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Answer Sheet No: _____

Sig. of Candidate: _____

Sig. of Invigilator: _____

**Federal Board SSC-I Examination
General Science Model Question Paper**

SECTION – A

Time allowed: 20 minutes

Marks: 15

Note: Section-A is compulsory. All parts of this section are to be answered on the question paper itself. It should be completed in the first 20 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Q.1 Encircle the correct option i.e. A / B / C / D. All parts carry equal marks.

- i. Physics is a branch of science that deals with the physical properties of matter and
A. Water B. Energy
C. Waves D. Power
- ii. Which of the following Pakistani Scientist work(ed) in the field of Missile technology?
A. Samar Mubarak Mand B. Atta ur Rehman
C. Abdul Qadeer Khan D. Ashfaq Ahmed Khan
- iii. Percentage of oxygen element in the human body is:
A. 65% B. 18%
C. 10% D. 50%
- iv. Which of the following plays an important role in the energy release during cellular metabolism in plants?
A. Iron B. Phosphorus
C. Magnesium D. Calcium
- v. Which of the following gases is responsible for fermentation?
A. Oxygen B. Nitrogen
C. Carbon dioxide D. Hydrogen
- vi. Aids is caused by:
A. Virus B. Bacteria
C. Fungus D. Plasmodium
- vii. All the following methods are used to cure cancer **EXCEPT**:
A. Chemotherapy B. Surgery
C. Radio therapy D. Hydrotherapy
- viii. Which of the following is a liver disease?
A. Influenza B. Measles
C. Hepatitis D. Polio
- ix. Which of the following is a widely used pollution free form of energy?
A. Sound B. Heat
C. Wind D. Electricity

DO NOT WRITE ANYTHING HERE

- x. 1 calorie is equal to _____ Joules.
A. 42 B. 4.2
C. 0.42 D. 420
- xi. Which of the following is a non-renewable energy source?
A. Solar energy B. Oil and gas
C. Nuclear energy D. Wind energy
- xii. Energy stored in Dam water is:
A. Potential Energy B. Chemical Energy
C. Kinetic Energy D. Electrical Energy
- xiii. What is used to convert AC into DC?
A. A diode B. A radio
C. A television D. A microprocessor
- xiv. During the process of digestion of food the proteins are broken down in to _____ in the presence of Proteolytic Enzymes.
A. Sugar B. Glycerol
C. Energy D. Amino Acids
- xv. The camera tube converts the visual signals into _____ signals.
A. Electrical B. Sound
C. Heat D. Radio

For Examiner's use only:

Total Marks:

Marks Obtained:



Federal Board SSC-I Examination General Science Model Question Paper

Time allowed: 2.40 hours

Total Marks: 60

Note: Attempt any twelve parts from Section 'B' and any three questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION – B (Marks 36)

Q.2 Attempt any **TWELVE** parts from the following. All parts carry equal marks. ($12 \times 3 = 36$)

- i. Write down the role of telescope in the field of Astronomy.
- ii. Discuss the contributions of Dr. Abdul Qadeer Khan in the field of Science
- iii. Differentiate between Botany and Zoology.
- iv. Why ice has lower density than the water?
- v. Give any three uses of sodium in daily life.
- vi. Write the at least three uses of chlorine in daily life
- vii. How are Calcium Oxide, Calcium Carbonate and Calcium Sulphate useful for us?
- viii. What precautions may be adopted to control the ringworm?
- ix. Write three identification symptoms of cancer.
- x. Explain Biological, inherited and social factors of mental disorder.
- xi. Write down the adverse effects of heroin on the human body.
- xii. What are the three main types of Hepatitis? How do they affect the immune system of the patient?
- xiii. Discuss briefly the parts of heating system of 'solar house heating plants'.
- xiv. What are the three main requirements of conservation of energy?
- xv. What is the relation between work and energy?
- xvi. Differentiate between N-type and P-type semiconductor.
- xvii. Briefly discuss the process of modulation of radio waves.
- xviii. Draw the circuit diagrams of forward biased and reverse biased diode.

SECTION – C (Marks 24)

Note: Attempt any **THREE** questions. Each question carries equal marks. ($3 \times 8 = 24$)

- Q.3** How is the growth of scientific process divided into four periods? Discuss in detail.
- Q.4** Describe the types of iron depending upon its purity and impurities, tabulate your answer.
- Q.5** What are the effects of Smoking on human body?
- Q.6** Write notes on the following
- a) Energy from Biomass
 - b) Cable Television