

(GENERAL GROUP)
CLASS-IX
(Regular & Private Candidates)

Total Time: ½ hour

Max. Marks: 20

General Instructions:

Section 'A': It consists of 20 Multiple choice questions (MCQs) and all of them are to be answered.

Section 'B': It comprises of 13 short answer questions of which 08 questions are to be answered.

Section 'C': It comprises of 5 Descriptive answer questions of which 3 questions are to be answered.

SECTION 'A' (COMPULSORY) MULTIPLE CHOICE QUESTIONS (M.C.Qs)

Note:

- (i) Attempt all the questions of this Section.
- (ii) Do not copy down the part questions. Write only the answer against the proper number of the question and its part according to the question paper.
- (iii) Each question carries 1 mark.
- (iv) Write the code of your question paper in **bold letters** in the beginning of the answer script.

1. Choose the correct answer for each question from the given options:-

- (i) **Heron is a:**
☆ Stimulant ☆ Hallucinogen
☆ Narcotic ☆ Causative drug
- (ii) **The layer of atmosphere most helpful in communication is:**
☆ Ionosphere ☆ Thermosphere
☆ Troposphere ☆ Mesosphere
- (iii) **Which of the following is the most dangerous air pollutant:**
☆ Dust Particles ☆ Garbage
☆ Carbon dioxide ☆ Carbon monoxide
- (iv) **The unit of capacity of capacitor is known as:**
☆ Coulomb ☆ Volt ☆ Ohm ☆ Farad
- (v) **During emergencies thyroid gland is responsible for controlling:**
☆ Excretion of water by Kidneys ☆ Heart beat
☆ Circulation of blood ☆ Digestion of food
- (vi) **Fruits and vegetables are the sources of:**
☆ Proteins ☆ Minerals and Vitamin
☆ Fats ☆ Carbohydrates
- (vii) **The compound used in the development and printing of photographic films:**
☆ Sodium Carbonate ☆ Sodium Thiosulphate
☆ Calcium Carbonate ☆ Magnesium oxide
- (viii) **The frequency of radio lec in the range:**
☆ 20Hz to 20KHz ☆ 30KHz to 30 MHz
☆ 600MHz to 650 MHz ☆ 600MHz and above
- (ix) **Pakistan Science Foundation was set up in:**
☆ 1973 ☆ 1963
☆ 1975 ☆ 1962

- (x) **The minimum speed of space rocket to overcome the gravity of the earth should be:**
☆ 16000 km/h ☆ 23000 km/h
☆ 18000 km/h ☆ 40000 km/h
- (xi) **The branch of science which deals with force and energy:**
☆ Chemistry ☆ Physics
☆ Geology ☆ Meteorology
- (xii) **An Ammeter measures:**
☆ current ☆ voltage
☆ resistance ☆ speed
- (xiii) **Science helps us to understand:**
☆ our environment ☆ our form of Government
☆ experience human relationship ☆ all these
- (xiv) **It is the part of Brain which is connected with the spinal cord:**
☆ Medulla oblongata ☆ Cerebrum
☆ Cerebellum ☆ Nerves
- (xv) **The percentage of carbon in wrought iron is:**
☆ 1.5% to 4.5% ☆ 0.5% to 1.4 %
☆ 0% to 2% ☆ 0.12% to 0.2%
- (xvi) **Which one is the green house gas:**
☆ oxygen ☆ carbon dioxide
☆ nitrogen ☆ ozone
- (xvii) **Solar energy is also known as:**
☆ Radiant energy ☆ Thermal energy
☆ Mechanical energy ☆ Chemical energy
- (xviii) **What are Aerosols:**
☆ harmful gases ☆ small material particles
☆ radioactive substance ☆ water bubbles
- (xix) **The new field of science and technology that has emerged as a result of space exploration is:**
☆ space engineering ☆ space travel
☆ space information ☆ space science
- (xx) **Influenza is caused by:**
☆ Air ☆ Drinking water
☆ By Mosquito ☆ By shake hand
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BOARD OF SECONDARY EDUCATION KARACHI

S.S.C. (ANNUAL) EXAMINATION – 2018 AND ONWARDS

MODEL QUESTION PAPER

GENERAL SCIENCE

(GENERAL GROUP)

CLASS-IX

(Regular & Private Candidates)

34

Total Time: 2 ½ hours

Max. Marks: 80

Important Instructions:

This paper consisting of Short-Answer Questions (Section 'B') and Descriptive-Answer Questions (Section 'C') is being given after 30 minutes. Its total duration is 2 ½ hours only.

SECTION 'B' (SHORT ANSWER-QUESTIONS) (Marks: 48)

Note: Answer EIGHT questions from this section. All questions carry equal marks.

2. Explain how science has developed to the present new discipline?
3. How is pollution caused in by cities? Write its harmful effects?
4. What are the leucocytes? How do they defend the body?
5. How vaccines have been saving the lives of million?
6. Describe the main functions of vitamins.
7. What do you understand by a chain reaction?
8. Which animal have endangered life?
9. What is the function of Satefite?
10. What is meant by Radioactive isotopes?
11. What is meant by Alloy? Write three name of copper alloys and their composition.
12. What are the misuses and disadvantages of nuclear energy?
13. What is meant by immunity?
14. What are the bacterial? Where are they found? Name three bacteria and their causative agents.

SECTION "C" (DESCRIPTIVE-ANSWER QUESTIONS) (Marks: 32)

Note: Attempt THREE questions from this section including Q.15 which is compulsory and carry 12 marks.

15. Draw a labelled diagram on any two of the following:
(i) Respiratory system (ii) Gases enter in the plant (iii) Structure of brain
 16. What do you mean by genetic engineering? Discuss importance for betterment of mankind give examples.
 17. Discuss How do modern farming methods are responsible for the increase in agriculture production?
 18. Describe the role of x-rays and ultrasound in the diagnosis of diseases for treatment.
 19. What do you mean by recycling? How is this recycling business going on in nature? Explain with reference to water cycle or oxygen carbon dioxide cycle in nature.
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