

## GRADE-8 EXAMINATION

## Science

## General Instructions:

- 1) Candidate will write his Roll Number on Computerized Answer Sheet and Open Ended Part in **digits**. It is repeated, write Roll Number in **digits**.
- 2) Attempt all questions. Read each question carefully before answering.
- 3) Students are not allowed to take the Question Paper/Answer Sheet out of the Examination Centre.
- 4) Tick ☒ the correct option with a Ball Point, for right answer to the MCQ's part, on the computerized answer sheet. Tick ☒ sign must be remain within the box.

## Example:

1. Pakistan came into being.

- (a) 1856      (b) 1905      (c) 1947      (d) 1927

Correct method to answer:

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

Note: If you tick ☒ more than one options of a question, answer will be considered wrong and no marks will be awarded.

## Part-(A)

## MULTIPLE CHOICE QUESTIONS

TIME ALLOWED: 1:40 hour

## Specific Instructions:

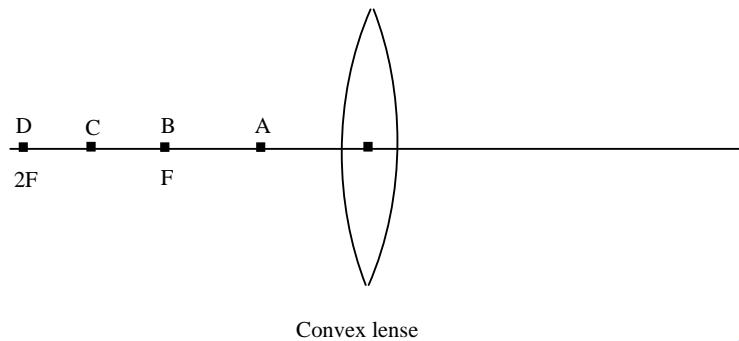
Forty (40) Multiple Choice Questions (MCQs) are given in this part. Attempt all questions. All questions carry equal marks.

- Q. No.1. Chlorine gas is used in the home water supply system during raining season to kill the micro organisms.  
 (a) Algae      (b) Bacteria      (c) Fungi      (d) Virus
- Q. No.2. Which one radical carry variable charges.  
 (a)  $\text{Zn}^{2+}$       (b)  $\text{Fe}^{3+}$       (c)  $\text{Mg}^{2+}$       (d)  $\text{Na}^+$
- Q. No.3. The micro organism that is "NOT" cellular is  
 (a) Algae      (b) Bacteria      (c) Fungi      (d) Virus
- Q. No.4. Best possible answer is "Current is flow of"  
 (a) Charge      (b) Electron      (c) Neutron      (d) Proton
- Q. No.5. The atoms in one molecule of water ( $\text{H}_2\text{O}$ ) are in the ratio of  
 (a) 1:2      (b) 2:1      (c) 1:4      (d) 4:1
- Q. No.6. Air pollution is caused by oxides of  
 (a) Florin      (b) Hydron      (c) Sodium      (d) Sulphur
- Q. No.7. In your home you use a bulb of 100 watts for 10 hours daily. The unit of energy consumed in a day will be  
 (a) One      (b) Two      (c) Three      (d) Four

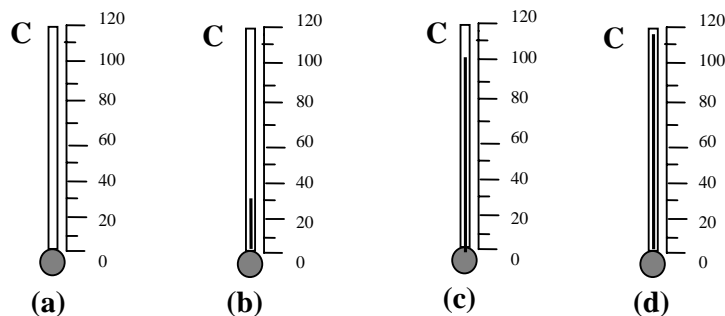


- Q. No.8. Example of sedimentary rocks is  
 (a) Basalt (b) Clay (c) Marble (d) Gypsum

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

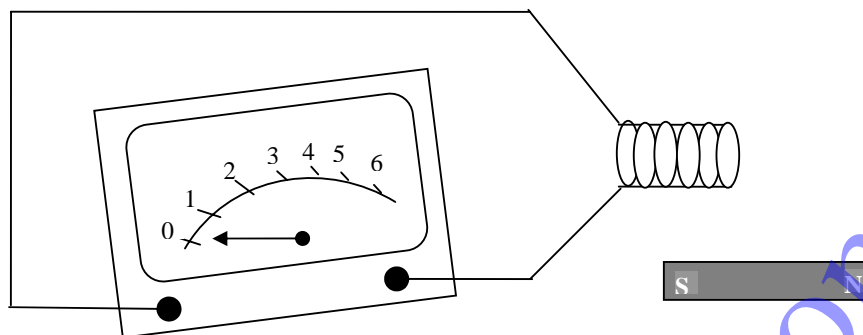


- (a) A (b) B (c) C (d) D
- Q. No.10. In order to make their own food, plant leaves absorb  
 (a) Minerals (b) Oxygen (c) Rain (d) Sunlight
- Q. No.11. Cold blood group of animals is  
 (a) Crocodile, Ostrich (b) Ostrich, Kiwi  
 (c) Sparrow, Crocodile (d) Tortoise, Crocodile
- Q. No.12. Current can pass through  
 (a) Iron (b) Plastic (c) Rubber (d) Water
- 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 be  
 (a) Decreases (b) First decreases then increases  
 (c) Increases (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. 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 formed  
 (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 dicotyliden 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. Coneifers 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 dipped your finger inside a liquid. The pressure exerted by the liquid on the 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. An object is placed between F and 2F in front of a convex lens. The image formed will be  
 (a) Inverted and small (b) Inverted and large  
 (c) Real and small (d) Virtual and large
- Q. No.32.  $20^\circ C$  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  
 (a) Igneous (b) Metamorphic  
 (c) Sedimentary (d) Igneous and Sedimentary
- Q. No.34. If your any 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



Version 1

Q.No.	41	42	43	44
Marks:				
				

## GRADE-8 EXAMINATION

Roll Number:

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Signature of Supervisor: \_\_\_\_\_

Date: \_\_\_\_\_

### Science Part-(B) OPEN ENDED QUESTIONS

**TIME ALLOWED: 1:20 hour**

**Specific Instructions:** This part has 4 Open Ended Questions. Please use blank space given below the question to write the answer.

Q. No. 41

(a) What is Hematite? (2)

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(b) Write six uses of Iron (3)

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(c) Write the five uses of Gypsum (5)

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Q. No. 42

(a) What is environment degradation?

(2)

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(b) Enlist the different forms of environmental degradation.

(4)

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(c) Write steps for conservation of environment.

(4)

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**Q. No. 43**

(a) How the carbon dioxide is prepared in laboratory?

(2)

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(b) What are physical properties of Carbon-Dioxide?

(4)

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(c) Write four uses of Carbon dioxide?

(4)

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Q. No.44

(a) What is Nebula?

(2)

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(b) How galaxies are formed and why galaxies on the Sky look like dim bulb of light.

(4)

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(c) Explain the Milky Way galaxy.

(4)

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