall be conducted during the Practical Examination by the same Examiners. -

Note.: A [minimum of sixty practical's of 3 hours each shall be required in two years] (30 practical's each year). Map Work & Practical Examination will spread over two days

Appendix 'B'

(Syllabi and Courses of Reading)

Paper-A: Regional Geography

50 Marks

GEOGRAPHY OF SOUTH ASIA AND PAKISTAN

Study of South Asia with special emphasis on Pakistan order the headings:

a) Resource base:

(Physical, Human and Economic)

- b) Transport,
- c) Trade
- d) International relations.

Recommended Books

1.	BRANDNOCK.R.W. (1992)	Handbook of South Asia London
2.	KURESHY,K .U. (1986)	Geography of Pakistan Lahore Hafeez Press
3.	BRANDNOCK, R.W. (1982)	Agricultural Challenges in South Asia London:
		John Murray

4. JOHNSON, B.L.C (1979)

Pakistan London, Heinemann.

5. SPATE, O.H.K and

India and Pakistan London: Methuen

LEARMONTH, A.T.A. (1986).

Paper-B: Map Work & Practical

50 Marks

- 1. Study of Maps
 - (a) Types of Maps
 - (b) Seals Plain and diagonal
- 2. Methods or representation of relief. Exercises and drawing of composite contour maps with the help of given data and information.
- 3. Interpretation of:
 - (a) Topographical Maps
 - (b) Arial Photographs and introduction to Remote Sensing.
 - (c) Weather maps of Pakistan.
- 4. Map projections: general principles, classification, choice of projection, merits and demerits, construction or graticule by simple graphic methods of the Following projections:
 - (a) Cylindrical-Simple and Equal Area, and Mercator's (with Table).
 - (b) Zenithal-Gnomonic, Stereographic and Orthographic (Polar cases)
 - (c) Conical one and two standard parallels and Bonne's.
- 5. Simple quantitative techniques and their use in geography. Study of frequency Distribution, averages (Mean, median and mode), mean deviation standard deviation and correlation.
- 6. Preparation of distribution craps with the help or Symbols Line bars. Shads, dots, circle.
- 7. Instrumental surveying-Making of plans with the help of chain, plane table and prismatic compass.
- 8. Field report based on the study or geographical aspects of a selected areas/activity.

Recommended Books:

1.	DENT, B.D.	(1993)	Cartography: Thematic Maps design
			Oxford, WCB
2.	BENTON jr. A.R.	(1992)	Elements of Plane Surveying
			New York: McGraw-Hill
3.	CAMPBELL, J.	(1990)	Introduction to Cartography
			Oxford, WCB
4.	BRIGGS, K	(1989)	Practical Geography
			London: Hodder and Stoughton
5.	ROBINSON, A.H.	(1988)	Elements of Geography
			New York, John Wiley
6.	SINGH, R.L.	(1979)	Elements of Practical Geography
			New Delhi, Kalyani Publisher
7.	AHMAD, K.S	(1973)	Map Production
			Lahore Publisher Unit
8.	BYGOTT, J.	(1969)	An Introduction to Map Work and
			Practical Geography
	·		London University Tutorial Press
9.	MONKHOUSE, F.J	(1971)	Maps and Diagrams
	&		(Third Ed.)London. Methuen & Co
	WILKINSON, H.R.	• · · · · · · · · · · · · · · · · · · ·	

ASSOCIATE DEGREE IN ARTS Health & Physical Education-II

Appendix 'A'

(Outlines of Tests)

Paper-A:

Health Education (Written)

75 Marks

Paper-B:

Practical

25 Marks

Appendix 'B'

(Syllabi and Courses of Reading)

Paper-A: Health Education

75 Marks

100

Total Mark:

1. Meaning of Scope of Health Education

- (a) Definition and Scope..
- (b) Importance.
- (c) Relationship with Physical Education.
- (d) Health and longevity

2. Personal Hygiene

- a) Islamic conception about personal Hygiene.
- b) Care of Eyes, Nose, Throat, Teeth, Feet, Fingers, Nails, Arms, Pite. Skin and
- c) tei.
- d) Dress
- e) Effect of the following on human health
- f) Tobacco, Naswar, Sleeping pills. Opium, Morphia, Hashish Heroin. Charas, Alchohol.

3. Community Health

- a) Public Health problems.
- b) Sanitation of home, school and locality.
- c) Symptoms, Causes and prevention of the following communicable diseases:
- d) Influenza, Typhoid, Cholera, Aids.

4. Air

- a) Composition
- b) Circulation.
- c) Pollution.

d) Purification.

5. Human Organism

- a) Anatomy and Physiology of the following systems:
- b) Muscular System.
- c) Respiratory System.
- d) Blood circulatory System.

6. Effects of Exercise on Human Body

- A. Effects of exercise on the following
 - a) Muscular System.
 - b) Blood Circulatory System.
 - c) Respiratory System.
- B. Fatigue and Relaxation.

7. Nutrition

- a) Constituents of food.
- b) Functions of food.
- c) Food Hygiene.
- d) Balanced Diet with special reference to the sources of food available in Pakistan.
- e) Effects of malnutrition of human body.

8. Corrective Physical Education

- a) Posture and its importance.
- b) General deformities (Kyphosis, Lordosis, Scoliosis. Flat foot).
- c) Causes of deformities.
- d) Remedial exercises.

9. Massage

- a) Utility and importance.
- b) Kind of Massage, Aqutes, Mud, Manual.

10. First Aid

Definition and importance.

General principles of First Aid.

Signs, Symptoms and First Aid of Fractures, Dislocation, Sprains, Strains, Cramps, Wounds,

Paper-B: Practical

1	Agilities/stretching/Balancing	
a	Dive Roll	
b	Head Standing	
С	Hand Standing	
d	Standing Board Jump	10
e	Forward Roll	
f	Backward Roll	
g	Spanning	
h	Cart Wheeling	
2	Postural Judgment and Personal Hygiene	
a	Demonstration and Judgment of Correct Sitting,	
	Standing, Walking and Lying posture	
b	Appraisal of Dress, Hairs, Eyes, Skin, Armpits	10
С	Skill in brushing the teeth	
d	Demonstration of Ablution	
3	Viva Voce (Health & Physical Education	
a	Practical Note Book containing Personal Hygiene,	
	Gymnastic, Posture and Movement concepts	
b	Recognition of selection on the	5
	University/Divisional/Provincial/National Teams	
	and Recognition of Social/Community Service	

ASSOCIATE DEGREE IN ARTS HISTORY (ELECTIVE)-II

PREFACE

As a matter of fact 'History' is an accurate (possible) record of past events. It provides the status of phenomenon at given times. It also provides interpretation and evaluation of problems, issues, movements and direct observation as eyewitness and indirect observation through documents, relics and remains. It helps to determine the change, growth and development of human race. It is discovery of characteristics traits, norms, and statutes in different ages.

SYLLABUS FOR HISTORY TWO-YEAR (COURSE)

Scheme of Studies

History Syllabus shall consist of two papers of 100 marks each. Students shall be asked to choose any one of the following four groups. In each paper there shall be one compulsory objective question of multiple choice, bearing 20 marks.

The four groups in ADA History are as under.

1. Islamic History

Paper II: - History of Abbasids (750 AD to 1258 AD) and Muslim Rule in Spain (712 AD to 1492 AD)

OR

History of Modern Muslim World. (1919 AD to 2002 AD)

2. History of Muslims of South Asia

Paper II: - History of Mughals (1526 AD 1857 AD)

3. History of Pakistan

Paper II: - History of Pakistan (1947 AD to 2005 AD)

4. History of Europe

Paper II: - International Relations and Organizations. (1945 AD to 2005 AD)

Detail of Courses

ISLAMIC HISTORY-II

HISTORY OF ABBASIDES (750 to 1258 AD)

and MUSLIM RULE IN SPAIN (712 to 1492 AD)

1. The Abbasid Movement

The Abbasid Movement and causes of its success. Role of Abu Muslim Khurasani; establishment of Abbasid caliphate.

2. Abul Abbas Al Saffah

His character and consolidation of power.

3. Abu Jaffar Al Mansur

Rebellions of Abdullah bin Ali and Abu Muslim Khurasani; Rawindiya sect and the kharjites; Mansur and the Alids; conquests and consolidation of the Caliphate – Administration; foundation of Baghdad. Character and achievements.

4. Al Mehdi

Revolts of Muqannah and Zindiqa; conquests; wars against the Romans; estimate of his character.

5. Al Hadi.

His policy towards Alids; revols; estimates of his character.

6. Harun al Rashid

Rise and fall of the Barmakides, early revolts; wars in Africa, establishment of Idrisia kingdom; war against Romans. His character and achievements.

7. Amin-al-Rashid

Differences with Mamun; war between the two brothers and murder of Amin; estimates of his character.

8. Mamum-al-Rashid

Disorder in Baghdad, entry in Baghdad. Tahiriyya and Zaidiyya kingdoms – Babak Khurrami – conquests in the East, Asia Minor and the Mediterranean. His religious policy – Mutazalite, scientific and literary progress.

9. Muetasim Billah

Turkish soldiery; foundation of Samarra - conquests in Asia Minor; estimate of his character.

10. Wasiq Billah

Aggrandizement of Turks. Turkish soldiery cut to size; new religious policy and its results.

11. Mutawakkil

His state policy and religious Policy; his murder.

12. Later Abbasids

From Mustansir Billah to Muetasim Billah, a brief survey - Fall of Baghdad at the hands of Hulaku Khan.

13. Downfall of Abbasids

Causes of the downfall of the Abbasid caliphate.

14. Abbasid Administration

Central structure and its main functionaries. Provincial administration. sources of income. Army. Judiciary.

15. Literary, Educational and Scientific Developments

Science, art and literature; Bait-ul-Hikmat; medicine, philosophy, ilm-ul-kalam, Ikhwan-us-Safa, astronomy and astrology, mathematics, chemistry, zoology, geography and history; traditions and jurisprudence – poetry, architecture, calligraphy, paintings and music.

16. Societies and Economic Life

Society and Economic life under the Abbasids.

17. Condition of Spain on the eve of the Muslim conquest (political, social and religious conditions.)

18. Conquest of Spain

Musa bin Nusair and Tariq bin Ziyad. The causes of invasion and success.

19. Spain under Muslim Governors

Emergence of christian state of the North.

- 20. Abdul Rehman I His character and achievements.
- 21. Hisham I His internal policy; introduction of Maliki Fiqh.
- 22. Hakam I His character and achievements, relations with theologians, wars and rebellions, rise of Maliki Fiqah.
- 23. <u>Abdul Rehman II</u> His character and achievements, relations with the christians, foreign policy, cultural and literary activities.
- 24. Muhammad I His character and achievements, his relations with Non-Muslims, rebellion in Toledo, rise of Banu Qisi, rebellions of Ibn Marvan and Ibn Hafsun, succession of Munzar and Abdullah.
- 25. <u>Abdul Rehman III</u> Early difficulties, restoration of law and order, internal and external policy, relations with the christians and Fatimids, the title of caliph, his character and achievements.
- 26. Hakam II His relations with North Africa and christians, advancement of art and literature.
- 27. Hisham II (Hisham Almoeed) His character and achievements.
- 28. Later Umayyads, the rise of Hajib-al-Mansur; relations with the courtiers and Theologians, Jihad against the christians, his character and achievements.
- 29. Administration of Spain under the Umayyads.
- Petty dynasties.

- 31. Decline and fall of Umayyads of Spain: causes, Almoravids, Almohads.
- 32. Fall of Granada (1492).
- 33. Contribution of arts, architecture, literature and science.

Suggested Readings:

- 1) Sir T.W. Arnold, The Caliphate.
- 2) Amir Hussain Siddiqui, Islamic State; A Historical Survey.
- 3) Fayyaz Mahmood, History of Islam.
- 4) Syed Amir Ali, London, The Short History of Saracens.
- 5) Syed Amir Ali, London, The Spirit of Islam.
- 6) S.A.Q. Hussani, Arab Administration.
- 7) Mazaral-ul-Haq, History of Islam.
- 8) Dr. Imam-ud-Din, Dacca, 1959, Political History of Muslim Spain.
- 9) Dr. Imam-ud-Din, A Cultural History of Spain.
- 10) Dozy, R., Spanish Islam.
- 11) Stanley lane Pole, The Moors in Spain, Lahore 1953.
- 12) T.B. Irving: The Falcons of Spain.

Paper-II

ISLAMIC HISTORY

HISTORY OF MODERN MUSLIM WORLD

(1919 to 2002 AD)

A brief introduction of modern Muslim world with special reference to the impacts of colonialism. Special study of Iran and Arab world.

1. IRAN: land and people

General introduction with historical background.

World War-I and its effects on Iran.

Rise and reforms of Raza Shah Kalalin.

World War-II and Iran.

Abdication of Raza Shah kalin.

Rise of Movements.

Raza Shah's rules.

Iran's role in Muslim world.

Revolution - Revolutionary regime.

Pakistan Iran relations.

2. Saudi Arabia

Husein's rule in Hijaz; Ibn Saud, forming of Saudi Arabia into kingdom, discovery of oil and its impact upon the socio-political and economic life of the society 2nd World War and aftermath. King Saud, its internal and external polices. King Faisal internal reforms, foreign Policy, King Khalid rule. King Fahad rule.

3. Iraq Under Mandatory Power: 1920 to 1930 AD

King Faisal; internal problems, Anglo—Iraqi Treaty, Politics in 1930s, Iraq during World War second, domestic politics in 1950, the Baghdad pact, The revolution of 1958 and its aftermath, the First Baath Revolution, The era of Arif, the Second Baath Revolution, Iraq under Sadam Husein. American intervention and Fall of Sadam Husein.

4. Syria

Under rench Mandate, partition of Syria into Lebanon and Syria, Franco—Syrian Treaty 1936. Syria during World War 2nd, the Husenei Zaim Revolution, the Hinawi and the Shiskali coups, Return to constitutional life, UAR, After the dissolution of Union, Baath party rule, The Leadership of Hafiz Assad.

5. Lebnan

Under French Mandate, Franco—Lebnon treaty, 1936 Lebnon's Liberation and (World war II), The coup of 1952 and its aftermath, The Lebanese civil war, The Presidencies of Faud Chechab and Suleiman Franjiyeh, Lebanon 1976 to 1985.

6. Palestine

Land, people, balfoure declaration, British mandate, partition of the Palestine, creation of Isreal, 1948 Arab-Isreal War, 1967 and 1973 Arab—Isreal wars, Palestinian problems and UNO.

7. Egypt

Under British protectorate, under monarchy, Saad Zaghlul & Wafd party; Anglo Egyptian treaty of 1936; Nahas Pasha & Wafd party; Egypt during second world war, the 1952 coup, General Naguib, President Nasser. Suez crises, Pan—Arabism and UAR After the dissolution of UAR, Arab; Isreal wars of 1967 & 1973 & Egypt, Sadat's rule, Camp David agreement, Ikhwan-ul-Muslimin. Hosni Mobarik's rule.

Recommended Books:

1)	Hurewitz, J.C.,	Soviet American Rivalry in the Middle East New York, 1969.
2)	,	The Middle East Politics: The Military Dimeses
		New York, 1969.
3)	,	Diplomacy in the Near and Middle East:
		A Documentary Record, Princetion, 1956, 2 Vol.

- 4) Al-Marayati, Aloid A & Others, The Middle East: Its Governments & Politics, Belmont, 1972.
- 5) Rubinsten, Alvin Z., Red Star on the Nile: The Soviet Egyptian relationship since the June war, Princton, 1977.
- 6) Hitti, P.K., Near East in History.
- 7) Harari, Maurice, Governments & Politics of the Middle East.
- 8) Neguib, Muhammad, Eqypt's Destiny: A personal statement, New York,1955.
- 9) El—Sadat, Anwer, Revolt on the Nile, London, 1957.
- 10), In Search of Identity: An Autobiography, New York, 1978.
- 11) Abdullah, King of Jordan, My Memoirs, tran, by Harlod W.G.London,1978.
- 12) Armajani, Yahya, Middle East: Past and Present, New Jersy, 1980.
- 13) Sharabi, H.B., Government & Politics of Middle East in the 20th Century New Jersy, 1962.
- 14) Lenczowski, George, The Middle East in the World Affairs, New York, 1988.

HISTORY OF MUSLIM RULE IN SOUTH ASIA PAPER- II

HISTORY OF MUGHALS

(1526 to 1857 AD)

1. South Asia at the advent of Mughals

Socio-political conditions of South Asia at the eve of Mughal invasion; causes of the advent.

2. Zahir-ud-Din Muhammad Babar

His early life; invasion on South Asia, first battle of Panipat, foundation of Mughal rule, defeat of Rajput; His character and personality as a literary man, as a statesman and as a general.

3. Naseer-ud-Din Muhammad Humayun

His early life, capture of throne and conquests, his reforms; administration and public works. His achievements as ruler.

4. Sher Shah Suri and the establishment of Sur Dynasty

His early life, capture of throne and conquests, his reforms; administration and public works. His achievements as a ruler; successors of Sher shah and the end of Suri Dynasty.

5. Jalaluddin Muhammad Akbar

His early life, accession to throne, second battle of Panipat; Bairam khan and his downfall; petticoat government; conquests in the north and the Rajput policy; penetration in the south and Deccan policy; religious trends and his religious policy; Din-e-Elahi, administration, mansabdari system; his land revenue system. His character and achievements.

6. Nuruddin Muhammad Jahangir

His accession; Khusru's revolt; conquests in the North and South. Noor Jehan and her marriage with Jahangir; her ascendancy; Qandhar question; revolts of prince Khurram and Mahabat Khan. His character and personality estimates. Patronage towards painting.

7. Shahabuddin Muhammad Shah Jehan

His early life, marriage with Mumtaz Mahal, his accession to throne, golden period of the Mughal Rule. His central Asian Policy; Deccan Policy. War of succession between his sons; causes of the success of Aurangzeb and the failure of Dara Shikoh. His character and achievements as an architect king.

8. Mohiyuddin Muhammad Aurangzeb Alamgir

His early life, accession and theory of kingship; his military expeditions, Rajput Policy, Deccan policy, his policy towards Marhatas and Sikhs, his religious policy. His character and achievements.

9. Period of Decadence: Later Mughals

Causes of the decline of the Mughal Empire, Rise of Europen powers in India, invasion of Nadir Shah of Iran and Ahmad Shah Abdali of Afghanistan.

10. Growth of Independent Principalities

Punjab, Bengal, Ouadh, Deccan, and Mysore.

11. Socio-Cultural and Economic Condition Under the Mughals

Contributions in the field of art, architecture and literature; society; commerce; industry; and economic developments.

12. Religious Movements

"Mahdevi" movement; Muslim Tasawwuf, Qadria and Naqshbanddia order; Hazrat Mujaddid Alf-i-Sani and his services towards revival of Islam. Shah Walaullah and his contributions. Faraizi Movement. Tehrik-e-Mujahidin.

13. Rise and expansion of English East India Company—war of independence 1857.

Suggested Readings:

- 1. S.M. Ikram, History of Muslim Civilization in India and Pakistan.
- S.M. Ikram, History of Muslim Rule in India.
- 3. Syed Abdul Qadir, History of Indo-Pak.
- 4. Prof. Zubair, History of Indo-Pak.
- 5. I.H. Qureshi, The Administration of Mughal Empire.
- 6. Sir Wolseley Haig, The Cambridge History of India.
- 7. I.H. Qureshi, The Muslim Community of the Indo-Pakistan sub-continent.
- I.H. Qureshi, A short history of Pakistan, Vol. III.
- 9. Sh. Rashid, "later Muslims".
- 10. Islam R. "Sufism in South Asia" 2002, OUP, Karachi.

HISTORY OF PAKISTAN

Paper- II

1947 to 2005 AD

1. **Early Period**

Introduction and background of Pakistan. Early difficulties and problems with especial emphasis on Kashmir issue and Canal Water Dispute. Quaid-I-Azam as first Governor General.

Political and Constitutional Development Formative Phase (1947-58) 2.

The Objective Resolution 1949, Basic Principles committee's report Muhammad Ali Bogra's formula. Dissolution of the first constituent assembly, formation of one unit; constitution of 1956; its main features.

3. Military Rule:(1958-1971)

The Basic democracy, the constitution of 1962; its working and failure.

Ayub khan's Regime; growth of Industrialization, agricultural reforms Indo-Pakistan War 1965.

Yahya Khan's regime; his Legal Frame Work Order, general elections of 1970, Awami Leagues six points programme, the political crises, Indo-Pakistan War 1971, causes for the separation of East Pakistan, fall of Dhaka.

4. Revival of Democracy in Pakistan(1972-77)

Z.A. Bhutto's regime; policies, reforms 1973 constitution and its first seven Amendments.

Failure of parliamentary democracy in Pakistan, circumstances leading to the impostion of Martial Law in 1977.

5. **Military Rule: (1977-88)**

Zia-ul-Haq's policies and efforts at the Islamization of laws. Restoration of parliamentary system, referendum, elections of 1985. RCO and the 8th Amendment, Junejo's ministry, dissolution of the assembly.

Restoration of Democratic Governments 6.

Constitutional amendments.

The functioning of democratic governments and their failure. Pakistan in 21 century, its political and economic problems, and its role in world politics.

7. **Political Parties**

Pakistan Muslim League, Awami League, Jamat-i-Islami, Jamiat-ul-Islam, Jamiat-ul-Ulema-e-Pakistan, National Awami Party; Pakistan Peoples Party.

8. **Vested Interest Groups**

Feudals; sectarian parties, military and civil bureaucracy, ethnicity.

9. **Economic Development**

Land reforms, industrial development, nationalization de-nationalization and privatization.

10.

Basic principles of Pakistan's foreign policy.

Relations with immediate neighbors: India, Afghanistan, Iran, China and Central Asia.

Relations with Muslim world: Saudi Arabia, Turkey, Iraq and Indonesia, Malaysia.

Relations with super powers: U.S.A., Russia,

Defense pacts: SEATO, CENTO, Economic pacts: RCD, ECO, SAARC, OIC.

Relations with the European Union.

Pakistan's Stand on war against terrorism.

Human Rights in Pakistan 11.

Human Rights, gender issue, child labour, minorities.

Suggested Readings:

- 1. I.H. Qureshi, A Short History of Pakistan.
- 2. Khalid bin Saeed, The Political System of Pakistan.
- 3. G.W. Chaudhry, Constitutional Development in Pakistan.
- 4. Inayatullah, Economic Problems of Pakistan.
- 5. S.M. Burke, Foreign Policy of Pakistan.
- 6. Safdar Mahmood, Pakistan: History and Politics.
- 7. Ayub Khan, Friends not Masters.
- 8. Rafiq Afzal, Political Parties in Pakistan.
- 9. Hasan Askari, Military & Politics in Pakistan.
- 10. Lawrence Ziring, Pakistan in the 20th Century.
- 11. Stanly worlpert, Zulfi Bhutto of Pakistan.
- 12. Jalal, Ayesha "The Sole Spokesman."
- 13. "Sovereignty and the Self".
- 14. Ziring, L. "Ayub Khan Era"
- 15. Ali, Shaukat "Pakistan-A Religion—Political History".

HISTORY OF EUROPE

PAPER-II

International Relations and Organizations 1945 to 2005 AD

1. International Organizations:-

United Nations organisation

- a) Aims, objectives and Principles of U.N.O.
- b) The work of the U.N.O.
- c) An estimate of U.N.O.

2. Post World War II Diplomacy:-

- I. Super power relations and the Cold war.
- II. The Truman doctrine.
- III. The Marshal plan.
- IV. Korean war.
- V. Vietnam war.
- VI. Middle East crises: Israel, Palestine and Suez.

3. International Treaties

- I. NATO
- II. WARSAW
- III. CENTO
- IV. SEATO
- V. RCD
- VI. ARAB LEAGUE
- VII. OIC
- VIII. SAARC

4. The Third World

- I. The emergence of China as a world power in international politics.
- II. Latin America and Southern Africa in world affairs.
- III. Far East, China and Japan in world affairs.
- IV. South Asia in world affairs.

5. The Foreign Policies of the Great Power

- I. The nature of the foreign relations among the United States, Soviet Union, Britain, France and China.
- II. The problems of the Muslim world.
- III. The 1973 Vietnam cease fire agreements.
- IV. Russian intervention in Afghanistan.
- V. Down fall of Soviet Union.
- VI. Globalization and its impact.
- VII. War against Iraq and Afghanistan.

Recommended Books:

2)

1) Morgenthau, Hans J.,

Mclellan, David S.,

- Politics Among Nations, New York:
- Knpf 1963 (or latest ed.)
- The Cold War in Transition. New York,

Macmillan, 1966.

Macridis, Roy C.,
 Palmer, Norman D. & Perkins, Harward.,
 Crowley, D.W.
 Leonard, L.L.
 Northedge, F.S.
 John, Spainier,

10) Thomson, Jah.

Foreign Policy in World politics,
Englewoud Cliffs, N.J. Printice Hall, 1972.
International Relations London:
Stevens, 1963 (or Latest ed.).
The Background to current affairs,
Ferozesons, Lahore.
International Organization, New York, 1951.
Descent from power British Foreign policy,
London, 1974.
The Foreign policies of the power,
New York: Praceger, 1968.
American policy since world War II,
New York, 1973.
The Rise of Modern Asia.

International Relations-II as Elective Subject at Associate Degree in Arts

International Relations shall be offered as an elective subject of 200 marks in ADA examinations. It shall be comprised of two papers each of 100 marks. Following are the out-lines/contents of this course along with the core and the suggested books:

Diplomatic History of International Relations (1815-1945)

CONTENTS:

- 1. Congress of Vienna, 1815.
- 2. Second French War.
- 3. Franco-Prussian Wars.
- 4. Austro-Prussian War.
- Unification of Italy.
- 6. Unification of Germany.
- 7. Emergence of Balance of Power in Europe.
- 8. The Age of Secret Diplomacy.
- 9. Russo-Japanese War, 1904.
- 10 First World War, Causes and Consequences.
- 11. Treaty of Versailles and the Emergence of League of Nations.
- 12. Economic Depression of 1930's.
- 13. Advent of Mussolini and Hitler and Their Impacts on World Politics.
- 14. New Game of Balance of Power.
- 15. Beginning of Second World War and its outcome.
- 16. The United Nations: Nature, Functions and the Future Prospects.

REQUIRED TEXT.

- Anderson, M.S., <u>The Ascendancy of Europe. 1815-1914.</u> London: Longman, 1972.
- Carrie, R. Albrecht, A Diplomatic History of Europe: Since the Congress of Vienna. London, Methuen, 1955.
- 3. Thompson, D., <u>Europe Since Napoleon</u>. (2nd revised ed.) New YORK: Knopf 1962.

FURTHER SUGESTED READINGS:

- 1. Taylor, A.J.P., The Struggle for Mastery in Europe, 1848-1914. Oxford: Claredon Press, 1954.
- Grant, A. J. & <u>Europe in the Nineteen and Twentieth Centuries</u>, <u>1786-1950</u>. Temperely, H., London: Longman, 1961.
- 3. Leeds, C.A., European History, 1789-1914. (2nd ed.), Plymouth Macdonald, 1979.
- 4. Ross, Graham, <u>The Great Powers and Decline of the State System 1914-1940.</u> London: Croom Helm, 1983.
- 5. Langer, W.L., European Alliances and Alignments. 1871-1914 New York: Prince-Hall, 1950.
- 6. Little Field, Henry W., History of Europe Since 1815. New York: Praeger, 1963.

ASSOCIATE DEGREE IN ARTS

اسلامیات اختیاری-۱۱

	10 نمبر		تعارف مدیث (دویش ہے ایک موال حل کرناہے)	-1
	20 نمبر	14 = 2x7 ج	عدیث کا ترجمہ وتشر ^س (چاریس سے دو <i>مل کری</i> ں)	-2
		تر <i>تا</i> 2x3 و 06		
	10 نبر	•	تعارف فقه (دومیں سے ایک سوال حل کرناہے)	_3
	10 نمبر	7. = 1x7 مر7 = 07	فقد کے نصاب میں سے ترجمہ وتشری (دویش سے ایک حل کریں۔)	_4
		تر 73 = 1x3 تر		
10 نمبر			فقد کے باب کا خلاصہ (رومیں سے ایک مل کریں۔)	_5
	15 نمبر		میرت طیبه (دویس سے ایک موال حل کریں)	-6
	15 نبر		تاریخ بنوامیہ بنوعباس (دویش ہے ایک سوال حل کریں)	-7
	10 نمبر		سلىبىس بىل سے معروضى سوال -	-8
	100 نمبر	کل نبر		

ضميرب (نصاب كي تفسيل) حديث شريف فقه سيرة النبي عَلِيقَةٍ وتاريخُ اسلام

1 تعارف مديث

جیت حدیث: (منکرین حدیث کے اعتراضات کامختر جائزہ)

حفاظت حديث: عهد نبوى عبد صحابه كرام اورعبدتا بعين _ (تمام ادوار ريفي صرف ايك جامع سوال بن يو چها جائ كا)

2۔ تعارف فقہ

مندرجه ذيل عنوان:

ما خذشريت: (كتاب سنت اجماع - قياس) تمام ما خذري في صرف ايك جامع موال بن إوجها جائكا -

عفرحاضرين اجتهادكي ضرورت واجميت

3- مطالعمديث-

عن ابن عمر لاحسد الا في الثنتين رجل اتاه الله القرآن فهو يقوم به اناء الليل و اناء النهار و رجل اتاه الله مالا فهو ينقق منه اناء الليل وا ناء النهار. (رواه التحاري ملم) عن انس قال فال رسول الله صلى الله عليه و سلم ثلث من كن فيه و جد حلاوة الايمان ان يكون الله و رسوله احب اليه مما سواهما و ان يحب المرء لا يحبه الالله و ان يكره ان يعود في الكفر كما يكره ان يفذف في النار.(رواه التحاري) وملم)

عن صفوان بن سليم انه قيل لرسول الله صلى الله عليه و سلم ايكون المومن جباماً قال نعم فقيل له ايكون المومن بخيلا قال نعم فقيل له ايكون المومن كذابا فكال لا (رواه البهيقي في شعب الايان مرملا)

عن ابى هريره ان رسول الله صلى الله عليه وسلم قال لايزنى الزانى حين يزنى و هو مومن ولا يسرق السارق حين يسرق و هو مومن ولايشرب الخمر حين يشربها و هو مومن ولا ينتهب نهبة يرفع الناس اليه فيها ابصارهم حين ينتهبها و هو مومن ولايغل احدكم حين يغل و هو مومن فاياكم اياكم. (رواه ايخاري ممم) عن عبدالله بن عمر قال رجل يانبى الله من اكيس الناس و احزم الناس قال اكثرهم ذكر للموت اكثرهم استعداد اولئك الاكياس ذهبو بشرف الدنيا وكرامة الاخرة.

عن عمر وبن عوف قال قال رسول الله صلى الله عليه و سلم فوالله مالفقر اخشر عليكم ولكن اخشى عليكم ان تبسط عليكم الدنيا كما بسطت على من كان قبلكم

خسماً فقال اتق المحارم تكن اعبد الناس وارض بما قسم الله لك تكن اغنى الناس و احسن الى جارك تكن مومناً و احب للناس ماتحب لنقسك تكن مسلماً ولاتكثر الضحك فان كثرة الضحك تميت القلب_____ (رواه اتروالي المراضل عن حديقة قال قال منا الله على الله عليه وسلم لا تكونو امعة تقولون الدروالي السناس المتعدد و

عس حديقة قال قال رسول الله صلى الله عليه وسلم لا تكونو امعة تقولون ان احسن الناس احسناو ان ظلموا ظلمنا ولكن وطنوا انقسكم ان احسن الناس ان تحسنو و ان اساءفلا تظلموا

عن ابن عمر قال صعد رسول الله صلى الله عليه و سلم المنبر فنادى بصوت رفيع يا معشر من اسلم بلسانه و لم يفضى الايمان الى قلبه لا توذو المسلمين ولاتعيروهم ولا تتبعوا عوراتهم فانه من يتبع عورة اخيه المسلم يتبع الله عورته و من يتبع الله عورته يفضحه و لو فى جوف رحله____ (رووالرّدَى) عن سهل بن سعد قال قال رسول الله صلى الله عليه وسلم من يضمن لى مابين لحييه و مابين رجليه اضمن له الجنة ____ (رواوالخارى)

عن ابن عمر قال قال رسول الله صلى الله عليه وسلم لاتكثر الكلام بغير ذكر الله قان كثرة الكلام بغير ذكر الله قسوة للقلب و ان ابعد الناس من الله القلب القاسى-عن سلمان قال قال رسول الله صلى الله وسلم ان ربكم حيى كريم يستحى من عبده اذا رفع يديه ان يردهما صفراً _____(رواه الرقي والإداؤد)

عن عبدالله بن عمرقال نهى رسول الله صلى الله عليه وسلم عن بيع الثمار حتى يبدو صلاحها نهى البائع و المشترى ___ (رواه التحاري وسلم)

وفي رواية لمسلم نهى عن بيع النخل حتى تزهو وعن السنبل حتى يبيض ويامن العاهة ونهى البائع والمشترى

عن ابى هريره ان رسول الله صلى الله عليه وسلم مر على صبرة طعام فادخل يده فيها فنالت اصابعه بللا فقال ماهذا يا صاحب الطعام؟ فقال اصابته السماءيا رسول الله! قال افلا جعلته فوق الطعام حتى يراه الناس من غش فليس منا__(روام ملم)

عن واثلة بن الاسقع قال سمعت رسول الله صلى الله وسلم يقول من باع عيباً ولم يبينه لم يزل في مقت الله ولم تزل الملئكة تلعنه (رواوا بن اج)

عن على قال نهى رسول الله صلى الله عليه وسلم عن بيع المضطر و بيع الغرر و عن بيع التمرة قبل أن تدرك ... (رواه الدواؤر)

عن ابى سعيد قال قال رسول الله صلى الله عليه وسلم التاجر الصدوق الامين مع النبيين والشهداء. (رواه التر ترى والدارى والدار قطي وابن لجر)

عن ابى هريرة ان رسول الله صلى الله عليه وسلم قال لا تلقو الركبان لبيع ولابيع بعضكم على بيع بعض ولاتناجشوا ولايبع حاضر لبادو لاتصروالابل والغنم فمنابتا عها بعد ذالك فهو بخير النظرين بعدان يحلبها ان رضيها امسكها و ان سخطها ردها كو وصاعاً من شرر (راه الخاري، ملم).

عن عمر عن النبي صلى الله عليه وسلم قال الجالب مرزوق و المحتكر ملعون. (الانجرارال)

عن ابي هريره ان الله عزوجل يقول انا ثالث الشريكين مالم يخن احدهما صاحبة فاذا خانه خرجت من بينهم. (الاداؤد)

عن عبدالله ابن عمر قال قال رسول الله صلى الله عليه وسلم من اخذ من الارض شيئا بغير حقه خسف به يوم القيامة الى سبع ارضين

عن ابى هريره قال قال رسول الله صلى الله عليه وسلم مامن مسلم يغرس غرساً او يزرع زرعاً فياكل منه طيراً او انسان او بهيمة الاكان له به صدقة__ (رواه الخاري)و

عن ابي سعيد قال قال رسول المله صلى المله عليه وسلم افضل الجهاد من قال كلمة حق عند سلطان جابر . (رواه الر مذكروايروا وواين اجر)

عن ابن عمر قال قال رسول الله صلى الله عليه وسلم السمع و الطاعة على المرء المسلم فيما احب وكره مالم يومر بمعصية فاذا امر بمعصية فلا سمع ولاطاعة. عن خريم ابن فاتك قال صلى رسول الله عليه و سلم صلوة الصبح فلما انصرف قام قائما فقال عدلت شهادة الزور بالاشراك بالله ثلث مرات ثم قرا فاجتنبوا الرجس من الاوثان واجتنبو قول الزور حنفاء لله غير مشركين به.

وعن ابى هريرة قال: قال رسول الله الله صلى الله عليه وسلم: للمومن على المومن ست خصال: يعوده اذا مرض ويشهده اذا مات و يجيبه اذا دعاه ويسلم عليه اذا لقيه ويشمته اذا عطس وينصح له اذا عاب اوشهد

و عنه قال: قال رسول الله صلى الله عليه وسلم: لا تدخلون الجنة حتى تومنوا ولا تومنوا حتى تحابوا اولا ادلكم على شىء اذا فعلتموه تحاببتم؟ افشو السلام بينكم. و عن عبدالله بن مسعود قال: قال رسول الله صلى الله عليه وسلم "عليكم بالصدق فان الصدق يهدى الى البر و ان البريهدى الى الجنة و ما يزال الرجل يصدق و يتحرى الصدق حتى يكتب عند الله صديقاً و إياكم والكذب فان الكذب يهدى الى الفجور و ان الفجور يهدى الى النار و ما يزال الرجل يكذب و يتحرى الكذب حتى

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يكتب عبدالله كذاباً وفي رواية المسلم قال: ان الصدق بروان البريهدي الى الجنة و ان الكذب فجور و ان الفجوريهدي الى النار
                                        وعن ام كلثوم قالت: قال رسول الله صلى الله عليه وسلم ليس الكذاب الذي يصلح بين الناس ويقول خيراً وينمي خيراً:
وعن المغيرة قال رسول الله صلى الله عليه وسلم: ان الله حرم عليكم عفوق الامهات وواد البنات ومنعا وهات وكره لكم قيل وقال وكثرة السوال واضاعة
عن النعمان بن بشير قال: قال رسول الله صلى الله عليه وسلم: ترى المومنين في تراحمهم و توادهم و تعاطفهم كمثل الجسد اذا اشتكي عضوا تداعي له سانر
                                                                                                                                   الجسدبالسهر والحمي
وعن ابي هريره وقال: قال رسول الله صلى الله عليه وسلم: اياكم و الظن فان الظن أكذب المحديث ولا تحسسو ولا تجسسوا ولاتناحشوا ولا تحاسدوا ولا تباغضو ولا
                                                                                                                              تدابرو وكونو عبادالله اخوانا.
                                                            وعن عبدالله بن عمر وقال: قال رسول الله صلى الله عليه وسلم: "ان من احبكم الى احسنكم اخلاقاً.
                                      عن ابي هريره قال: قال رسول الله صلى الله عليه وسلم: ليس الشديد بالصرعة انما الشديد الذي يملك نفسه عند الغضب.
                           وعنه قال: قال رسول الله صلى الله عليه وسلم: يقول الله تعالى: الكبريا ردائي و العظمة اذارى: فمن ناز عني واحدمنها ادخلته النار".
عن ابى هريره أن رسول الله صلى الله عليه وسلم قال: اتدرون ماالمفلس؟ "قالوا: المفلس فينامن لادرهم له ولامتاع له فقال: ان المفلس من امتى من ياتى يوم
 القيامة بمملاة وصيام وزكاة وياتي قدشتم هذا وقذف هذا واكل مال هذا وسفك دم هذا وضرب هذا فيعطى هذا أمن حسناته وهذا من حسناته فان فنيت حسناته
                                                                                     قبل ان يقضى ما عليه اخذ من خطاياهم فطرحت عليه ثم طرح في الناس"
                                          وعن انس وقال: قال رسول الله صلى الله عليه وسلم "من احب ان يبسطله في رزقه اورينساله في انره فليصل رحمه"
                               وعن عمر قال: قال رسول الله صلى الله عليه وسلم "لاتطروني كما اطرت النصاري بن مريم فانما انا عبده فتولوا عبدالله ورسوله
 عين ابي سعيدقال قال رسول الله صلى الله عليه وسلم إيما مسلم كسا مسلماً ثوباً على عرى كساه الله من خضر الجنة و ايما مسلم اطعم مسلما على جوع اطعمه
                                                              الله من ثمار الجنة و ايما مسلم سقا مسلما على ظماء سقاه الله من الرحيق المختوم (واور ـــ تنرنر)
عن ابن عمر ان رسول الله صلى الله عليه وسلم قال المسلم اخوا المسلم لايظلمه ولايسلمه و من كان في حاجة اخيه كان الله في حاجته و من فرج عن مسلم كربة
                                                                   فرج الله عنه كربة من كرب يوم القيامة و من ستر مسلماً ستره الله يوما القيامة _ ( يخارى ملم)
                                            عن ابي هريره عن النبي ﷺ قال مانقصت صدقة من مال و ما زاد الله عبدا بعفو الاعزا وما تواضع احد لله الا رفعه الله
                                                                                         قدوری کی کتاب الصلوٰۃ میں سے متن کا ترجمہ وتشرح اور پاپ کے خلاصہ پرینی سوالات یو چھے جا ئیں گے۔
                                                                                                          قدوری کی کتاب الصلوة میں سے مندرجہ ذیل ابواب خارج کردیے گئے ہیں۔
                                                                                                باب صلوة الكسوف والخنوف باب صلوة الاستنقاء معلوة في الكجد باب قيام تحررمضان _
                                                                                                                         سيرت النبي وتاريخ اسلام
                                                                                                      نی اکرم علی کے خصائص وامتیازات:
                                                                                                                                               تاریخ اسلام
                                                                                                                  مىلمانول كے عروج كے اسباب واثرات
                                                                                                                                                        _1
                                                                                                                  ملمانول كے زوال كے اسباب واثرات
                                                                                                   دور بنوعباس اور ہسیانوی مسلمانوں کے رفابی وفلاحی کارناہے۔
                                                                                                                                                        _2
                                                 طب طبیعات کیمیا کریاضی فلکیات میں سلمانوں کے کارنا ہے ان تمام شعبوں پرمخی صرف ایک جامع سوال ہی پوچھاجا ہے گا۔ الگ الگ شعبہ جات نہیں پو چھے جا کیں محم
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صحافت اختياري- اا (Journalism Elective-II)

ASSOCIATE DEGREE IN ARTS صحافت كاماضي اورحال 100 نمبر طباعت واشاعت د نیامین طباعت واشاعت کی مختصر تاریخ (الف) خبرنوليي كاآغاز اورارتقاء (ب) امريكه وبرطانيك ابتدائي اخبارات كاجائزه (5) برصغير ميل طياعت اورخبرنو ليي كاآغاز **(**₂**)** برصغيري صحافت _ آزادي _ قبل _2 برصفير كےابتدائی انگريزي اورار دواخبارات (الف) ۱۸۵۷ء کی جنگ آزادی میں صحافت کا کردار (J) سرسيداحه خال كي صحافت (5) محمعلی جو ہر کی صحافت (,) ظفرعلى خال كي صحافت (U) تحريك ياكشان مين مسلماخيارات كاكروا صحافت ما كستان ميں یا کستانی صحافت کے فنی ارتقاء کا حائزہ (الف) نمامان قوی روز ناہے۔۔۔۔فنی اورمعنوی معیار کا جائز ہ (L) نمایاں قوی مفت روز ہے۔۔۔۔فنی اورمعنوی معار کا جائز ہ نمایاں قومی ماہنا ہے۔ڈائجسٹ اور تخصیص یا فتہ رسائل کا جائز ہ (,) ما کستان اخبارات کاتر قی مافته مما لک محما لک کے اخبارات ہے موازنہ (7) آ زادی صحافت قوانین اور حکومتی روبیه آ زادي صحافت كاتصوراورا بميت (الف) سيفتى ايكث اوردينس آف ياكتان رولز كينمايال ببلو (**_**) بريس اينڈ پبلي كيشنز آرڈى نينس ١٩٦٣ء كے نماياں پبلو (5) رجرين آف برينگ بريس ايند يلي كيشنز آردي ننس ١٩٨٨ء (,) صحافت يرمختلف اتسام كے دباؤ (7) اشتهارات ساسی و مذہبی گروہ شعبه بإئ تعلقات عامه نيوز يرنث اوردوسري سبولتون كافقدان حكومت اورصحافت _____ تعلقات اوركشكش (v) صحافت كيلي ضابطه اخلاق كي ضرورت ضالطهاخلاق كيضرورت اوراجميت (الف) پاکتان میں ضابط اخلاق کی تیاری اور اس پر عملدر آمد کی کوششیں (ب) هاري مطبوعه اوراليكثرا تك صحافت كاموجوده روبيه ورصحافتي اخلاق (5) مطبوعه صحافت اوراليكثرا نك صحافت كاموازنه _6 اخبارات ورسائل، ريْد يواور تبلي ويژن كى بطور ذريد ابلاغ عام ايميت كا تقابلي جائز و (الف) مقابله ومسابقت اوران میں ہونے والی ترقی وتید ملی (ب)

قوى ضرورتين اورتقا خے اوراخيارات ورسائل، ريديو اور شلي ويژن كاكر دار (5)

صحافت برصغيرياك و مهندمين، دُاكْمُ عبدالسلام خورشيد تاريخ صحافت ،افتخار کھو کھر

اخبارنویسی کی مختصرترین تاریخ ،الیس ایم ناز به

LIBRARY SCIENCE

ASSOCIATE DEGREE IN ARTS (ELECTIVE COURSE)

PAPER-II

1- Acquisition of Library Material

Meaning and definition
Principals of book selection
Book selection tools
Accessioning library material and accession register

2- Cataloguing

Meaning and definition of cataloguing
Scope and purpose of cataloguing
Kinds and forms of cataloguing
Introduction to AACR-2
Elements of Main Entry card and added entries
Introduction to Sears List of Subject Headings

3- Reference Sources

(a)- Printed Reference Sources

Directories – Encyclopedia – Bibliographies
Directories – Periodical – Geographical Sources

(b)- Electronic Sources

Databases – CDs, Online Source – Website – Internet – E-mail

4- Reference Services

Supervision – Instruction – Guidance- Information storage and retrieval – Bibliography - Evaluation

5- Computer in Libraries

Introduction to Computers Components of Computer Hardware and Software Input and Output Devices Use of Computer in Libraries

6- Cataloguing Practical (worth 20 %)

ASSOCIATE DEGREE IN SCIENCE A-Course of Mathematics

Paper-II

NOTE: Each section having four questions, please attempt two questions from each section.

SECTION-I (4/12: 17,17,17,17)

Antiderivatives and indefinite integrals. Methods of integration. Definite integral as limit of sum. Fundamental theorem. Properties. Improper integrals. Reduction formulas. Double and triple integral (simple cases). Area between curves. Length of arc. Intrinsic equations. Asymptotes. Extrema and its application. Singular points. Curvature. Evolute and envelopes. Volume and surfaces of revolution.

SECTION-II (4/12: 16,16,16,16)

Definition and examples of metric spaces. Open and closed balls and sets. Neighborhoods. Limit points. Interior, exterior and boundary sets. Closure of a set. Complete metric spaces. Definition and examples of topological spaces. Basic properties. Neighborhoods. Limit points. Interior, exterior and boundary sets. Closure of a set. Divisibility. Euclid theorem. Greatest divisor. Least common multiple. Prime factorization theorem. Introduction to elementary logic. Predicate calculus. Methods of proofs.

SECTION-III (4/12: 17,17,17,17)

Definition and examples of a group. Order of an element of a group. Subgroup. Cyclic and permutation groups. Lagrange's theorm. Rings and fields. Algebra of matrices. Cofactors, minors, adjoint and inverse of a matrix. Elementary row and column operations. Echelon form and rank of matrix. Solution of the system of linear equations (Homogeneous and non-homogeneous) by use of matrices. Net work flow problems. Determinants with properties.

Recommended Books

- 1. Calculus by H.Anton. John Wiley and Sons New York. (Latest Edition)
- 2. Calculus By C.H Edwards and D.E. Penney. Prentice Hall. Inc. (Latest Edition)
- 3. Calculus By S.I. Grossman. Academic Press Ine (London) Ltd. (Latest Edition)
- 4. Calculus and Analytic Geometry by S.M. Yousaf. Illmi Kitab Khana. Urdu Bazar Lahore 1998
- 5. Calculus and analytic geometry by G.B Thomas and R.I. Finney, Adison-Wesley Publishing Company. Lahore. (Latest Edition)
- 6. Elementary Linear Algebra by C.H. Edwards. Jr and Davide penney. Prentic Hall international Inc. (1988)
- 7. Mathematical Techniques by K. H. Dar. Irfan-ul-Haq and M.A. Jajja. The Carvan Book House. Kachehry Road Lahore. 9th Edition 1997
- 8. Mathematics Methods by S.M. Yousaf. Illmi Kitab Khana. Urdu Bazar Lahore. (2000)
- 9. Set Theory and Logic by Stoll, Robert R.S. Chand & Co. New Delhi
- 10. Number Theory by Dr. Manzoor Hussain. The Carvan Book House. Kachehry Road, Lahore.
- 11. Elementary Linear Algebra (sixth edition) by Howard Anton And Chris Rorres. John Willey & Sons. INC. 10th Edition 2000

ASSOCIATE DEGREE IN SCIENCE B-Course of Mathematics Paper -II

NOTE: Each section having four questions, please attempt two questions from each section.

SECTION-I (4/12: 17,17,17,17)

Basic concepts of differential equations. Classification and formation of DEs. Various methods of solutions of first order ODE (linear and non-linear). The Bernoulli's, Ricatti and Clairaut's equations. Singular solutions. Orthogonal trajectories. Application of first order ODE in problems of decay and growth, population dynamics, logistic equations. Linear DE of higher order (homogeneous and non-homogeneous). Solution by: Doperator and undetermined co-officients Methods. Reduction of order and variation of parameters methods for 2nd order linear DE. Cauchy-Euler equation. Power series solution about an arbitrary point.

SECTION-II (4/12: 16,16,16,16)

Laplace Transformation, solution of ODEs. Error analysis. Solution of non-linear (algebraic and transcendental) equation in one variable using bisection method, false position method, Newton - Raphson method and fixed point method. Difference operators. Interpolation (Newton's and Lagrange's methods). Numerical differentiation (at a point of the data). Numerical integration (rectangular, trapezoidal and 1/3 Simpson's rules).

SECTION-III (4/12: 17,17,17,17)

Co-ordinates in three dimension. Rectangular, cylindrical and spherical co-ordinates. Equations of plane, straight line, sphere, cylinder, cone, ellipsoid, hyperboloid and paraboloid. Longitude and latitudes. Spherical triangle and direction of Qibla. Inner Product Space, Eigen values and Eigen vectors, Dignalization of matrices.

Recommended Books.

- 1. Theory of Differential Equations of Dennis G.Zill. Books Thomson Learning Academic Resource Center. USA.8th Edition 2013
- 2. Mathematical Techniques by K.H. Dar, Irfan-ul-Haq and M.A. Jajja. The Carvan Books House. Kachehry Road, Lahore.9th Edition 1997
- 3. Mathematics Methods by S.M. Yousaf. Illmi Kitab Khana. Urdu Bazar, Lahore.
- Numerical Analysis by R.L. Burden and J.D. Faires. PES-Kent Publishing Company. Bostan. USA 9th Edition 2011
- Operations Research by H.A. Taha. Prentice-hall Inc. Englewood. Cliffs USA.4th Edition 2011
- 6. Mathematical Statistics. By Dr. J.E.Freund. Prentice-hall Inc. Englewood. Cliffs USA. 7th Edition 2007
- 7. Vector and Tensor Methods, by Chorlton, Ellis Horwood Publishers. 1976
- 8. Elementary Vector Analysis. By Dr. Munawar Hussain. S.M. Hafeez. M.A. Saeed and Ch. Bashir Ahmed. The Caravan Book House, Kachhry Road, Lahore.
- A Text Book by Dynamics by Chorlton, Van Nostrand Company Ltd. London.1967
- 10. Mechanics by O.K. Ghori. West Pakistan Publishing Company, Lahore. 1971

ASSOCIATE DEGREE IN ARTS / SCIENCE General Mathematics

Paper-II

NOTE: Each section having four questions, please attempt two questions from each section.

SECTION-I (4/12: 17,17,17,17)

Vectors in three-dimensions. Scalar and vector products with applications. Scalar and vector triple products. Differentiation and integration of vector functions. Gradient, divergence and curl. Sequences. Bounded Sequences. Convergence and divergence of sequences. nth-term test, comparison test, ratio test, root test and integral test for convergence and divergence of infinite series. Convergence and divergence of alternating series. Complex numbers and their properties. De moivre's theorem and its applications. Circular, logarithmic and hyperbolic functions. Separation into real and imaginary parts.

SECTION-II (4/12: 16,16,16,16)

Algebra of matrices. Determinants with properties. Co-factors, minors, adjoint and inverse of a matrix. Elementary row and column operations. Echelon form and rank of matrix. Solution of the system of linear equations (Homogeneous and non-homogeneous) by use of matrices. Network flow problems. Vector spaces and sub spaces. Linearly dependent and independent vectors. Bases and dimension. Linear transformation. Matrix of linear transformation (relevant theorems of bases and linear transformation with out proofs)

SECTION-III (4/12: 17,17,17,17)

Basic concepts of differential equations. Classification and formation of DEs. Various methods of solutions of first order ODE (linear and non-linear). The Bernoulli's, Ricatti and Clairaut's equations. Singular solutions. Orthogonal trajectories. Application of first order ODE in problems of decay and growth, population dynamics, logistic equations. Linear DE of higher order (homogeneous and non-homogeneous). Solution by: Doperator and undetermined co-officients Methods. Reduction of order and variation of parameters methods for 2nd order linear DE. Cauchy-Euler equation.

Recommended Books

- 1. Calculus by H. Anton. John Wiley and Sons New York. (Latest Edition)
- 2. Calculus By C.H Edwards and D.E. Penney. Prentiee Hall. Inc. (Latest Edition)
- 3. Calculus By S.I. Grossman. Academic Press Ine (London) Ltd. (Latest Edition)
- Calculus and Analytic Geometry by S.M. Yousaf. Illmi Kitab Khana. Urdu Bazar Lahore 1998
- 5. Calculus and analytic geometry by G.B Thomas and R.I. Finney., Adison-Wesley Publishing Company. (Latest Edition)
- 6. Elementary Linear Algebra by C.H. Edwards. Jr and Davide penney. Prentic Hall international Inc. 1988
- 7. Mathematical Techniques by K. H. Dar. Irfan-ul-Haq and M.A. Jajja. The Carvan Book House. Kachehry Road Lahore. 9th Edition 1997
- 8. Mathematics Methods by S.M. Yousaf. Illmi Kitab Khana. Urdu Bazar Lahore. 2000
- 9. Set Theory and Logic by Stoll. Robert R.S chand & Co. New Delhi.
- 10. Number Theory by Dr. Manzoor Hussai. The Carvan Book House, Kachachry, Lahore
- 11. Elementary Liner Algebra by Howard Anton and Chris Rorres John Willey & Sons Inc 10th Edition 2010

ASSOCIATE DEGREE IN ARTS

PERISAN ELECTIVE-II

Appendix A

(Outlines of Tests)

1. Translation of the passage from the text into Urdu (Prose).	(20)
2. Urdu translation and expalanation of the passage from the text (Poetry).	(20)
3. Critical and biographical questions on any one of the following.	(20)
Ghazali, Nizam-ul-Mulk Toosi, Rumi, Hafiz & Ghalib.	
4. Definition and examples of the following Rhetorics.	(10)
مراعاة النظير' تضاد تلحيء حسن تعليل	
5. Translation from Urdu to Persian.	(10)
6. Objective questions relating to the syllabus.	(20)
Note: Division of makrs for B.A. examination 2008 and afterward will be as under:	
Subjective = 60 Objective = 40 Total = 100	

Appendix-B

(Syllabi and Courses of Reading)

حدنثر "البي ظاهرداريم____من ممانم" _2 ركن دوم اصل اول (آ داب طعام خوردن) "بدان كدراه عبادت بهم از جمله عبادات است ____ كفران نعمت كرده باشد جلال الدين دواني انتخاب از اخلاق جلالي _3 آ داب خن گفتن _"بايد كه بسيار تكويد ____ كي بيش مكو_" نظام الملك طوى انتخاب ازسياست نامه "اندریش دبش کردن و بررسیدن کاردین وشریعت و ماننداین " بريادشاه واجب است دركاروين ____وراين معنى حكايات بسيار است اين قدر يادكردة مدوكفايت است حكايت امير المونين عرق "زيدين الم _____خدايت بيامرز ادچنا كله ماراز تده كردي_ افسانہ"طرح کم خرج" مجتبئ مينوى _5 حصيظم انتخاب ازرباعيات بازآبازآ برآنجيشتبازآ ومل تو کجاو من مجور کجا عصيان خلايق ارج صحراصحراست باعلم كرهمل برابر كردو گرقرب خدای طلی دلجویاش انتخاب ازمنتوي معنوى مولوى مولا نا جلال دين رومي -2 دفتر اول شعر بشنوازنی چون حکایت ی کند_____قصیهای عشق مجنون ی کند شعرنبر18 ' 20 تا23 ' 33 تاكوه در رقص آمد وجالاك شد

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" كَثر ما عُدن وهان آن فخص كَهام يغرراب تستخورو"
                                         "آن دبن كركرد____رحم خواى يرضعيفان رحم آر"
                                                                                        انتخاب ازغز ليات
        بنما ك رخ كدباخ وكلمتانم آرزوست كاشعار فبر 1 '4 '11 1 ' 11 15 '20 '24-
                                                                                                   غزل
                                                       فخرالدين عراتى انتخاب ازغز ليات
                                         يك لحظه ديدن رخ جانانم آرزوست
                                               محتين باده كاندرجام كردند
                                     زدودىدەخون فشانم زغمت شب جدائى _
                                                                       افضل الدين خاقاني
                                          انتخاب ازقصايد
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                                       انتخاب ازغز ليات
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                                            يوسف كم كشة بإزآ يدبكنعان ثم مخور
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                                               اى يادشة خوبان دادازغم تنهائى
                                                        انتخاب ازغز ليات
                                                                              غالب دہلوی
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                                        بوادنى كددرة ن خفرراعصا خفت است
                                               بايدزي برآ ئينه پرېيز محفتهاند
                                                                                     _iii
                                                     بياوجوش تمناى ديدنم بنكر
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      بیا کہ قاعدہ آ سان بگر دانیم (اس غزل کے پہلے یا چے اور آخری دوشعم شامل ہیں)
                                                     مك الشعرا بهار انتخاب ازغز ليات بهار
                                              آخراز جورتوعالم داخرخواجيم كرد
                                         درطواف شع می گفت این خن پرواندای
                                                                                       ⊸ii
                                                                                                مجوزه كتب
                                                   سوانح مولاناردم شيلى نعمانى
                                                                                      _1
                                         ادب تامداران ازمقبول بيك بدخشاني
                                                                                      _2
                                                    حافظ ثيرين خن دكترمعين
                                                                                      _3
                                       جديدارياني ادب از ڈا كٹرظہورالدين احمہ
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Ghalib by Dr. Arif Shah C. Syyid Gillani _5

تاريخ ادبيات ايران دكتر رضازاده شفق

شعرالتجم ازثيلى نعماني _7

الغزالي ازشيل نعماني **~8**

حدايق البلاغت ازمولوي نصيرالدين _9

> آ موز گارفاری دکتر حضورسلیم _10

ارمغان ابران از ڈاکٹر وحیدمرز ا _11

غالب کی فاری شاعری مرز ا منور _ _12

نموننشر مای دلاً ویزد آموزندهٔ فاری از دکتر محمود دبیرسیاتی _13

تخيخن فارى حصددوم طيبينو توستيث مين بإزارسيلا ئث ٹاؤن سر كودها۔ _14

ASSOCIATE DEGREE IN ARTS PHILOSOPHY (ELECTIVE)-II

Appendix 'A' (Outlines of Tests)

Option (i) Ethics:

Marks 100

OR

Option (ii) Muslim Philosophy:

Marks 100

Appendix 'B' (Syllabi and Courses of Reading)

Paper 'B':

Option (i) Ethics:

- Problem and scope of ethics, Relation of ethics to Psychology, Sociology, Logic, (i) Aesthetics and religion.
- Evolution of conduct and the growth of moral judgment, General comparison of (ii) customary and reflective morality.
- Psychological basis of conduct, Desire, wish, will and character. The nature of (iii) moral judgment. The subject and object of moral judgment.
- A critical analysis of the theories of moral standard: (iv)
 - Hedosism, Bentham, Mill and Sidgwick.
 - Standard as Law; Butler, Shaftesbury Hutcheson and Kant. b)
 - Perfectionism: Spenecer, Hegel, T.H. Greem and lqbal.
 - The standard as Value: intrinsic and extrinsic values.

Commensurability of values: Rashdall, Moore and Ross

Applied Ethics: duties and virtues, casuistry, moral freedom, moral progress, crime and punishment. The significance of different theories for practice.

Books Recommended:

1. LilliS, W.

Introduction to Ethics.

2. Mackenzie, J.S.

Manual of Ethics.

Qadir, C.A.

☆+⊅(*

Dar, B.A

Quranic Ethics.

OR

Paper 'B':

Option (ii) Muslim Philosophy:

- Origin and Nature of Sufism. Character of Mystics Experience.
- Development of Muslim theology: Mutazilism and Asharism.

 Muslim Philosophers: Al-Kindi, Al-Farabi, Ibn Sina, Al-Ghazali, Ibn Bajjah, Ibn Tufail, Ibn Rushd and Ibn Khaldun.

Books Recommended:

1. Shiekh, M.S. Studies in Muslim Philosophy.

2. Abdul Khaliq & Shaidace, Prof. Yusuf. **-6**

ASSOCIATE DEGREE IN SCIENCE

Physics-II

Total Mark:

100

Appendix 'A'

(Outlines of Tests)

Paper-A:

(Written)

75 Marks

Section-I:

Electricity and Magnetism (4 Q)

Section II:

Modern Physics, Atomic and Nuclear Physics (3 Q)

Section III:

Electronics (3 Q)

Paper-B:

Electricity and Magnetism, Electronics, Modern

25 Marks

Physics, and Nuclear Physics (Practical)

Note:

"Out of the Whole Syllabus (for a paper) there will be 10 questions as usual and the candidate will have to attempt 5 out of 10 questions. However;

There will be three Sections. Section I will be of four questions while remaining two sections will have three questions each. The candidate will have to attempt five (5) questions selecting not more than two (2) questions from each section.

Furthermore there will be 2 to 3 parts of question in each Section. One of the parts will be either numerical or a question related to the Physical significance of the topic (conceptual question)."

Appendix 'B'

(Syllabi and Courses of Reading)

Paper-A:

Written (Time: 3 Hours)

75 Marks

Note: Attempt five (5) questions selecting not more than two (2) questions from each section.

Section	Subject
Section-1	Electricity and Magnetism
Section-1I	Modern Physics, Atomic and Nuclear Physics
Section-1II	Electronics
	Section-1I

EELCTROSTATICS		
	SCOPE	
10110	Review of previous concepts, Coulomb's law for	
Electric charge: Conductors and insulators	point charges.	
Vector form of coulomb's Law	point charges.	
	Field due to point charges; due to several point	
Electric Field	charges, electric dipole.	
Electric field of continuous charge distribution	For example, ring of charge, disc of charge, infinite line	
	of charge.	
Point charge in an electric field		
Dipole in an electric field	Torque and energy of a dipole in uniform field.	
Gauss's Law	Electric flux, Gauss's law (integral and different form)	
Application of Gauss's law (integral form)	Charged isolated conductors, conductor with a cavity, field near a charged conducting sheet, field of infinite line of charge, field of infinite sheet of charge, field of spherical shell and field of spherical charge distribution.	
Suggested level	Ch: 26& 27 of H.R.K (Vol-2, Ed. 5th)	
EELCTRIC POTENTIAL TOPIC	SCOPE	
Electric Potential	Electric potential energy	
Calculating the potential from the field and vice	Potential due to point charge. Potential due to collection of point charges. Potential due to dipole. Electric potential of continuous charge distribution. Field as the gradient or derivative of potential.	
versa	Potential and field inside and outside an isolated	
	conductor. Equipotential surfaces. Ch: 28 of H.R.K (Vol-2, Ed. 5 th)	
Suggested level		
CAPACITORS AND DIELECTRICS TOPIC Capacitors and dielectrics	Capacitance, calculate the electric field in capacitors of various shapes (including atomic view)	
·	Application of Gauss's law to capacitor with dielectrics and Gauss's Law for dielectrics.	
	Ch: 30 of H.R.K V2 (E5)	
ELECTRIC CURRENT & THE ELECTRICAL PROPERTIES OF MATERIALS	·	
TOPIC	SCOPE	
Electric current	Current density and drift speed, resistance, resistivity, conductivity (microscopic view of resistivity). Basic definition, analogy between current and heat	

	flow, and microscopic view of Ohm's law.		
Energy transfers in the electric circuit			
Semiconductors and superconductors	Descriptive (giving basic idea).		
Suggested level	Ch; 29 of H.R.K (Vol-2, Ed. 5 th)		
DC CIRCUIT	SCOPE		
TOPIC			
Calculating the current in a single loop, multiple loops and voltages at various elements of a loop	Use of Kirchhoff's voltage and current laws.		
RC circuit	Growth and decay of current in an RC circuit. Analytical treatment		
Suggested level	Ch; 31 of H.R.K (Vol-2, Ed. 5 th)		
MAGNETIC FIELD EFFECTS			
TOPIC	SCOPE		
Magnetic field (B)	Basic idea		
Magnetic force on a charged particle	Recall the previous results.		
Magnetic force on a current carrying wire			
Torque on a current loop	Discuss mathematical treatment		
Magnetic dipole	Discuss quantitatively		
magnetts of pro-	Ch: 32 of H.R.K (Vol-2, Ed. 5 th)		
AMPERE'S LAW			
TOPIC	SCOPE		
Bio-Savart Law	Analytical treatment and applications to a current		
Die savarau.	loop, force on two parallel current carrying		
	conductors.		
Amper's Law	Integral and differential forms, application to		
The second secon	solenoids and toroids (integral form)		
Suggested level	Ch: 33 of H.R.K (Vol-2, Ed. 5 th)		
35			
FARADAY'S LAW OF			
ELECTROMAGNETIC INDUCTION			
TOPIC	SCOPE		
Faraday's law	Magnetic flux, consequences of Faraday's law		
Lenz law	Discussion, Eddy current etc.		
Motional E.M.F	Quantitative analysis		
Suggested level	Ch; 34 of H.R.K (Vol-2, Ed. 5 th)		
MAGNETIC PROPERTIES OF MATTER			
TOPIC	SCOPE		
Magnetic dipole (µ)	Energy & torque of magnetic dipole in field		
Gauss law for magnetism	Discussion and developing concepts of		
	conservation of magnetic flux and mono poles.		
	Differential form of Gauss' law.		
Origin of atomic and nuclear magnetization	Definition and relationship of M, B and μ		
Magnetic Materials	Paramagnetism, diamagnetism and ferromagnetism		

	Discussion, hysteresis in ferromagnetic materials		
Suggested level;	Ch; 35 of H.R.K (Vol-2, Ed. 5 th)		
INDUCTANCE			
TOPIC	SCOPE		
Generating and electromagnetic wave	50012		
Travelling waves and Maxwell's equations	Analytical treatment, obtaining differential form,		
Travelling waves and Maxwell's equations	Maxwell's equations, obtaining the velocity of light from Maxwell's equations.		
Energy transport and the Poynting vector	Analytical treatment and discussion of physical concepts		
Suggested level	Ch: 38 of H.R.K (Vol-2, Ed. 5 th)		
Section-I: Modern Physics, Atomics and Nuclear Physics			
MODERN PHYSICS			
QUANTUM PHYSICS			
TOPIC	SCOPE		
Thermal Radiations (Black Body Radition)	Stefan Boltzmann, Wien and Plank's law (Consequences)		
The quantization of Energy	Quantum Numbers, correspondence principle.		
The Photoelectric effect.	Explanation of Photoelectric effect.		
Einsten's photon theory	Discussion		
The Compton effect	Analytical treatment		
Line spectra	Quantitative discussion, explanation using quantum theory.		
Suggested level	Ch; 49 of H.R.K (Vol-2, Ed. 5 th)		
Buggested level			
WAVE NATURE OF MATTER			
TOPIC	SCOPE		
Wave behavior of particles	de Broglie hypothesis		
Testing de Broglie's hypothesis	Davission-Germer Experiment and explanation.		
Waves, waves packets and particles	Localizing a wave in space and time.		
Heisenberg's uncertainty principle (HUP)	H.U.P for momentum-position and energy time,		
	H.U.P applied to single slit diffraction.		
Wave function	Definition, relation to probability of particle.		
Schrodinger Equation	To be presented without derivation (and application)		
	To specific cases e.g., step potentials, and free particle, Barrier tunneling (basic idea).		
STATES AND ENERGY LEVELS			

TOPIC Trapped Particles and probability densities.	
	Particles in a well, probability density using wave function of states. Discussion of particle in a well.
	Barrier tunneling
The correspondence printing	Discussion
Dual nature of matter (waves and particles)	Discussion.
Suggested level	Ch: 50 of H.R.K (Vol-2, Ed. 5 th)
ATOMIC AND NUCLEAR PHYSICS	
ATOMIC STRUCTURE OF HYDROGEN	
TOPIC	SCOPE
Bohr's theory	Derivation and quantitative discussion; Franck
·	Hertz experiment. Energy levels of electrons.
	Atomic Spectrum
Angular momentum of electrons.	Vector atomic model, orbital angular momentum,
	space quantization. Orbital angular momentum & magnetism, Bohr's magneton.
Electron spin	Dipole in no uniform field, Stern-Gerlach
•	experiment, discussion of experimental results.
X-Ray spectrum	Continuous and discrete spectrum (explanation)
X-Ray & atomic number	Mosley's Law
Development of periodic table	Pauli exclusion principle and its use in developing the periodic table.
Laser	Definition, basic concepts of working of He-Ne laser.
Suggested Level	Ch: 51 of H.R.K (Vol-2, Ed. 5 th)
35	
NUCLEAR PHYSICS	
TOPIC	SCOPE
Discovering the nucleus	Review, Rutherford's experiment and interpretation
Some nuclear properties	Nuclear systematics (Mass No. Atomic No. Isotopes)
	Nuclear Force (Basic ideas)
	Nuclear radii
	Nuclear masses, Binding energies, Mass defect.
	Nuclear spin and magnetism.
Radioactive decay	Law of decay; half-life, mean life
Alpha decay	Basic ideas.
Beta decay	Basic idea.
Measuring ionizing radiation (units)	Curie, Rad, etc.
Natural Radioactivity	Discussion, radioactive dating.
Nuclear reactions.	Basic ideas e.g. reaction energy, Q value
	Exothermic endothermic (some discussion on reaction energies in contact with nuclear stationer
	states).

	Theory of nuclear fission.
Nuclear reactors	Basic principles.
Thermonuclear fusion (T.N.F)	Basic process; T.N.F in stars.
Controlled thermonuclear fusion	Basic ideas and requirements for a T.N. reactor
Suggested level.	Ch; 54 of H.R.K (Vol-2, Ed. 5 th)
Section-III:	
Electronics	
TOPIC	SCOPE
Semiconductor materials	Idea of energy bands and energy gaps
	(Qualitative). P-type, N-type materials.
Junction diode	Structure, characteristics and applications as
	rectifiers
Transistor	Basic structure and operation.
Transistor, biasing and transistor as an amplifier	Biasing for amplifiers, characteristics of common
	base, common emitter, common collector, load line,
	operating point, hybrid parameters. Common
	emitter mode (Explanation).
Amplification with feedback	Positive and negative feedbacks.
Oscillators	Oscillators, Multivibrators.
Login gates	OR, AND, NOT, NAND, NOR and their basic
	applications.
Suggested level	Basic Electronics by B. Grob.

<u>Paper-B:</u> Electricity and Magnetism, Electronics, Modern Physics, and Nuclear Physics

25 Marks

Sr. No.	Subject
1	Electricity and Magnetism
2	Modern Physics,
3	Atomic and Nuclear Physics
4	Electronics

List of Experiments for Practical Paper "B".

1. Electricity and Magnetism:

- 1. To measure the unknown resistance using neon flash bulb and capacitor.
- 2. To study the I-H Curve by Magnetometer.
- 3. To study the conversion of a pointer galvanometer into a voltmeter and an ammeter.
- 4. To calibrate an ammeter and a voltmeter by potentiometer.

- 5. To determine low resistance by Carey Foster bridge.
- 6. To determine the charge sensitivity of a ballistic galvanometer taking into account logarithmic decrement.
- 7. To comparison the capacitances of two capacitors by ballistic galvanometer.
- 8. To study the Acceptor circuit.
- 9. To study the Rejector circuit.
- 10. To measure measurement of magnetic field by flux meter or by search coil method.
- 11. To measure the value of horizontal component 'H' of earth's magnetic field by an earth inductor.

2. Modern Physics, Atomic and Nuclear Physics:

- 12. To study the variation of photoelectric current with the intensity of light.
- 13. To determine the Planck's constant using spectrometer.
- 14. To determine e/m of an electron by deflection method.
- 15. To determine the ionization potential of mercury.
- 16. To study the characteristic curves of a Geiger-Müller (G. M.) tube.
- 17. To determine the range of Alpha particles.
- 18. To study the stopping power of alpha particles in air, Mica, Ag, Cu and Al.
- 19. To study the absorption coefficient of Beta-particles, using a Geiger-Müller (G. M.) tube.

3. Electronics:

- 20. To Set up half-wave and full-wave rectifier circuits and observe the wave shapes on the oscilloscope screen. To study the effect of smoothing circuits on the ripple voltage.
- 21. To set up a transistor oscillator circuit and measure its frequency by using an oscilloscope.
- 22. To draw the characteristics of a semiconductor diode.
- 23. To set up a single stage transistor amplifier circuit and measure its voltage gain.
- 24. To set up a high frequency oscillator and measure its frequency with a wave meter.

Note: Minimum 30 experiments should be performed, at least 12 from List of Experiments for Practical Paper "C" and 18 from List of Experiments for Practical Paper "B".

POLITICAL SCIENCE (ELECTIVE)-II

Political Science (Associate Degree in Arts)

Syllabi and Courses of Reading

Government and Politics in U.K. U.S.A., Switzerland and Pakistan Marks 100

Government and Politics in U.K. U.S.A., Switzerland and Pakistan

aper will be divided into the following two parts consisting of 60 and 40 marks respectively) (Note:

			Part-I
1.	United Kingdo (a) (b)	Nature	and Evolution to the British Constitution; its Sources and Salient Features re of the Government:
	,	(i)	Kingship; its Role and Reasons for its Survival.
		(ii) (iii)	Cabinet: Features and Role. Cabinet, Ministry and Privy Council. Parliament: Composition and Powers; Procedure of Law making. Supremacy of the Parliment.
		(i v)	Judiciary: Organization and Jurisdiction; Rule of Law.
	(c) Civil S	Service; Local Self government; Political Parties.
2.	United States		
	(a) Const	itution: Growth, Nature and Salient Features.
	(b		al System: Division of Power in Theory and Practice.
	(c		lency: Theory and Practice.
	(d		ress; Composition, Powers, Procedure of Law making, Role of nittees in the Congress.
	(e		al Judiciary: Organization and Jurisdiction. Judicial Review.
	(f)		ration of Powers.
	(g		cal Parties.
Switz	erland:		
	(a		y of the Development of the Constitution.
	(b		Features of the Constitution.
	(6		ederal Executive.
			ederal Legislature. antons in the Swiss Political System.
	(¢		Democracy.
			DADT E

PART I

		_		
I alamia	Domi	hlia	of Da	kistan:
ISIAMIC	REDU	wiic	UI F d	MISIAII.

Ideological Basis of Pakistan.

Constitutional Development since 1947.

A detailed study of the Government System under 1973 Constitution.

Books Recommended:

I.H. Qureshi:

Mercridis and Ward:

S.M.lkram: Ogg and Zink:

Syed Hasan Riaz: Muhammad Sarwar:

A.C. Kapur, A. Appadoral, Struggle for Pakistan.

Modern Political Systems.

Muslim India and the Birth of Pakistan. Modern Foreign Governments. Pakistan Na Guzeer Tha (Urdu)

Jadeed Hukomatain (Urdu) Select Modern Constitutions.

The Substance of Politics (Selection on Switzerland), Oxford.

ASSOCIATE DEGREE IN ARTS / SCIENCE

Applied Psychology-II

Appendix 'A'

(Outlines of Tests)

Paper-A:

Applied Areas of Psychology (Written)

80 Marks

Paper-B:

Mini Research (Practical)

20 Marks

Appendix 'B'

(Syllabi and Courses of Reading)

Paper-A: Applied Areas of Psychology

80 Marks

Total Mark: 100

1. Introduction:

Scope of Psychology

Introduction of Applied Areas of Psychology

2. Clinical Psychology:

Introduction: aims and scope

Brief History

Role of a Clinical Psychologist

Perspectives of Clinical Psychology

Clinical Assessment and Intervention

Status of Clinical Psychology in the World

Status of Clinical Psychology in Pakistan

3. Counseling Psychology:

Introduction: aims and scope

Brief History

Role of a Counseling Psychologist

Perspectives of Counseling Psychology

Assessment and Intervention

Status of Counseling Psychology in the World

Status of Counseling Psychology in Pakistan

4. Organizational/Industrial Psychology:

Introduction and Brief History of I/O Psychology

Scope of I/O Psychology

Approaches to I/O Psychology

Services provided by I/O Psychologists

Assessment and Intervention

Status of I/O Psychology in the World

Status of I/O Psychology in Pakistan

5. Developmental Psychology:

Introduction: Aims and scope

Brief History

Role of a Developmental Psychologist

Approaches of Developmental Psychology

Assessment and Intervention

Status of Developmental Psychology in the World

Status of Developmental Psychology in Pakistan

6. Health Psychology:

Introduction: aims and scope

Brief History

Role of a Health Psychologist

Models of Health Psychology

Assessment and Intervention

Status of Health Psychology in the World Status of Health Psychology in Pakistan

7. School and Educational Psychology:

Introduction: aims and scope

Brief History

Role of a School Psychologist

Perspectives of School Psychology

Assessment and Intervention

Status of School/Educational Psychology in the World

Status of School/Educational Psychology in Pakistan

8. Social Psychology:

Introduction; Group Types: Primary group, Secondary group, Reference group, In and out group Attitude: Types of attitudes; Stereotypes, Prejudices Nature and components, Leadership: types and characteristics Mass Communication: Electronic media and Print media.

9. Sports Psychology:

Introduction: aims and scope

Brief History

Role of a Sport Psychologist

Perspectives of Developmental Psychology

Assessment and Intervention

Status of Sport Psychology in the World

Status of Sport Psychology in Pakistan

10. Forensic Psychology:

Introduction: aims and scope

Brief History

Role of a Forensic Psychologist

Perspectives of Forensic Psychology

Assessment and Intervention

Status of Forensic Psychology in the World

Status of Forensic Psychology in Pakistan

11. Emerging Areas in Psychology:

Positive Psychology

Environmental Psychology

Peace Psychology

Military Psychology

Paper-B: Mini Research (Practical)

20 Marks

Students are required to perform mini research in group (comprising of 4-5 members).

Mini Research Report

10 marks

Viva Voce

10 marks

Recommended Books:

- 1. Kaplan, R. M. & Saccuzzo, D. P. (2005). Psychological Testing: Principles, Applications, and Issues. USA: Wadsworth.
- 2. Slater, A. & Bremner, G. (2003). An Introduction to Developmental Psychology. Germany: Blackwell Publishing.
- 3. Santrock, J. W. (2007). Child Development. (11th ed.). USA: McGraw-Hill.
- 4. Crow, L. D. & Crow, A. (2000). Educational Psychology. Pakistan: National Book

Foundation. Sharma, R. N. & Sharma R. K. (2006). *Advanced Educational Psychology*. I ndia: Atlantic Publisher.

- 5. Myers, D. G. (2008). Social Psychology. USA: McGraw-Hill.
- 6. Muchinsky, P. M. (2002). Psychology Applied to Work. USA: Wadsworth.
- 7. Snyder, C. R. & Lopez, S. J. (2007). Positive Psychology. USA: SAGE Publications.
- 8. Towl G. J. & Crighton, D. A. (2010). Forensic Psychology. UK: Blackwell Publishing.
- 9. Bell, P. A., Greene, T. C., Fisher J. D. & Baum, A. (2001). *Environmental Psychology*. USA: Harcourt.



ADA PUNJABI ELECTIVE-II

SYLLABI PAPER-II

Appendix "A"

Outline of Tests

100 نبر

تنقيدي وحيار+ پنجاني کهاوتان

Appendix "B"

Syllabi & Courses of Reading

30 نمبر		مضمون
15 نمبر	اوب)	بہلادھہ (
20 نبر	عقيد)	دوجاهه
= 15 نبر	= 5x3=2+1	پنجابی کہاوتاں (اکھان) مطلب تے ورتوں داموقع
20 نمبر		اردوتوں پنجا بی ترجمہ

Text Books (Prescribed)

نصانی کتاباں (مجوزہ)

سیداخر جعفری (مدر

تقیری و چار: مصنفین

شبهاز ملك _اسلم رانا_ يونس احقر_ نوراحد ثاقب

: تاج بك د يواردوبازارلاه

أ. پنجانی کہاوتاں:

: ۋاكىرشىبازملك

مولف

عزيز بك ذيواردو بازارلا مور

پبلشر

ASSOCIATE DEGREE IN ARTS

Social Work-II

Total Mark: 100

Appendix 'A'

(Outlines of Tests)

Paper-A:

Social Work-II (Written)

75 Marks

Paper-B:

Practical

25 Marks

Appendix 'B'

(Syllabi and Courses of Reading)

Paper-A: Social Work-II

75 Marks

I. Introduction to Social Welfare

- a) Definition and Scope
- b) Historical Perspective of Social Welfare in Pakistan

II. Pakistani Society

- a) Definition and description of the term "Society"
- b) Characteristics of Pakistani Society
- c) Comparison of Rural and Urban Communities

III. Culture

- a) Definition and description of the term "Culture"
- b) Characteristics of Pakistani Culture
- c) Influence of allied Cultures on Pakistani Culture
- d) Social Norms-definition and stages (i.e. folkways, mores and laws)
- e) Socialization-definition, description and factors of socialization, (i.e. Family, Neighborhood, Peer Group, Religious Institution, Educational Institutions and Mass Media and Communication)

IV. Social Institutions

- a) Definition and description of "Social Institutions"
- b) Types of Social Institutions: Primary, Secondary
- c) Structure, Importance and Functions of the following:

Family Institution-Religious Institution

Political Institution-Economic Institution

Educational Institution-Recreational Institution

V. Social Change

- a) Definition and concept of "Social and Cultural Change"
- b) Process and effects of Social Change in Society
- c) Factors which promote and hinder Social Change

i. Socio-Economic Needs of Pakistan

- a) Agricultural Development-importance of Agriculture Development and hurdles involved-measures
- b) Industrial Development-importance of Industrial Development, hurdles i nvolved, Measures-Village Aid, IRDP etc.
- c) Problems arising out of industrialization and Urbanization-Education and Health,
 Measures

ii. Educational Needs and Problems

- a) Purposes and importance
- b) Exiting educational needs and problems, Measures
- c) Future requirements
- d) Importance of guidance and counseling in educational institutions
- e) Adult education, Its need and importance, Hurdles Involved, Measures
- f) Education and National Development

iii. Health Needs and Problems

- a) Causes of low health standards, Measures
- b) Health education and its importance
- c) Health and National Development
- d) Dengue
- e) Drug Addiction

iv. Child labour

Nature, causes, impact, eradication strategies

v. Terrorism

Nature, causes, impact, eradication strategies

vi. Environmental problems

Nature, causes, impact, eradication strategies

Recommended Books:

- Abdul HamedTaga (1998). Sociology and Social Problems. Abdul Hameed and Sons Publishers, Lahore.
- 2. Alam Anwar (2003). Principle of Sociology. Saif Printing Press, Peshawar.
- 3. Anwar Alam (2006). Applied Sociology (Social Problems and Research). Saif Printing Press, Peshawar Cantt. Department of Sociology, University of Peshawar.
- 4. Bertrand, Alving (1982). Rural Sociology. Mc-Graw Hill, New York.
- 5. Chaudhry. M. Iqbal (1985). Pakistani Society. Aziz Publishers, Urdu Bazar, Lahore.
- 6. Gerald Smale (2000). Social Work and Social Problems. Macmillan Press, London.
- 7. Hallahan (1991). Exceptional Children (4th ed.). Merrill Pub.Co., Columbus.
- 8. Khalid M. (2008). Social Work Theory and Practice with special reference to Pakistan (3rd edition). Kifayat Academy, Karachi.
- 9. Michel Oliver and Bob Sapey (1999). Social Work with Disable People (2nd Edition). Macmillan England.
- 10. Smith (1998). Introduction to Special Education (3rd Ed.). Allyn & Bacon, Boston.
- 11. Saeed, GulRukh, (2010). Tarug-a-Social Work (Part-II) Awais Publications, 2012.

Paper-B: Practical

25 Marks

Students will be assigned different activities like the following and they shall submit a comprehensive report on each of the activity:

- a) Organizing a group activity.
- b) Social survey on any special problem of the area.

SOCIOLOGY (ELECTIVE)-II

Sociology-II (Associate Degree in Arts) (Syllabi and Courses of Reading)

Marks

Sociological Theory, Research and Social Problem.

100

Sociological Theory and Research:

- Social Thought and Sociological Theory:-
 - (a) Meaning and Nature of Social Thought.
- (b) Meaning and Nature of Sociological Theory: Brief Introduction to Muslim Social Thought:-
- Ibn-e-Khaldun, Imam Ghazali and Shah Wali Ullah. (III) Sociological Theories:-
- Auguste Comte, Emile Durkheim and Max Weber.
- (IV) Research Methodology:-
 - (a) Scientific Method and its application to Sociology.
 - Types of Sociological Research: Exploratory, Descriptive and Explanatory / Experimental.
 - (c) Relationship between Theory and Research.
 - (d) Different Methods of Sociological Research: Qualitative and Quantitative Methods.
- (V) Research Design:-
 - (a) Selection of problem
 - (b) Concepts Literature Review
 - (c) Variables
 - (d) Hypotheses.
 - (e) Plan of Work
- (VI) Universe and Sampling:-
 - (a) Definition of Universe.
 - (b) Definition of Sampling.
 - (c) Types of Sample: Simple Random Sample and Stratified Sample.
- (VII) Data Collection:-
 - (a) Techniques of Data Collection:
- Interviewing and Observation.
- (b) Tools of Data Collection:
- Interview schedule and questionnaire.
- (VIII) Analysis of Data:-
 - (a) Frequency Distribution and Tabulation.
 - (b) Ratios and Percentages.
 - (c) Measure of Central Tendency (Average): Mean, Median and Mode.
- (IX) Social Problems:-
 - (a) Overpopulation
 - (b) Illiteracy

 - (c) Crime & Delinquenty
 (d) Environmental Pollution
- Recommended Books:-
 - Baker, Therese L.
- Goode, William, J. and Paul K. 2. Hatt:
- Horton, B. and Lesie Gerald R. 3. (latest ed)
- Young, Pauline V 4.
- Ali. Dr. M. Basharat: 5.
- Taga, Abdul Hameed 6.
- 7. Ahmad, Fahmida Masood
- Khalid, Mohammad 8.

Doing Social Research, New York: The Free Pess, 1988 Methods in Social Research, London: McGraw Hill, 1952

Scientific Social Surveys and Research, Tokyo: charles E. Tutritie o.

Muslims: The first Sociologists, Lahore: Maktabai-Miliya.

"Umrani Nazria wa Tahqeeq", Lahore: Islmai Brothers Publiehrs,

"Moashrati Masael Ki Omraniat", Karachi: Illmi Kitab Ghar, 1992.

Sociological Theory: A Historial Perpective, Karachi: Kifayat Academy, 1990.

ASSOCIATE DEGREE IN ARTS /SCIENCE

Statistics -II

Total Mark: 100

Appendix 'A'

(Outlines of Tests)

Paper-A:

Statistics-II (Written)

75 Marks

Paper-B:

Practical

25 Marks

Appendix 'B'

(Syllabi and Courses of Reading)

Paper-A:

Statistics-II

75 Marks

Candidates are required to attempt five questions in all, at least two from each section.

Section-I:

Sampling and Sampling Distribution (Weight 2/10)

Sampling designs of Simple random, Stratified random, Systematic random and Cluster sampling, Judgment and Quota Sampling. Random Numbers and their use in sampling. Advantages of sampling.

Probability and non-probability sampling, sampling and non-sampling errors, Calculation of sample mean, proportion and variance of simple random samples and stratified random samples. Sampling distribution of a statistic and its standard error. Sampling Distribution of mean, proportion, difference between two proportions and two means. Central limit theorem with illustration (Proof not required).

Statistical Inference (Weight 2/10)

Nature of statistical inference, point and interval estimation of parameter, properties of a good point estimator, confidence interval and its interpretation. Null and alternative hypotheses, simple and composite hypotheses. Type / and Type II errors. Level of significance. P-value and power of a test (only concept and definition), Acceptance and rejection regions, one sided and two sided tests, test procedure. Inference about single mean and difference between means for paired and un-paired observations. Inference about proportion and difference between two proportions. Determination of sample size. (Application of Normal distribution and t-distribution).

Inference About Variance (Weight 1/10)

Introduction and application of Chi-square distribution: Interval estimation and test of hypothesis about population variance (Interval estimation for variance - single sample).

Introduction and application of F-distribution: test of hypothesis for equality of two variance.

Section-II:

Analysis of Count Data (Weight 1/10)

Chi-square test of Independence, Chi square test of goodness of fit, Chi- square test of homogeneity.

Regression and Correlation Analysis (Weight 2/10)

Multiple linear regression with two regressors, coefficient of multiple determination. Partial and multiple correlation up to three variables. Inference of simple correlation and regression, partial and multiple correlation. Interval estimates and tests of hypothesis about parameters, mean prediction and individual prediction.

Analysis of Variance (Weight 1/10)

Analysis of variance for one-way classification and two-way classification. Multiple comparison tests; Least significant difference and Duncans multiple range test.

Basic Experimental Designs (Weight 1/10)

Basic principles of experimental design. Completely randomized, Randomized Complete Block and Latin Square Designs, Descriptions, layouts, statistical analysis, advantages and limitations of these designs. Application of these designs (Analysis of all these designs with single observation in each cell).

Paper-B: Practical

25 Marks

There will be two questions from each section and candidates are required to attempt one from each section. The distribution of marks will be as under:

Each question of 9 marks

i.e. 9 + 9

18 marks

Practical Note Book:

03 marks

Viva Voce:

04 marks

Recommended Books

- Clarke G. & Cooke D. (1998). A basic Course in Statistics, Arnold Publisher, London,
 4th Edition.
- 2. Wonnacott T.H. and Wonnacott R.J. (1981). Introductory Statistics, John Willy & Sons, New York.
- 3. Chaudhry, S.M. & Kamal, S. (1999). Introduction to Statistical Theory Parts I & II, llmi Kitab Khana, Urdu Bazar, Lahore.

- 4. Beg, M.A. and Mirza, M.D. (1997). Statistics, Theory and Methods, Volumes I & II, Carven Book House, Kutechery Road, Lahore.
- 5. Chase W Bown F. (1997). General Statistics, 3rd Edition, John Willy & Sons, New York.
- 6. Graybill, Iyer & Burdick (1998). Applied Statistics, A first course in inference. Prentice Hall, New Jersy.
- 7. Moore D.S., McCabe G.R., (1997). Introduction to the Practice of Statistics, 3rd Edition, Will Freeman & Co., New York.
- 8. Blumen (1997), Elementary Statistics, 3rd Edition, McGraw Hill, New York.
- 9. Chaudhry, R.M. (1998). Polymer Modern Statistics, Polymers.

نصاب (اُردواختیاری) نصاب کاخا که

ړچه-۱۱

ئل تمبر پرچهب••ا

نصاب کی تفصیل (پرچہ-۱۱)

ا شعری اصناف کا تعارف:

(غزل مثنوی قصیده مرثیه نظم معری نظم آزاد)

نثرى اصناف كاتعارف:

(داستان ـناول ـافسانه ـآب بيتي ـسفرنامه ـانشائيه)

تاریخ ادب اردو کے ادوار: (ان ادوار کےمطالعہ کے لیے ڈاکٹر انورسدید کی کتاب ''اردوادب کی تحریکیں' نصاب کا حصہ ہے)

ایبام گوئی کا دور

فورث وليم كالج كا دور

على كُدُّه اورسرسيدا حدخال

رومانوی تحریک کادور

ترقی پیندتر یک کادور

(فصاحت بلاغت داخلیت خارجیت کلاسکیت تغزل سهلمتنع محاکات معامله بندی)

علم بيان: (تثبيه-استعاره-مجازٍ مرسل-كنابي)

ایت برید استان الفیر الف ونشر رتفاد شجنیس تام دست تعلیل)
علم بدلیج: (مراة النظیر الف ونشر رتفاد شجنیس تام دست تعلیل)
علم عروض:

(بحر ہزئ مثمن سالم - بحر متقارب مثمن سالم - بحر رجز مثمن سالم)
مضمون نو لیم:

نصاب میں موجوداد بی موضوعات کے حوالے سے تفصیلی مضمون

ASSOCIATE DEGREE IN SCIENCE

Zoology-II

Total Mark: 100

Appendix 'A'

(Outlines of Tests)

Paper-A:

Chordates Diversity (Classification, Phylogeny

35 Marks

and Organization)

(Written)

Paper-B:

Animal form and function

35 Marks

(A comparative Perspective) (Written)

. . . .

Paper-C:

Practical-I

15 Marks

Paper-D:

Practical-II

15 Marks

Appendix 'B'

(Syllabi and Courses of Reading)

Paper-A: Chordates Diversity (Classification, Phylogeny and Organization)

35 Marks

1. Hemichordata and Invertebrate Chordates

Evolutionary Perspective: Phylogenetic Relationships; Classification up to subphylum or class where applicable; Further Phylogenetic Considerations.

2. The Fishes: Vertebrate Success in Water

Evolutionary Perspective: Phylogenetic Relationships; Survey of Superclass Agnatha and Gnathostomata; Evolutionary Pressures: Adaptations in Locomotion, Nutrition and the Digestive System, Circulation, Gas Exchange, Nervous and Sensory Functions, Excretion and Osmoregulation, Reproduction and Development; Further Phylogenetic Considerations.

3. Amphibians: The First Terrestrial Vertebrates

Evolutionary Perspective: Phylogenetic Relationships; Survey of Order Caudata, Gymnophiona, and Anura. Evolutionary Pressures: Adaptations in External Structure and Locomotion, Nutrition and the Digestive System, Circulation, Gas Exchange, Temperature Regulation, Nervous and Sensory Functions, Excretion and Osmoregulation, Reproduction, Development, and Metamorphosis; Further Phylogenetic Considerations.

4. Reptiles: The First Amniotes

Evolutionary Perspective: Cladistic Interpretation of the Amniotic Lineage; Survey of Order Testudines or Chelonia, Rhynchocephalia, Squamata, and Crocodilia; Evolutionary Pressures: Adaptations in External Structure and Locomotion, Nutrition and the Digestive System, Circulation, Gas Exchange, and Temperature Regulation, Nervous and Sensory Functions, Excretion and Osmoregulation, Reproduction and Development; Further Phylogenetic Considerations.

5. Birds: Feathers, Flight, and Endothermy

Evolutionary Perspective: Phylogenetic Relationships; Ancient Birds and the Evolution of Flight; Diversity of Modern Birds; Evolutionary Pressures: Adaptation in External Structure and Locomotion, Nutrition and the Digestive System, Circulation, Gas Exchange, and Temperature Regulation, Nervous and Sensory Systems, Excretion and Osmoregulation, Reproduction and Development; Migration and Navigation.

6. Mammals: Specialized Teeth, Endothermy, Hair, and Vivipartiy

Evolutionary Perspective: Diversity of Mammals; Evolutionary Pressures: Adaptations in External Structure and Locomotion, Nutrition and the Digestive System, Circulation, Gas Exchange, and Temperature Regulation, Nervous and Sensory Functions, Excretion and Osmoregulation, Behavior, Reproduction and Development.

Paper-B: Animal form and function (A comparative Perspective)

35 Marks

1. Protection, Support, and Movement

Protection: The Integumentary System of Invertebrates and Vertebrates; Movement and Support: The Skeletal System of Invertebrates and Vertebrates; Movement: Non-muscular Movement; An Introduction to Animal Muscles; The Muscular System of Invertebrates and Vertebrates.

2. Communication I: Nerves

Neurons: Structure and Function; Neuron Communication: Introductory accounts of Resting Membrane Potential, Action Potential (Nerve Impulse) and Transmission of the Action Potential between Cells; Invertebrate and Vertebrate Nervous Systems: The Spinal Cord, Spinal Nerves, The Brain, Cranial Nerves and The Autonomic Nervous System.

3. Communication II: Senses

Sensory Reception: Baroreceptors, Chemoreceptors, Georeceptors, Hygroreceptors, Phonoreceptors, Photoreceptors, Proprioceptors, Tactile Receptors, and Thermoreceptors of invertebrates; Lateral-Line System and Electrical Sensing, Lateral-Line System and Mechanoreception, Hearing and Equilibrium in Air, Hearing and Equilibrium in Water, Skin Sensors of Damaging Stimuli, Skin Sensors of Heat and Cold, Skin Sensors of Mechanical Stimuli, Sonar, Smell, Taste and Vision in Vertebrates.

4. Communication III: The Endocrine System and Chemical Messengers

Chemical Messengers: Hormones Chemistry; and Their Feedback Systems; Mechanisms of Hormone Action; Some Hormones of Porifera, Cnidarians, Platyhelminths, Nemerteans, Nematodes, Molluscs, Annelids, Arthropods, and Echinoderms Invertebrates; An Overview of the Vertebrate Endocrine System; Endocrine Systems of Vertebrates other Than Birds or Mammals; Endocrine Systems of Birds and Mammals.

5. Circulation, Immunity, and Gas Exchange

Internal Transport and Circulatory Systems in Invertebrates: Characteristics of Invertebrate Coelomic Fluid, Hemolymph, and Blood Cells; Transport Systems in Vertebrates; Characteristics of Vertebrate Blood, Blood Cells and Vessels; The Hearts and Circulatory Systems of Bony Fishes, Amphibians, and Reptiles, Birds and Mammals; The Human Heart: Blood Pressure and the Lymphatic System; Immunity: Nonspecific Defenses, The Immune Response; Gas Exchange: Respiratory Surfaces; Invertebrate and Vertebrate Respiratory Systems: Cutaneous Exchange, Gills, Lungs, and Lung Ventilation; Human Respiratory System: Gas Transport.

6. Nutrition and Digestion

Evolution of Nutrition; The Metabolic Fates of Nutrients in Heterotrophs; Digestion; Animal Strategies for Getting and Using Food Diversity in Digestive Structures of Invertebrates and Vertebrates; The Mammalian Digestive System: Gastrointestinal Motility and its Control, Oral Cavity, Pharynx and Esophagus, Stomach, Small Intestine: Main Site of Digestion; Large Intestine; Role of the Pancreas in Digestion; and Role of the Liver and Gallbladder in Digestion.

7. Temperature and Body Fluid Regulation

Homeostasis and Temperature Regulation; The Impact of Temperature on Animal Life; Heat Gains and Losses; Some Solutions to Temperature Fluctuations; Temperature Regulation in

Invertebrates, Fishes, Amphibians, Reptiles, Birds and Mammals; Heat Production in Birds and Mammals; Control of Water and Solutes (Osmoregulation and Excretion); Invertebrate and Vertebrate Excretory Systems; How Vertebrates Achieve Osmoregulation; Vertebrate Kidney Variations; Mechanism in Metanephric Kidney Functions.

8. Reproduction and Development

A sexual Reproduction in Invertebrates; Advantages and Disadvantages of Asexual Reproduction; Sexual Reproduction in Invertebrates; Advantages and Disadvantages of Sexual Reproduction; Sexual Reproduction in Vertebrates; Reproductive Strategies; Examples of Reproduction among Various Vertebrate Classes; The Human Male Reproductive System: Spermatogenesis, transport and Hormonal Control, Reproductive Function; The Human Female Reproductive System: Folliculogenesis, transport and Hormonal Control, Reproductive Function; Hormonal Regulation in gestation; Prenatal Development and Birth Events of Prenatal Development: The Placenta; Birth; Milk Production and Lactation.

9. Descriptive Embryology

Fertilization; Embryonic Development: Cleavage, and Egg Types; The Primary Germ Layers and their Derivatives; Echinoderm Embryology; Vertebrate Embryology: The Chordate Body Plan, Amphibian Embryology, Development in Terrestrial Environments, Avian Embryology, The Fate of Mesoderm.

Paper-C: Practical-I

15 Marks

- 1. Study of a representative of hemichordate and invertebrate chordate.
- 2. Study of representative groups of class fishes.
- 3. Study of representative groups of class Amphibia.
- 4. Study of representative groups of class Reptelia.
- 5. Study of representative groups of class Aves.
- 6. Study of representative groups of class Mammalia.
- 7. Field trips to study animal diversity in an ecosysem.

Note: Preserved specimen and or colored projection slide and or CD ROM projection of computer must be used.

Paper-D: Practical-II 15 Marks

- Study and notes on skeleton of Labeo, Rana tigrina, Varanus, fowl and Rabbit,
 Note for 1: Exercises of notes on the adaptations of skeletons to their function must be done.
- 2. Earthworm or leech; cockroach, freshwater mussel, Channa or *Catla catla* or *Labeo* or any other local fish, frog, pigeon and rat or mouse or rabbits are representative animals for study in dissections.
- 3. Study of models or preserved brains of representative animals and notes on adaptations.
- 4. Study of nervous system of earthworm and a fish.
- 5. Study of endocrine system in an insect and a mammal.
- 6. Study of different types of blood cells in blood smear.
- 7. Study of heart, principal arteries and principle veins in a representative vertebrate.
- 8. Study of respirator system in cockroach or locust and a vertebrate representative
- 9. Study of excretory system in an invertebrate and a vertebrate representative
- 10. Study of nutritive canal in an invertebrate and a vertebrate representative
- 11. Study of male reproductive system in an invertebrate and a vertebrate representative
- 12. Study of female reproductive system in an invertebrate and a vertebrate representative.
- 13. Study of hormonal influence of a reproductive function
- 14. Study of preserved advanced stages of avian and mammalian development for amniotic membranes and placenta

Recommended Books:

- 1. Miller, A.S. and Harley, J.B., 1999 & 2002. ZOOLOGY, 4th & 5th Edition (International). Singapore: McGraw Hill.
- 2. Hickman, C.P., Roberts, L.S. and Larson, A., 2001. INTEGRATED PRINCIPLES OF ZOOLOGY, 11th Edition (International). Singapore: McGrawHill.
- 3. Pechenik, J.A., 2000. BIOLOGY OF INTERVEBRATES, 4th Edition (International). Singapore: McGraw Hill.

- 4. Kent, G.C. and Miller, S., 2001. COMPARATIVE ANATOMY OF VERTEBRATES. New York: McGraw Hill.
- 5. Campbell, N.A., 2002. BIOLOGY, 6th Edition. Menlo Park, California: The Benjamin/Cummings Publishing Company, Inc.

Recommended Books for Practical:

- 1. Miller, S.A., 2002. GENERAL ZOOLOGY LABORATORY MANUAL. 5th Edition (International) Singapore: McGraw Hill;
- 2. Hickman, C.P. and Kats, H.L., 2000. LABORATORY STUDIES IN INTEGRATED PRINCIPLES OF ZOOLOGY. Singapore: McGraw Hill.

مادة العربية الزائدة Arabic (Optional) Associate Degree in ARTS

Appendix 'A' (Outlines of Tests)

"اللغة العربية للباكستانيين" Paper

100 Marks

Appendix 'B'

Syllabi & Courses of Reading

Arabic (Optionl)

فهرست عنوانات

القسم الثاني: النصوص الادبية

القسم الاول: الحوار

القسم الثالث: القواعد العربية

القسم الاول: الحوار

لـ تحيات ٢ ـ تعارف ٣ ـ هـ ثن لا هـ الحوار بين الاستاذ و الطلاب (الف) ٢ ـ الحواربين الاستاذ و الطلاب (ب)

٤ الحواربين الاستاذ والطلاب (ج) لقاء ٩ مقابلة

٠١. في مكتب الطيران بالمطار !! الرحلة الدولية

٢! مع ضابط الجوازات ٣! مع مفتش الجمرك ١٠ استقبال

١٤ انا مشغول ١١ في المطعم ١٤ الطعام العربي ١٨ غداء

19. في الفندق ٢٠. اجهزة الاعلام ٢١. المكالمات التيليفونية

٢٢ السوال عن الطريق ٢٣ في دكان الملابس

القسم الثاني: النصوص الادبية

النثر العربي:

ا. من هدى القرآن الكريم ٢. من اقوال النبي عليه

٣ المسلمون ١٦ الامة الاسلامية ٥ اهل الخير

٢- الاسلام دين التعاون ٤- الضيف الأكول

٨ سيدنا عمر بن الخطاب ٩ آمنة ام النبي علا

المن ضرب الامثال

الشعر العربي

٢ الحب ٣ اليمامة و الصياد

متنزل الرحمات

الجدة

٥ الرفق بالحيوان ١ ام تغنى طفلها عندالنوم

القسم الثالث: القواعد العربية

ا. الكلمة و اقسام الكلمة ٢ الاسم و انواعه (من حيث العددومن حيث الجنس) ٢ الفعل و انواعه (الفعل الماضي و ص

٣. الجملة الاسمية و قواعدها ٥. الجملة الفعلية و قواعدها

١. الفرق بين الجملة الفعلية و الاسمية ٤. المجرد و المزيد

Recommended Books:

اللغة العربية للباكستانيين: از ذاكثر محمد اعزاز الحسن شاه مطبوعه ازاد بك ثيو لامور

٢. اللغة العربية للباكستانيين: از أأكثر راحيله خالد قريشي مطبوعه ازاد بك ثيو الهور

٣. تعليم اللغة العربة للباكستانيين جامعه اسلاميه بهاوليور مطبوعه آزاد بك ثيو لا بور.

ASSOCIATE DEGREE IN ARTS Economics (Optional)

Appendix 'A' (Outlines of Tests)

Paper

Marks

100

Appendix 'B' (Syllabi and Courses of Reading)

Paper 1

(This paper consists of two sections. The paper setter is required to divide the question paper into two parts in such a way that 05 questions are set from each section. Candidates will be required to attempt at least two questions form each part).

Section I (Economics Theory)

Basic Economics concepts: Nature and function of every economic system. Nature and (1) scope of economic analysis. Economic terms. The major segments of economics theory. Micro-economics and macro-economics.

Micro-economics (Price Theory): (i) the Price of market mechanism. The influence of the (2) price system on resource allocation, consumption patterns and income distribution.

Determination of price by supply and demand. The assumption of perfect competition. The theory of demand and utility. Elasticity of demand and its measurement. The theory of cost and supply. Equilibrium of the firm equilibrium of demand and supply in the short-run and long-run periods.

(iii) Pricing of the productive factor. Wages, Profits, interest and rent.

Macro economic (income and employment theory): (i) Measurement of national income. (3)Concept of GNP, and NNP, Circular flow of national income. Three approaches to national income measurement, income at factor cost, income at market price and expenditure approach.

Determination of the national income and employment. Equilibrium level of national income, saving, consumption and investment schedules and their inter-section. Say's law of markets and its refutation by 'Keynes' general theory of employment- aggregate demand, aggregate supply, effective demand.

(iii) Consumption function. The propensity to consume. The multiplier and its calculation. Logical identity of saving and investment.

(iv) Investment as determinant of effective demand.

Determinants of investment. The marginal efficiency of capital. The accelerator and its interaction with the multipliers. The rate of interest and investment.

Economics, Statistics and Mathematics: (4)

Their growing relationship.

SECTION: II

Economics Planning in Pakistan

Economics Development through planning: The concept of measurement of economic development. The imperfections of market economy. The need and objectives of economics

Special features of Pakistan's economy: Primary production, population pressure, capital

deficiency, low income.

2.

Development Planning in Pakistan: A brief comparison of the First, Second and Third Five-3. Year plans with reference to their (a) size (b) objectives (c) strategies (d) programme priorities and (e) financial resources.

Strategic Sector of Pakistan's economy: 4.

Agriculture Its strategic position in economics set up, its contribution to GNP: the existing draw-back; measures to make agriculture a dynamic sector.

Human resources development-population as a dynamic factor in the economic (b)

development of Pakistan. Non-material capital formation.

Industries-Present industrial complex, Justification of industrial development of (c) Pakistan. Public, vs Private enterprise and industrial development. Industrial development and Structural changes in the economic development of Pakistan.

- Pakistan's export sector and economic development. Export promotion schemes. (d) Scarcity of foreign exchange. Trends in the terms of trade of Pakistan and their cases.
- A brief discussion of Pakistan's monetary and fiscal polices as reflected the Second and (e) third Five-Year plans.
- General review of the economic situation in Pakistan. Rate of growth of Pakistan's national 5. income. The contribution of various sector. Per capital income causes of inequality of income distribution.

Recommended Books:-

For section I:

Economics (McGraw-Hill Company, New York, Samuelson, P.A

1961)

A Text-Book of Economic Theory (Longman, Stonier, A.H. and Huage, D.C

London, 1964)

For section I:

Trade, Finance and Development in Pakistan, Adrus, J.R. and Mohammad, A.F.

(Karachi 1966)

Money and Banking in Pakistan (Karachi, 1966) Meenal, S.A. Qureshi, Al (ed.)

The Third Five Year Plan and Other Papers

(Rawalpindi, 1966)

Mahbub-ul-Haq The Strategy of Economic Planning - A Case

Study of Pakistan, (Karachi, Oxford University

Press, 1963)

First, Second and Third Five-Year Plans of Govt. of Pakistan

Pakistan Report of the Food and Agricultural

Commission (Karachi, 1960)

-do-Pakistan Economic Survey for the years 1963-64,

1964-65 and 1965-66.

Pakistan Budgets for the years 1964-65, 1965-66 -do-

and 1966-67.

ENGLISH LITERATURE (OPTIONAL)

Appendix 'A' (Outlines of Tests)

Marks 100

Paper:

Appendix 'B' (Syllabi and Courses of Reading)

Paper:

A Book of English Prose, edited by Dr. Imdad Hussain. The Mayor of Casterbridge by Hardy. As you like it (Shakespeare). 1.

2.

3.

ASSOCIATE DEGREE IN ARTS FINE ARTS (Optional):

APPENDIX A

(Outlines of Courses)

Paper:								• •		100 Marks
APPENDIX 'B'										
	(Syllabi and Courses of Reading)									
Paper:	History of	Indo-Pak	istan Ar	chitectu	re.					
	Imperial S	tyle Shah	abuddir	n Ghori t	o Aurang	zeb, 1186	AD, 1605	AD		
			OR							
	History of	Indo-Pak	Paintin	g.						
	Pre-Mugh	al		• •	• •	• •		School) School)		
	Mughal						(Mugha	l School		•
	Post-Mug	hal					(Pahari	School)		
			OR							
	History of	Indo-Pal	c Sculpti	иге.						
		Indus Val Buddhisn								
Books	recommen	ded:				\ •				
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	Indus Va The Bud	rchitectur t Monume f Fine Art niatures ok of Muh t f India ar inting	ents s in Indi ammad ad Pakis zation of Ghano	a and C Art tan	eylon		1. 2. 3. 4. 5. 6 7. 8. 9. 10. 11. 12.	Dr. A. M. Idr Muhar Vince Basil Dr. M. K. Bh. Sir Le Percy Sir Mo Sir Jo Depa	nt Smith Gray . S. Diam arata lyei igh Astor Brown ortimer W hn Marsh	aii Ullah Khan, T.I. and r n /heelar nall Archaeology
14.	Indian So	culpture				:	14.	S. Ka	rmisch, L	ondon.

ASSOCIATE DEGREE IN ARTS GEOGRAPHY (OPTIONAL)

Appendix 'A' (Outlines of Tests)

Paper: General Geography of Pakistan

100

Appendix 'B' (Syllabi and Courses of Reading)

Paper: General Geography of Pakistan:

General Geography of Pakistan under the following heads:-

- (i) Relief
- (ii) Climate
- (iii) Natural Vegetation
- (iv) Irrigation
- (v) Agriculture
- (vi) Minerals
- (vii) Power Resources

Books Recommended:-

Kazi, S. Ahmad, Press, Karachi. A Geography of Pakistan, Oxford University

ASSOCIATE DEGREE IN ARTS HISTORY (OPTIONAL)

Appendix 'A' (Outlines of Tests)

Paper:

Marks

History of Islam from the Holy Prophet to 1258 (Excluding the Provincial Dynasties)

100

Appendix 'B' (Syllabi and Courses of Reading)

Paper:

History of Islam from the Holy Prophet to 1258 (Excluding the Provincial

Dynasties)

Books Recommended:-

1. Hamid-ud-Din

Inayat Ullah
 Muhammad Iqbal

4. Abdul Qadir and Shuja-ud-Din

5. Fayyaz Mahmud

Tarikh-l-Islam (Urdu)

Tarikh-I-Islam (Urdu)

Daastan-I-Islam (Urdu)

Tarikh-I-Islam, Lahore (Urdu)

History of Islam, Lahore.

ASSOCIATE DEGREE IN ARTS HOME ECONOMICS (OPTIONAL)

APPENDIX A

(Outlines of Courses)

Paper: .		Marks 100	
	APPENDIX 'B'		
	(Syllabi and Courses of Readin	ing) Marks	
Paper:			
(a)	Child Development Family Relations:-		
	(1) Introduction to the study of family life:- (a) Meaning of Family Relations and Child Dev Economics Status conferring factors in rela (b) A brief account of different stages of the fa	ations with the family.	
	(2) The child and his parents:- Parental development – environmental influence baby.		
	(3) Family Interaction:- Adult Behaviour and Personality – Basic Trust, Death, Divorce Discretion in view with the social	Care of Family Crisis – Illness – ial and cultural analysis.	
(b)	Clothing:	25	
	(1) (a) Selection of clothes in accordance with pe art, principles and elements in mind; colour	ersonal characteristics: keeping the ur, line, design, fabric texture.	
	 (2) Care and storage of clothing: (a) Influence of the physiological and economic clothing. (b) Stain Removal. (c) Seasonal Storage – Silk, wool and synthetic 	etics.	
(c)	Food and Nutrition:	25	
	 (1) Definition of Food and Nutrition. (2) Functions of food – (a) Energy yielding foods, (Protective foods. 	(b) Body building foods (c)	
	(3) Sources and functions of nutrients – carbohydr vitamins.	Irate, fat, protein, minerals and	
,	(4) Nutritive value of foodstuffs – cereals and mille poultry, fruits and vegetables, milk and milk prooil, carbohydrate foods, condiments and spices	roducts, nuts and oilseeds, fats and es.	
	 (5) Effects of cooking on the nutritive value of food (6) Requirements of dietary essential principles of breakfast, lunch and supper for children, adults 	of meal planning. Planning menu of	
(d)	Home Managements:	25	
	 Home Management – its importance in the hor Steps of management – planning, controlling a Ways of improving standard of living by good r Money management – techniques. Budget purposes; making budgets according Equipment in the home; evaluation of equipm Care and storage of home equipment, develo 	and evaluation. management of family resources. to various levels of income. nent pieces and their comparisons.	! •

ASSOCIATE DEGREE IN ARTS International Relations (Optional)

CONTENTS:

- The Nature and Evolution of International Relations.
- The Nature and Development of Modern State-System.
- Sovereignty and National Interest.
- Colonialism, Imperialism, Neo-Colonialism and Nationalism.
- National Power. Elements of National Power.
- Balance of Power and Deterrence.
- Foreign Policy: Determinants and Objectives.
- Diplomacy.
- International Law.
- 10. Economic Aspects of International Relations
- 11. The Concept of War and Peace in International Relations.
- 12. New Trends in International Relations.

REQUIRED TEXT.

- 1. Columbus, Theodore, Introduction to International Relations: Power New Delhi: Prentice-Hall, 1992.
- Kegley, CharlesW. Jr., & Wittkopf, Engene R., World Politics: Trend & Transformation. (4th ed.) New York: St. Martin's Press, 1993.
- Papp, Danial , Contemporary International Relations. (3rd ed.), New York: Macmillan, 1990.

Further Suggested Readings:

- 1. Aaron , Raymond, Peace and War. Theory of International Relations, Melbourne: :Kreiger Pub. 1981.
- Bull, H., & Watson, A., The Expansion of International Society. London; Oxford University
- Caplin, William D., Introduction to International Politics. Englewood Cliffs: Prentice-Hall, 1980.
- Deutsh, K. W., <u>The Analysis of International Relations</u>. Englewood Cliffs: Prentice-Hall, 1978. Frankal, Joseph, <u>International Relations in a Changing World</u>. (4th ed.), New York: Oxford University Press, 1991.
- Goldstine, Josha S., International Relations, Washington D.C., Harper Collins, 1992. Hartman, Fredric, The Relations of Nations. (6th ed.), New York: Macmillan, 1983.
- Hass, Ernest B., & Witing, Allen S., Dynamics of International Relations. New York: McGraw-Hill, 1956.
- Holsti, K.J., <u>International Politics: A Framework for Analysis.</u> (7th ed.), Englewood Cliffs, :: Prentice-Hall, 1995.
- 10. Palmer, Norman D, & UInternational Relations. Parkins, Howard C., New York: Houghton Mifflin Co., 1994.
- 11. Morgenthau, Hans J., Politics Among Nations: The Struggle for Power and Peace (7th ed.), : New York Knopf, 1985.
- 12. Rosen, Steven, J., The Logic of International Relations. (3rd ed.), Cambridge: Winthrop,
- 13. Reynolds, P. A., An Introduction to International Relations. (2nd ed.), London: Longman, 1980.
- 14. Schuman, Frederick, International Politics. New York: Mc Graw-Hill, 1969.
- 15. Wright, Quincy, The Study of International Relations. New York: Irvington Pub. 1986.
 16. Zeigler, David, War, Peace and International Politics. (6th ed.), Boston: Little, Brown and Co, 1993.

اسلاميات آ چنل

Appendix 'B'

(Islamic Studies Optional)

(Syllabi and Coures of Reading)

- (a) (i) Revelation, compilation and preservation of the Holy Qur'an, Maccan and Medinite Suras, I-jaz-al Qur'an.
- (ii) Al-Qur'an: Surat-ul=Fateh and Surat-al-Hujrat (Chapters 48 and 49).
- (b) Islamic History Khilafat-e-Rashida, according to the following outlines:

Hazrat Abu Baqar - his life, Character, policy and achivements

Hazrat Umar - his life, character, policy and achievements.

Hazrat Usman - his life, character, policy and achievements.

Hazrat Ali, his life, character, policy and achievements.

Characteristis of the Khilafat-e-Rashida, and its religious and cultural achievements.

(Details of battles are excluded).

10 نمبر	تغارف قرآن مجير (دويس سے ايك موال كرناہے)	_1
بنر 40 = 20+20	قرآن مجيد كے سليس مے مرف رجم (ننن ميں سے دواجزاء طل كري)	_2
20 = 10+10 نبر	قرآن مجید کے سلیس سے ترجمہ وقشر آ (دوش سے ایک جزومل کریں)	_3
30 = 15+15 نبر	خلفائے داشدین کی سیرت وکردار پرسوالات (چاریش سے دوسوالات حل کرنے ہیں)	_4
کل نمر: 100 نمس		

Journalism (Optional)

Outlines of Test

Marks: 100

Paper:

What is Journalism? Importance of Journalism in relation to society. How a newspaper is produced from collection of news upto the preparation of copy printing?

Role of advertising in the life of a newspaper and society.

Description of the Pakistan Press.

Books Recommended

Fann-i-Sahafat by Dr. Abdus Salam Khurshid and (use relevant chapters)

SUBJECT: LIBRARY SCIENCE ASSOCIATE DEGREE IN ARTS (ELECTIVE COURSE) (Optional COURSE)

Revised Contents/Outline:

7- Introduction to Libraries

Definition and Objectives of Libraries
Types of Libraries

Various Sections of Libraries

Importance of Libraries in education and society

Qualities of a Good Library User

8- History of Books and Libraries

History and Origin of Libraries Some important Libraries of Pakistan

9- Library Material

- A) Printed: Books, Periodicals, Newspapers, Reports, Thesis
- B) Non-Printed materials: Manuscripts, Audio Visual materials, Microforms, Motion Pictures, Floppy Disk and CDs

10- Classification

Meaning and definition of classification Introduction to Dewey decimal classification scheme 1st Summary of DDC

Call No: An introduction

5. Acquisition of Library Material: Meaning and Definition

Principals of Books selection

Book Selection Tools

Accessioning of library printed material (Accession Register).

6. Cataloguing

Meaning and definition of cataloguing
Use and purpose of cataloguing
Kinds and forms of cataloguing

7. Reference Sources and Services

(a) Printed Sources

Dictionaries –Encyclopedia –Bibliographies
Directories –Periodicals – Geographical Sources

(b)- Electronic Sources

Databases

CDs,

Website

Internet

E-mail

8. Computer in Libraries

Introduction to Computers Components of Computer Use of Computer in Libraries



MATHEMATICS (OPTIONAL)

(Outlines of Course)

Paper: (Algebra ½ and Calculus ½)

Marks = 100

i) Algebra (½)

Introduction to Number System, Algebra of Matrices and determinants of order 2x2, 3x3, Addition, subtraction of matrices, scalar multiplication and multiplication of matrices, singular and non-singular matrices, adjoint and inverse of matrices.

Solution of equations by using matrices and Cramer's Rule.

Determinants:

Minor and co-factor of an element of a matrix in its determinants. Determinant of a square matrix of order 2x2 and 3x3 properties of determinants.

Quadratic Equations:

Some polynomial functions, Remainder and Factor Theorem, Synthetic Division, Relation between Roots and co-efficients of a quadratic equation. System of two equations involving two variables. Arithmetic, Geometric and harmonic sequences. Arithmetic Series, Geometric Series, Infinite Geometric Series.

Trigonometry:

Fundamentals of Trigonometry and Trigonometric identities.

ii) Calculus and Analytic Geometry (1/2)

Limit, Continuity (Simple Cases), Differentiation and Integration (Simple Cases), Differential equations (Variables separable). Introduction of a vector. Simple cases of dot and cross product of vectors.

Note:

Mathematics (Optional) means Mathematics General (Optional), A-Course of Mathematics (Optional) or B-Course of Mathematics (Optional).

Persian (Optional)

Appendix-A

	Marks	
1. Gulistan (Prose). Translation of the passeges into Urdu	25+20 = 45	
2. Payam-i-Mashriq (Poetry). Translation and expalantion of the passeges into Urd	u 25+20 = 45	
3. General Question on the life and works of the author/poet and		
a critical appreciation of their works included in the syllabus.	10	
Appendix-B	A 1	
Books recommended:		
	گلزارادب مطبوعه پنجاب یو نیور ٹی لا ہور	_1
	گلزارادب گلستان سعدی باب اول درسرت پاوشابان کی میری 20 حکایات	-2
	پیامشرق از علامه جمرا قبال کی درج ذیل نظمیں ۔	_3
vi - حکمت وشعر vii - کرمک شب وتا ب	ا قُصْل بهار الدندگی الاسرودانجم v نصیم v کرم کابی iiiدعدی ix کاوره ما بین خداوانسان x ماگرخوای حیات الارخوا	
رزی ix_زعرگیوعل ixii_الملک لله	iii ـ حدی X محاوره ما بین خداوانسان X _ اگرخوای حیات اندر خط	

ASSOCIATE DEGREE IN ARTS PHILOSOPHY (OPTIONAL)

Appendix 'A' (Outlines of Tests)

Marks

Paper:

100

Appendix 'B' (Syllabi and Courses of Reading)

Paper:

- 1. Nature, scope and function of Philosophy.
- 2. Greek thought from Thales to Aristotle.
- The Modern Age Descartes.
 System Builders Spinoza, Leibnitz Kant.
- 5. Knowledge and the sources of Knowledge Lock, Berkley and Hums.
- 6. Compromise Rationalism and Empiricism.
- 7. Future of Philosophy.

Books Recommended:

Hector Hawton: Philosophy for Pleasure (Chapter 1-7 and last), Fawestt Words Library, 67 West, 44th Street, New York, New Yorks.

POLITICAL SCIENCE (OPTIONAL)

(Syllabi and Courses of Reading)

Total Marks

Political Science Paper:

100

Section 'A' Political Theory

60

Section 'B' Constitution of Pakistan

40

Paper: **Political Science:-**

Section A: **Political Theory:**

- The Nature and Scope of Political Science, its relations to other Social Sciences, fields of specialists within Political Science; Political Theory; Political Dynamics; International Relations; Comparative Governments and Public Administration Goals and uses of Political Science and the Problems of the study of Political Science in the modern times.
- Its essential elements, nature and definition, distinction between 2. The State: state society, Government, nation and nationality.
- Theories of the State: 3.
 - Theories concerning origin of the State (briefly): purpose and end of the state.
 - Concepts of Sovereignty, its Meaning and Attributes, including the ii) Islamic Concepts of Sovereignty.
 - The Functions of the State.
- The State and the Individual:
 - Rights; Theory of Natural Rights; Political and Civil Rights; Rights and i) Responsibilities.
 - Liberty, its meaning, Liberty and Equality, Adjustment of Liberty and ii) sovereignty.
 - Law, Definition and Nature, the Sources of Law, Law and Morality, Law and Opinion, the Administration of Justice, and judiciary.
- Organization of the State. 5.
 - Unitary i)

ii)

- Federal, distribution of powers in the Federal System.
- Other (Confederations, Unions, etc) (iii)
- Forms of Government and their characteristics.
 - Monarchy, absolute and Constitutional Democracy and Concept of Democracy public in Islam.
 - Representative Government Parliamentary and Presidential Systems ii) Separation of Power.
 - Dictatorship Characteristics and Various Types. iii)
- Election and the Party System. 7.
 - Political Parties Definition, Party functions. Types of Party System, i) Two party system and Multi-party system
 - Director Legislation: Initiative, Referendum, Recall and Plebiscite.
- 8. Modern Political Thought.

Individualism, Socialism, Communism, Idealism, Fascism.

Section B: **Constitution of Pakistan**

- Salient features of the Constitution of Pakistan i)
- Presidency. ii)
- National Assembly; Provincial Government; Judicial System; iii) Fundamental Rights; Basic Democracies.

Books Recommended:-

i) ii)	Rodee, Anderso Christal C.E.M. Joad	on and	Introduction to Political Science, New York: McGraw-Hill, (lates ed.) Modern Political Theory, London: Oxford University Press, Amen House, E.C. 4, 1960
iii)	Roger, H. Saltau		An Introduction to Politics, New York: Longman Green and Co. New York
iv)	H.J. Laski		A Grammer of Politics London: Allen and Unwin.
v)	R.M. Maciver		The Modern State, Oxford University Press.
vi)	H.J. Laski		State in Theory and Practice, London: Allen and Unwin.
vii)	Coker		Recent Political Thought, New York: McGraw-Hill.
viii) ix)	M. Rafi Anwar Z.A. Sulari		Presidential Government in Pakistan. Politicians and Ayub.

ASSOCIATE DEGREE IN ARTS PSYCHOLOGY (OPTIONAL)

Appendix 'A' (Outlines of Tests)

	,	Total Marks
Paper:		100
	Appendix 'B' (Syllabi and Courses of Reading)	
Paper:		
	 Definition, subject matter, Scope and methods. Sensation, Sight and Hearing. Perception. Learning. Individual Differences. Memory and Imagination. Feeling and Emotion, Motivation-Violation. Personality, Development, Factors of Personality. So Aspects. 	ocial and Physiological
Books	Recommended:-	
	Psychology – A study of Mental Life. Woodworth, F	R.S.
	Nafsiyat by C.A. Qadir	

Note:- Students who have taken Psychology in B.A as an elective subject cannot take up the subject of Psychology (Optional).

PUNJABI (OPTIONAL)

APPENDIX "A"

Outline of Tests

	نمبر	100	بهكال	ادبي	آ پھنل	-21	
			APPENDE	X "B"			
			SYLLABI & COURS	ES OF READING			
100 نمبر			آ چنل			7.2.4	ŕ
			•			تفريح	
			30=2x15=3+3+9 ثمر	ماعردانان+ نظم واسرناوا <u>ن</u>		عم :	_1
			30=2x15=3+3+9 ثمير	لکھاری داناں+ سبق داسرناواں ر		نثر	_2
				ا نواں+ پنجی+ پاکستان دی <i>تر یک تے ہ</i> و س			
			وچ قرق به	. پکیاں سرکاں+اد بی نے غیراد بی لکھتاں ^	مر ہول دے پیش تے		: (A: (1 0
		10 نمبر		انوال+ پ ^ئ تی+بس داسفر +سر ہوں دے		ين واحلاصه	3-إكنثري
		2.0	چ <i>ن کے پایال کڑ</i> کال	الوال++ ی+ ن داشتر + سر ہول دیے	چپ حادث در پر چھ	رکزی خدال	4_إكنظم وام
		10 نمبر	4 کچه کرو 4 مکهواهٔ که 4 راد تروین	ب تیری یاد + کھیڈ لے + جین کئی جتن ۔	کیجراسور ج+جاند کی کی	2020)	s ₁ = ,c.
			. پلا رزه کارد تا پارت دین		اج کید <u>پاک</u> ے۔ اج کید <u>پاک</u> ے۔		
		20 نمبر			* ***	<u>با</u> بىر جمە	5_اردوتوں پنج
			Text Book	k (Prescribed)	(0)	·\$.)	نصابی کتاب
							اد ني مبڪان
			بياز كمك (دير)	ڈ اکٹرش		:	مرتبين
			_ذا كشرسيداخر جعفري				
			تر_نوراحمة ثاقب	· .			
			_ ڈپچاردو با زارلا ہور	रहर		:	يبلشرز

SOCIAL WORK (OPTIONAL)

Appendix 'A' (Outlines of Tests)

Paper:		Total Marks 100
	Appendix 'B' (Syllabi and Courses of Reading)	
1.	Introduction:-	
	Definition of Social Work. Concept of voluntary and professional Social Work.	
2.	Basic Concepts / Principles:-	
	i) Worth and dignity of the individual. ii) Self help. iii) Self determination. iv) Confidentiality. v) Participation.	
3.	Introduction to Basic Methods of Social Work:-	
	i) Case Work. ii) Group Work. iii) Community Development.	
4.	Fields of Social Work:-	
	i) Child Welfare. ii) Youth Welfare. iii) Women Welfare.	
5.	Important Social Problems:-	
4	i) Beggary. ii) Over Population. iii) Drug Addiction etc.	

ASSOCIATE DEGREE IN ARTS SOCIOLOGY (OPTIONAL)

Appendix A (Outlines of Courses)

			Total Marks
Paper:			100
		Appendix B (Syllabi and Courses of Ro	eading)
Paper:			
1.	Introd	duction:-	
	i) ii) iii)	Field of Sociology. Sociology as a science. Sociology and other Social Sciences.	
2.	Basic	Concept:-	
	i) ii) iii) iv) v) vii) viii) ix)	Interaction. Norms and Sanctions Status and roles. Values and Beliefs Institutions Social structure Groups Social organizations Society	
3.	Cultu i) ii)	Elements of Culture. Cultural Processes.	
4.		alization and Personality Developments:-	
5.	i) ii) Proce i) ii)	Biological foundations of personality. Cultural background of personality. esses and Social Change: Co-operation, competition and conflict. Social Change: determinants, deterrents,	and consequences of change.
Text B	ooks:-		
	i)	Chaudhry Mohammad Iqbal, and Mushtaq Ahmad Khan	Sociology: An introduction, Lahore, Noorsons, 1966.
	ii)	Young, Kimbal, and Raymond W. Mack	Sociology and Social Life New York: American Book Company, 1959.

ASSOCIATE DEGREE IN ARTS Statistics (Optional)

Outlines of Tests

Paper: (Written) Time – 3 hours 100

Syllabi and Courses of Reading

Paper: (Written)

1. Introduction

Definition, Characteristics and limitations of statistics, Collection, classification and tabulation of data.

2. Graph and Diagrams

Bar and pie diagrams. Graphs of frequency distribution viz. Histogram, frequency polygon, frequency curve, cumulative frequency curve, Graphic interpolation.

3. Averages

Elementary knowledge and numerical illustrations of arithmetic mean, median mode, and weighted average. Smoothing of fluctuations by moving average method.

4. Dispersion:

Elementary knowledge and numerical illustrations of range, fractiles, quartile deviation, standard deviation, co-efficient of skewness and co-efficient of variantion.

5. Attributes and Chi-Square:

Concept of attribute, idea of independence and association, dichotomy, co-efficient of association, contingency table. Chi-square.

6. Correlation:

Concept of regression, simple correlation and rank correlation with numerical illustrations.

7. Sampling:

Concept of sampling. Definition of population and sampling unit. Purposive and random sampling. Drawing of a random sample without replacement from finite population.

Books Recommended:

- Zia-ud-Din, M., Practical Statistics with Fundamentals of Theory, 8th edition, The Punjab Educational Press, Lahore.
- 2. Chambers, E.G., Statistical Calculations for Beginners. Cambridge University Press, London.

نصاب (أردوآ پشنل)

نصاب كاخاكه

معروضی حصہ حصنظم اورنٹر کے حوالے سے مختصر سوالات کے جوابات ۲۰ نمبر

ھ نے

تشرق ومطالب ۱۵ نمبر عارف اصناف نشر کانمبر انمبر عارف اصناف نشر مصنف مصنف مصنف مصنف ان المبار المبار

ا- تشری شعر ۱۵ منبر ۲- تعارف اصناف شعر ۱۰ منبر ۳- تعارف شاعر ۵نبر

حصه بيان وبديع

ا۔ تشبیہ استعادہ ۱۰ نبر کابیہ کانمبر کابی کنابیہ کانمبر صنعت تضاد ۱۰ نمبر صنعت تضاد ۱۰ منبر صنعت تعلیل صنعت تعلیل صنعت تعلیل

۵۵ ش
کل نمبر ۱۰۰
۵۵ ش
۵۵ ش
نصاب کی تفصیل
حصہ نثر

	لقاب في الم		
	حصه نثر		
(باغ دبہارے اقتباس)	ميرامن دہلوي	قصه خواجه سگ پرست کا	_1
غارمیں ڈال کراپئی خاطر جمع کرکے پھرے)	(تب تو أس مرد نے قدم بڑھا كر		
(ناول''آنگن'ے اقتباس)	خد يجمستور	پاکستان بن گیا	_٢
(افسانہ)	سعادت حسن منثو	نيا قانون	٣
(افسانہ)	غلام عباس	بإمبے والا	-ام
(افسانہ)	ڈاکٹررشیدامجد	بگل والا	_۵
(طنزومزاح)	پطرس بخاری	ميبل اور ميں	٢_
(طنزاورمزاح)	مشاق احمد يوسفي	پڑیے گر بیار پڑیے گر بیار	_4
(انثانی)	غلام جيلاني اصغر	تسخير كائنات	_^
	حصيشعر		
		<u>ت:</u>	غزليار
	(ہستی اپن حباب کی ہے)	میر تقی میر	_1
(2	(بازیچهٔ اطفال به دنیامیرے آگ	اسدالله خال غالب	_٢
	(اژاس کوذرانبیس ہوتا)	مومن خان مومن	_٣
	(دیکھنا بھی تواہے دور سے دیکھا کرنا	حسرت موہانی	۳
	(نے کپڑے بدل کرجاؤں کہاں اور	ناصر کاظمی	_۵
			نظمیں:
	برسات کی بہاریں (یا پنج بند)	نظيرا كبرآ بادي	_1
	مردمسلمان	علامه محمدا قبال	_٢
	روسیان مجھے سے پہلی سی محبت	فیض احرفیض فیض احرفیض	_#
	• •	-	
	آ ٹوگراف -	مجيدامجد	-ام
	ہمیشہ دیر کر دیتا ہوں میں	منبرنیازی	_۵