

# Model Paper Science Grade 8

## General Instructions:

- 1) Write Roll Number in **digits**.(Figures) on Computerized Answer Sheet (The Sheet on which students mark the correct answer of objective questions). In the absence of your Roll No your scores would not be identified and allocated to you.
- 2) Read each question carefully before answering. Attempt all questions. There is no choice in questions.
- 3) Students are not allowed to take the Question Paper/Answer Sheet out of the Examination Centre.
- 4) Mark the correct option of MCQ with sign  with a Black Ball Point, on the computerized answer sheet. If a student marks two or more boxes, or one sign  touches two boxes or the sign  is within two boxes without touching anyone, the computer will score ZERO for such questions.
- 5) Students are not allowed to mark in the boxes made against the open ended questions serial numbers. The teachers will score your questions and then mark your score in the related box. If any two boxes are marked then computer will give you ZERO mark. The example of an objective question is given below.

Example:

1. What is the number of sense organs in our body?

- (a) two                      (b) four                      (c) five                      (d) six

Correct method to answer:

- |     |                          |                          |                                     |                          |
|-----|--------------------------|--------------------------|-------------------------------------|--------------------------|
|     | (a)                      | (b)                      | (c)                                 | (d)                      |
| Q.1 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

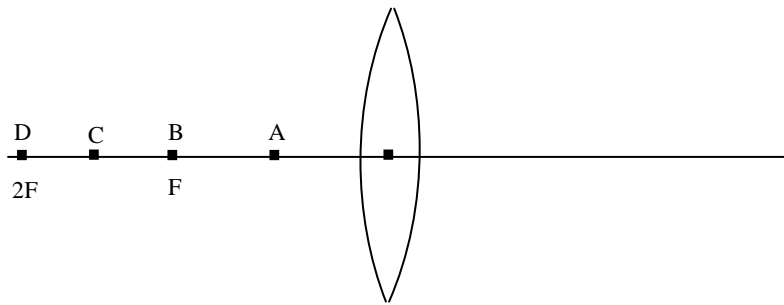
## Part-A (Multiple Choice Questions)                      Time Allowed: 1 hour 20 minutes

**Instruction:-** Forty (40) Multiple Choice Questions (MCQs) are given in this part. Attempt all questions. All questions carry equal marks. Mark correct option on computerized answer sheet.

- Q. No.1. Chlorine gas is used in the home water supply system during raining season to kill the micro organisms named.  
(a) Algae                      (b) Bacteria                      (c) Fungi                      (d) Virus
- Q. No.2. Which one of the following radicals carry variable charges.  
(a)  $Zn^{2+}$                       (b)  $Fe^{3+}$                       (c)  $Mg^{2+}$                       (d)  $Na^+$
- Q. No.3. Select the micro organism that is “NOT” cellular:  
(a) Algae                      (b) Bacteria                      (c) Fungi                      (d) Virus
- Q. No.4. Current is flow of:  
(a) Charge                      (b) Electron                      (c) Neutron                      (d) Proton
- Q. No.5. The atoms in one molecule of water ( $H_2O$ ) are in the ratio of  
(a) 1:2                      (b) 2:1                      (c) 1:4                      (d) 4:1
- Q. No.6. Green house is a room made of:  
(a) Bricks                      (b) Iron                      (c) Glass                      (d) Wood
- Q. No.7. Two cells are connected in series in a circuit. If another cell is added in this circuit, then the current in the circuit will be:  
(a) Increased                      (b) Decreased  
(c) Remained same                      (d) First increase then decrease

Q. No.8. Example of sedimentary rocks is  
(a) Basalt (b) Clay (c) Marble (d) Gypsum

Q. No.9. In the given diagram, the virtual image is formed when the body is placed at the point



Convex lense

(a) A (b) B (c) C (d) D

Q. No.10. In order to make their own food, plant leaves absorb  
(a) Minerals (b) Oxygen (c) Rain (d) Sunlight

Q. No.11. Cold blood group of animals is  
(a) Crocodile, Ostrich (b) Ostrich, Kiwi  
(c) Sparrow, Crocodile (d) Tortoise, Crocodile

Q. No.12. Current can pass through  
(a) Iron (b) Plastic (c) Rubber (d) Wood

Q. No.13. If the potential difference across a bulb is increased from 2 volt to 5volt. Then the quantity of current through the bulb will:  
(a) Decrease (b) First decreases then increases  
(c) Increase (d) First increases then decreases

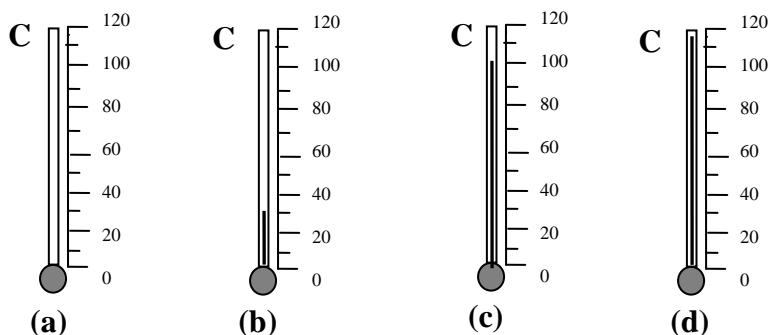
Q. No.14. When water boils  
(a) Gas becomes solid (b) Liquid becomes solid  
(c) Liquid becomes gas (d) Solid becomes liquid

Q. No.15. The depletion of ozone layer is happening in the atmosphere due to  
(a) Less industrialization (b) Excessive industrialization  
(c) Excessive plantation (d) Excessive use of Pesticides

Q. No.16. Which one of the following is a chemical change:  
(a) Boiling of milk (b) Boiling of water  
(c) Boiling of egg (d) Melting of ice

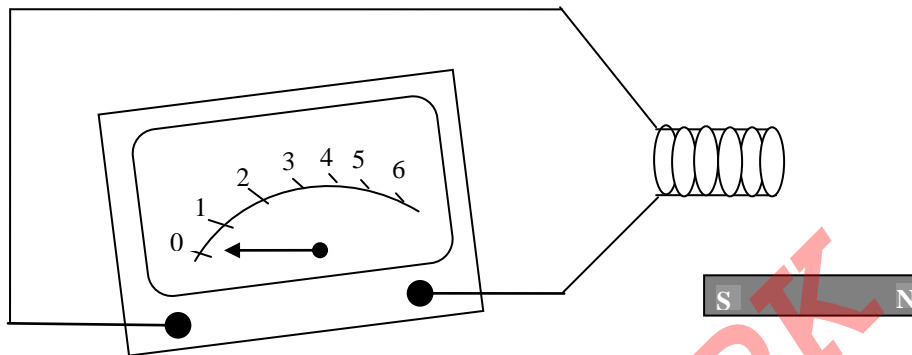
Q. No.17. The disease that can transfer to the next generation is  
(a) Cholera (b) Hemophila (c) Influenza (d) Malaria

Q. No.18. The thermometer that shows the boiling of water in a Pan is



Q. No.19. The symbol of Cobalt is  
(a) Cr (b) Co (c) Ca (d) CO

Q. No.20. The Galvanometer will detect current when the magnet is



(a) Far away from the coil (b) High above the coil  
(c) Moving in the coil (d) below near the coil

- Q. No.21. Salt that is used for the treatment of goiter disease is  
(a) Iodine (b) Magnesium (c) Potassium (d) Sodium
- Q. No.22. When two hydrogen atoms and one oxygen atom combine chemically they form:  
(a) Compound (b) Element (c) Ion (d) Mixture
- Q. No.23. Diamond is most likely used in making of  
(a) Bangles (b) Electrode  
(c) Jewellery (d) Electric bulb
- Q. No.24. Chromosomes are chemically composed of DNA and  
(a) Carbohydrates (b) Fats  
(c) Protein (d) Vitamins
- Q. No.25. Example of Non-Crystalline forms of carbon is  
(a) Charcoal and Coal (b) Charcoal and Bucky ball  
(c) Coal and Graphite (d) Coke and Diamond
- Q. No.26. The group of dicotyledon plants is  
(a) Apple, Pea, Maize (b) Pea, Rose, Orange  
(c) Rice, Apple, Sarsoon (d) Wheat, Mango, Sugarcane
- Q. No.27. Soap is prepared by heating the mixture of  
(a) Animal fat and Sodium Bicarbonate  
(b) Vegetable oil and Sodium Carbonate  
(c) Vegetable oil and Animal fat  
(d) Vegetable oil and Sodium Hydroxide
- Q. No.28. Conifers are the plants which have  
(a) Cones and small leaves (b) Naked seeds and Needle leaves  
(c) Naked seeds but no leaves (d) Seeds and flowers

- Q. No.29. If you dip your finger inside a liquid. The pressure exerted by the liquid on your finger would be  
 (a) Different at all parts (b) Minimum on lower part  
 (c) Maximum on upper part (d) Same at all parts
- Q. No.30. If charge on Zinc is  $2^+$  and on phosphate is  $3^-$  then the correct chemical formula of Zinc Sulphate is  
 (a)  $Zn_2 Po_4$  (b)  $Zn_2 (Po_4)_3$  (c)  $Zn_3 (Po_4)_2$  (d)  $Zn_3 Po_4$
- Q. No.31. The eye colour of Amina's mother is brown. The colour of eyes of Amina will be.  
 (a) Black (b) Brown  
 (c) Blue (d) Green
- Q. No.32.  $20^0$  C Temperature in Kelvin scale is  
 (a) 253 k (b) 273 k (c) 293 k (d) 313 k
- Q. No.33. Marble and Quartzite are the example of rocks called:  
 (a) Igneous (b) Metamorphic  
 (c) Sedimentary (d) Igneous and Sedimentary
- Q. No.34. If your family member has breathing problem which mixture of gases for treatment may be used for artificial breathing  
 (a) Carbon monoxide and Oxygen (b) Carbon dioxide and Oxygen  
 (c) Chlorine and Carbon dioxide (d) Hydrogen and Carbon mono oxide
- Q. No.35. Comets revolve around the  
 (a) Earth (b) Moon (c) Sun (d) Star
- Q. No.36. If two ends of a bulb are connected with the positive terminal of the battery, the bulb will  
 (a) be lighted (b) be Fused (c) First lighted then fused (d) not lighted
- Q. No.37. Solids ionic compound behaves at normal temperature as  
 (a) Conductor (b) Insulator  
 (c) Semi-Conductor (d) Super Conductor
- Q. No.38. One of your class fellows has fungus problem on his skin which substance will be applied along with sulphur for treatment  
 (a) Calcium Hydro oxide (b) Calcium Oxide  
 (c) Sodium Carbonate (d) Sodium Hydro oxide
- Q. No.39.  $Na_2CO_3$  represents the chemical formula of  
 (a) Barium Carbonate (b) Calcium Carbonate  
 (c) Potassium Carbonate (d) Sodium Carbonate
- Q. No.40. When a light ray enters from lighter medium to denser medium at right angle, it  
 (a) Bends towards normal (b) Bends away from normal  
 (c) Does not change its path (d) Reflects back in lighter Medium