

# 9<sup>th</sup> General Science Guess Paper 2025

These guess papers are prepared according to the new paper pattern 2025 issued by the board and based on SLOs.

Your exam paper will be divided as follows:

- 25% Conceptual
- 75% Knowledge-Based
- 25% Analytical + Application-Based

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## Most Important Short Questions

### Question # 2

#	Question
1	Define scientific method
2	Define Geography
3	Define Zoology.
4	Define Era of Islamic chemistry.
5	Define physics. Write down two name of its branches.
6	What is Physics? Write down the names of its important branches.
7	Write the any two contributions of Bu Ali Sina in the field of Science.
8	Write two important works of Al-Razi.
9	Write the scientific work of Al-Bairuni.
10	Write two contributions of Jabir Bin Hayyan.
11	What is Astrophysics?
12	When and where Al-Baruni was born?
13	Define Technology
14	Write the difference between Botany and Zoology
15	Define chemistry.
16	What is astronomy?
17	Write the name of any two books of Jabar Bin Hayyan.
18	Differentiate between biochemistry and biophysics.
19	What is Physics? Write down the names of its different branches.
20	Define Photosynthesis.
21	In which groups Muhammad Bin Zikrya Al Razi classified the chemical substance? Write their names.
22	What was the theory of Dr. Abdus-Salam for which he was awarded noble prize?
23	Write down translation of two Ahadees on knowledge.

24	What is technology? Write down some examples of old age technologies.
25	Razi divide Al-Razi divided chemical substances into how many groups?
26	Write names of two books of Bu Ai Sina.
27	PVC? Write its one use. What is
28	Write the uses of Magnalium and Duralumin.
29	Write the names of any four rare gases.
30	Describe Nitrogen cycle.
31	Describe two properties of water.
32	Write two uses of electricity.
33	Write two uses of sodium.
34	What is meant by carbon cycle?
35	Write two uses of Charcoal.
36	Write two uses of iodine.
37	Write equation of respiration.
38	Write the uses of Neon and Argon.
39	Write the uses of Ethene gas.
40	What is allotropy?
41	What is the effect of increasing temperature on the solubility of gases?
42	Define allotropy and what are allotropic forms?
43	Write down two compounds which contain carbon but they are inorganic compounds.
44	Write down the uses of graphite.
45	Give two examples of ancient technology.
46	Write down two properties of water.
47	What is meant by Hydrocarbons?
48	Write four uses of rare gases.
49	Write two uses of helium.
50	Define Nitrogen cycle.
51	Write the names of any four important elements for life.
52	How is Iodine Tincture formed?
53	Define Carbohydrates.
54	Write two properties of Nitrogen.
55	What are bucky balls? Write its uses.
56	Write two uses of phosphorus.
57	When and where Muhammad Bin Zikrya Al-Razi was born?
58	Write two uses of phosphorus.
59	Write name of two allotropic forms of carbon.
60	When and where was Dr. Abdus-Salam born?
61	What is the difference between Bio-physics and Geo-physics?
62	Write two books of Bu Ali Sina.
63	Write the names of two Muslim scientists.
64	Describe the importance of Hydrogen.
65	What did Al-Bairuni say about Sindh valley?
66	Write the names of two Pakistani scientists.
67	Name the Gas present in Hot Sun.
68	What is meant by agriculture?

69	Write the chemical equation of photosynthesis.
70	Write two functions of bucky balls.
71	What is meant by anabolic and catabolic chemical processes?
72	What is meant by scientific method?
73	Define Biophysics.
74	What is agriculture?
75	Write the complete name of Al Bairuni.
76	Muhammad Bin Zakariya Al-Razi, when and where was he born?
77	Write down any four properties of graphite.
78	What is the basic principle of science?
79	Write the definition of Photosynthesis.
80	Write two allotropic forms of carbon.
81	Write the four properties of graphite.
82	When and where did Pakistan perform nuclear test?
83	Define Biology.
84	When and where Dr. Muneer Ahmad Khan was born?
85	Write two advantages of computer.
86	Define Chemistry.
87	Write two advantages of electricity.
88	Define biology and write down the name of its two main branches.
89	How many books are written by Al-Bairuni? Write down the name of his famous book.
90	Where and when Al-Bairuni was born?
91	Write names of two books written by Bu-Ali-Sina.
92	Write down two contributions of Jabir Bin Hayyan.
93	Define Biology and write its two branches.
94	Write two Achievements of Jabir Bin Hayyan.
95	Who translated the book "Al-Chemia" and when?
96	What is the difference between biophysics and geophysics?
97	Write down two contributions of Ibn-ul-Haitham in the field of science.
98	Differentiate between Biology and Chemistry.
99	What is nitrogen cycle?
100	Differentiate between Geophysics and Astrophysics.
101	Write down achievements of Dr. Samar Mubarak Mand.
102	What was the complete name of Al-Bairuni and where he was born?
103	Which Theory was put forwarded by Dr. Abdus Salam?
104	What is meant by substrate?
105	Describe the source of charcoal.
106	What is polyvinyl chloride? For what is it used?
107	Write two uses of iron.
108	Which things are required for burning process?
109	What is percentage of rare gases in air
110	Define respiration.
111	What are Allotropic forms?
112	Which processes are responsible for the constant percentage of oxygen and carbon dioxide in air?

113	Write two uses of Diamond.
114	Define Allotropy and Allotropic forms.

### Question # 3

#	(Chapter 3 + 4)
1	What is meant by substrate?
2	What is meant by Enzymes?
3	What is meant by recycling?
4	What are adipose Tissues?
5	Define Osteomalacia.
6	What is transgenic organism?
7	Write four names of blood groups.
8	Which tissues store fats in human body?
9	What is meant by assimilation.
10	Write four roles of genetic engineering in agriculture and livestock.
11	What is night blindness.
12	What is meant by balance diet?
13	Define vaccines.
14	Write the names of four fruits from you get vitamin "C".
15	What are the basic components of food?
16	What is meant by ABO system of blood?
17	What is catalyst?
18	What is cloning?
19	What is the difference between digestion and assimilation?
20	What is meant by catabolism?
21	What are Transgenic Organisms?
22	What is the role of insulin in body?
23	What is meant by ABO system of blood?
24	What is meant by assimilation?
25	Define biochemistry.
26	What is Papain? Write its one use.
27	What is the difference between fats and oils?
28	Write the functions of insulin and glucagon.
29	Define digestion.
30	What are basic components of food?
31	What is the role of insulin?
32	What is meant by biochemistry?
33	Write down two uses of enzymes.
34	What is meant by protein metabolism?
35	What is sterilization?
36	Define biochemistry.

37	Define vaccines.
38	Write four roles of genetic engineering in agriculture and livestock.
39	Write down importance of enzymes.
40	Define Metabolism.
41	What is meant by food?
42	Describe the sources of vitamin C.
43	What is Goiter disease.
44	What is the role of water in our body?
45	Define Medicine.
46	What are the symptoms of dengue fever?
47	What are hormones?
48	What is meant by food?
49	Describe the sources of vitamin C.
50	What is Goiter disease?
51	What is diet for old people?
52	What is balanced diet?
53	Write down the uses of iron and calcium.
54	What are the basic components of food?
55	What is meant by energy?
56	What is DNA?
57	How does the virus of smallpox spread from patient to a healthy person?
58	What is meant by aging?
59	Write about diet for pregnant and feeding women.
60	How can we protect ourselves from AIDS?
61	What is Beri Beri?
62	What are amino acids and how many types of it?
63	What is meant by catalyst?
64	Define First Aid.
65	Describe the role of enzymes in our daily life.
66	Define antibiotics.
67	What is a catalyst?
68	Describe the functions of red blood cells and white blood cells.
69	What is the composition of nucleotide?
70	Why do we use vaccines?
71	Write any four sources of carbohydrates.
72	What is meant by a genome?
73	What is meant by genetic engineering?
74	What is meant by a transgenic organism?
75	Define herbicides.
76	What is genetic engineering?
77	What are nucleotides made of?
78	Write two uses of genetic engineering in agriculture.
79	Write the difference between Gene and Genome.
80	Define amino acids and how many types are there?
81	Write two names of hormones secreted by the pancreas.

82	Write down two safety measures after a snake bite.
83	Give the cause and effects of the disease called night blindness.
84	Write the names of four stages of human life.
85	What is meant by first aid?
86	Write down two properties of water.
87	What is the role of iron in our body?
88	What are the sources of proteins?
89	What are two types of lipids?
90	What are the sources of Vitamin A?
91	What are the sources of fats?
92	Write down the names of types of blood cells.
93	Write the causes and effects of the disease called night blindness.
94	Describe the importance of vitamins for the human body.
95	Write two sources of Vitamin A.
96	Write about the diet for pregnant women.
97	Describe the diet for old people.
98	Write down the uses of iron and calcium.
99	Write the characteristics of the infancy stage of human life.
100	Write down the name of two vitamins soluble in water.
101	Write any two functions of water in the human body.
102	Define the role of calcium in the body.
103	Write down two preventive measures for snake bites.
104	What is the role of insulin in the body?
105	What is aging and what are its effects on the body?
106	Write names of two diseases caused due to deficiency of vitamins.
107	What is the difference between oils and fats?
108	Define vitamins.
109	Why is Vitamin D necessary for our body?
110	What is meant by endocrine glands?
111	What is the role of iron in the human body?
112	What is the role of Vitamin B in the body?
113	What is meant by a balanced diet?
114	Write names of the stages of human life.
115	Which hormones are excreted by pancreas
116	Write two benefits of Water for Human Body.
117	Which Hormones are synthesized by Pancreas?
118	Write main Sources of Vitamin-K.

## Question # 4

#	(Chapter 5 + 6)
1	Define a carrier.

2	In which age child is injected against measles and why?
3	What is atmosphere and what is its thickness.
4	How can we prevent dengue from spreading?
5	Write name of mosquito that transmit the dengue virus.
6	Write down the names of two viral diseases
7	Why we call dengue Break Bone Fever?
8	How typhoid spreads from patient to others?
9	What is bronchitis?
10	How the virus of Hepatitis "C" is transmitted?
11	What is meant by hallucinogens?
12	Write two symptoms of polio.
13	When the child should get measles vaccination?
14	What are viral diseases?
15	What is AIDS?
16	Write some preventions of dengue fever.
17	Write two symptoms of malaria.
18	In which countries' laboratories is the virus of smallpox present?
19	Write the names of types of flu virus.
20	Write the symptoms of cholera.
21	How can dengue be controlled?
22	What is Ringworm?
23	How does malaria spread?
24	Write names of two parasitic diseases.
25	Write two advantages of wildlife.
26	What is global warming?
27	What is anemia?
28	Write any four symptoms of smallpox.
29	Define endangered species.
30	Define population.
31	What is the cause of acid rain?
32	What is an ore?
33	How was petroleum formed?
34	What is fossil fuel?
35	Describe two effects of acid rain.
36	Mention two methods for the protection of natural resources.
37	What is ozone?
38	Write two examples of endangered species.
39	What are the effects of population growth?
40	What are the effects of population growth?
41	Define population. Also, write the population of Pakistan in 1998.
42	Mention two methods for the protection of natural resources.
43	What is meant by natural gas?
44	Write two uses of natural gas.
45	Write two advantages of wildlife.
46	What are two causes of delirium disease?

47	Write the names of two dairy products.
48	What is migration?
49	Write two suggestions for the conservation of wildlife.
50	Why are coal, oil, and gas called fossil fuels?
	What is the causal organism of dengue fever?
	What is meant by fish farming?
	Define minerals.
	Write the effects of fossil fuels on the environment.
	Define air pollution.
	Describe two uses of chlorofluorocarbon.
	Write two benefits of atmospheric layers.
	Write the names of blood groups.
	What is the Rh system?
	Which gases are included in natural gas?
	What are the hazards of land pollution?
	What are resources?
	Define recycling.
	What are pollutants?
	What is smog?
	Write about the troposphere.
	Define the greenhouse effect.
	How is the ozone layer depleted?
	Write two benefits of wildlife.
	Write two effects of the greenhouse effect.
	Write two measures to reduce pollution.
	Define water pollution.
	How many types of fishes and birds are present in Pakistan?
	What is meant by narcotics? Write the names of any two.
	Write a short note on minerals.
	Define drugs.
	What is the atmosphere?
	What are chlorofluorocarbons?
	Write the names of different layers of the atmosphere.
	Describe the importance of minerals (any two).
	What are fossil fuels?
	What is pollution?
	What is meant by non-renewable resources?
	Describe two effects of air pollution.
	Write two advantages of wildlife.
	What are the names of different agents causing diseases?
	Define wildlife.
	What are the uses of gypsum? Write any two.
	Define substrate.
	Write two uses of the body.
	How can we get rid of malaria and bilharzia?

	What is the cure for Dengue fever?
	Write symptoms of Delirium.
	Write the names of diseases caused by air.
	Define Symmetry.
	Write two advantages of the atmosphere.
	What are chlorofluorocarbons?
	Write the function of the Ozone Layer.
	Write any two advantages of mechanized farming.
	Write down the composition of the atmosphere.
	What is meant by the Ozone layer?
	What is meant by air pollution?
	Write the names of diseases spread through air.
	Define sterilization.
	Define narcotics.
	What are sedatives?
	Write two preventions in case of dengue fever.
	What is phobia? Write its symptoms.
	Write the names of three types of pollution.
	Write names of four layers of the atmosphere.
	How does whooping cough spread?
	Write two effects of fossil fuels on the environment.
	Write the names of two bacterial diseases.
	How does typhoid spread in humans?
	Write any four symptoms of flu.
	Write any two protective measures to avoid measles.
	Briefly describe ring worm.
	HIV abbreviation stands for?

## Most Important Long Questions

### Question # 5

#	Question
1	Write down the concept of science in Islam.
2	Write the role of nitrogen in air.
3	Write a note on the limitations of current science.
4	Write a detailed note on water as a universal solvent.
5	Write a note on the life history and atomic development contribution of Dr. Abdul Qadeer Khan for Pakistan.
6	Explain the non-allotropic forms of carbon.
7	Write a note on the contribution of Jabir Bin Hayyan to the development of science.
8	Explain that water is a universal solvent.

9	Write in detail the uses of rare gases.
10	Define allotropy and discuss different allotropic forms of carbon.
11	Describe the role of science and technology in our life.
12	Write down the services of Dr. Abdul Qadeer Khan.
13	Write a brief note on any four branches of science.
14	Describe the role of oxygen in air.
15	Describe the importance of phosphorus and chlorine in human life.

## Question # 6

#	(Chapter # 3)
1	Write a note on DNA as hereditary material.
2	What are antibiotics? Explain any three of them.
3	What is meant by an enzyme? Briefly describe the general characteristics of enzymes and their role in daily life.
4	Write useful role of Genetic Engineering in agriculture.
5	What is an antibiotic? Write down its different types.
6	Write down the role of enzymes in our daily life.
7	Define Genetic Engineering. What is its role in human welfare?
8	Discuss in detail on Blood groups.
9	Write a note on Blood and its functions.
10	Write the role of metabolism. Describe its different types.
11	What is meant by Recycling?
12	What do you know about vaccines? Write in detail.
13	Write a note on fats metabolism.
14	Write a detailed note on antibiotics.
15	Give the role of genetic engineering in agriculture and livestock.
16	What is metabolism? Write different types of metabolism.
17	Write Blood and its Functions.
18	Write a detailed note on Metabolism.
19	What are the different Components of Blood?
20	Describe in detail the Rh-System of Human Blood.

## Question # 7

#	(Chapter # 4)
1	Describe any four Functions of Water in our Body.
2	Write down the role of pituitary.
3	What are vitamins? Explain vitamins "E" and "K".
4	What are the different components of blood?
5	Describe in detail the Rh-System of human blood.
6	Write a note on animal bite and eye injury.

7	What is the difference between fats and oils?
8	Write a note on fats and oils.
9	Write names of endocrine glands present in our body and a detailed note on any one.
10	Discuss in detail about diet for old and young persons.
11	Write a note on first aid for animal bite.
12	Write a note on functions of pancreas and gonads.
13	What is meant by Endocrine glands? Describe the functions of any three endocrine glands.
14	In detail, how can waste and scarce materials be made usable?
15	What are vitamins? Write a note on fat-soluble vitamins.
16	Explain the need for mineral salts for the body.
17	Write a comprehensive note on proteins.
18	What are antibiotics? Write details of two examples of antibiotics.
19	Write a note on fat-soluble vitamins.
20	What is meant by a balanced diet? What is a suitable diet for infants and old age people?
21	Define vitamins. Also, write about water-soluble vitamins.

## Question # 8

#	(Chapter # 5)
1	Define a drug. Explain any three drugs.
2	Write four sources of spread of germs.
3	Write a detailed note on narcotics.
4	Write a note on cholera.
5	Write four uses of mineral salts.
6	How does "AIDS" spread? Write its preventive measures.
7	Write a note on mental illness.
8	Write importance of wildlife. How will you conserve wildlife?
9	Write names of viral diseases and write a short note on any one of them.
10	Write a note on influenza or flu.
11	What is nervous breakdown? Explain in detail.
12	Write a detailed note on whooping cough.
13	Write a note on typhoid disease.
14	Write a note on depression.
15	Write a short note on delirium and depression.
16	Write the role of "air" and "touch" in spreading of germs.
17	What are the effects of smoke and smoking?
18	What are the harmful effects of smoke and smoking?
19	Write the function of pituitary gland and thyroid gland.
20	Write note on measles.
21	Write a detailed note on smallpox.

22	Discuss in detail the spread of germs by air and animals.
23	Write different methods to prevent malaria.
24	Write a detailed note on "Worms".

## Question # 9

#	(Chapter # 6)
1	Write a note on Dairy and Poultry farming.
2	What is meant by the greenhouse effect? Describe its causes and effects on weather.
3	Write a note on measles disease.
4	Write down causes, effects, and measures of controlling aquatic pollution.
5	Explain the use and environmental effects of fossil fuels.
6	Describe the components and layers of the atmosphere.
7	Define air pollution. Write main causes.
8	Describe the measures to reduce pollution.
9	Write a note on endangered species in Pakistan.
10	Describe the importance of wildlife.
11	How does the atmosphere absorb energy radiations? Explain.
12	Write a note on wildlife conservation and national parks.
13	Define pollution and describe three major types of pollution briefly.
14	Explain environmental problems arising due to an increase in population.
15	Write a note on the importance of wildlife.
16	Write a note on conservation of natural resources.