

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:

- | | | | | |
|-----|--------------------------|--------------------------|-------------------------------------|--------------------------|
| Q.1 | (a) | (b) | (c) | (d) |
| | <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

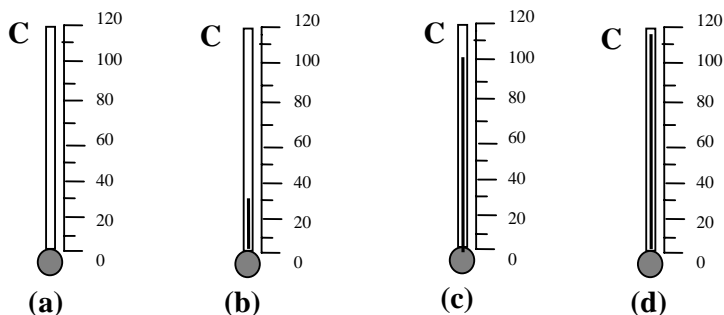
TIME ALLOWED: 1:40 hour

Specific Instructions:

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

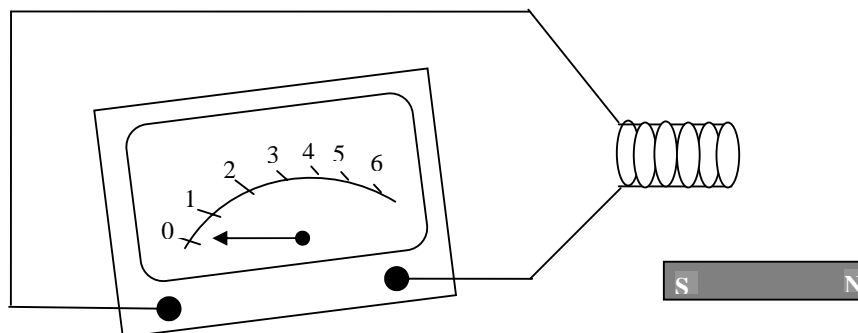
- Q. No.1. Fertility of soil increases by the decomposition of
 (a) Algae (b) Bacteria (c) Fungi (d) Virus
- Q. No.2. Which one radical carry variable charges.
 (a) Zn^{2+} (b) Fe^{3+} (c) Mg^{2+} (d) Na^+
- Q. No.3. Disease that is caused by virus is
 (a) Cancer (b) Cholera (c) Typhoid (d) T.B
- Q. 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 Ammonia gas (NH_3) are in the ratio of
 (a) 3:1 (b) 1:3 (c) 4:1 (d) 1:4
- Q. No.6. Air pollution is caused by oxides of
 (a) Florin (b) Hydron (c) Sodium (d) Sulphur
- Q. No.7. If an electric oven of 1000 watt is used daily for two hours. The unit of energy consumed will be
 (a) Two (b) Three (c) Four (d) Five
- Q. No.8. Example of sedimentary rocks is
 (a) Basalt (b) Clay (c) Marble (d) Gypsum

- Q. No.9. A candle is placed at point $2F$ in front of a convex lense. The image of candle will be formed on the other side at
 (a) F (b) Before F (c) After F (d) $2F$
- Q. No.10. In order to make their own food, plant leaves absorb
 (a) Minerals (b) Oxygen (c) Rain (d) Sunlight
- Q. No.11. The group of animals that DOES NOT maintain their body temperature with change of environment are
 (a) Lizard, Parrot (b) Lizard, Tortoise
 (c) Ostrich, Kiwi (d) Parrot, Pigeon
- Q. No.12. Current can pass through
 (a) Iron (b) Plastic (c) Rubber (d) Water
- Q. No.13. The effect of decrease of Potential difference in a circuit on the follow of current will be
 (a) It Decreases (b) First decreases then increases
 (c) First increases then decreases (d) It Increases
- 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. Ozone layer is most likely affected due to chemical reaction of the gas
 (a) Chlorofluorocarbon (b) Nitrogen (c) Hydrogen (d) Oxygen
- 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 most likely inherited diseases is
 (a) Influenza (b) Thalassemia (c) Typhoid (d) Tatanus
- Q. No.18. The thermometer that shows the boiling of water in a Pan is



- Q. No.19. “Ag” is the symbol of
 (a) Aluminium (b) Natrium (c) Aurum (d) Argentum

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) Sitting near the coil

Q. No.21. Haemoglobin present in blood contains the compound of
(a) Calcium (b) Iron (c) Potassium (d) Magnesium

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. Graphite is used in making of
(a) Electric bulb (b) Electric Tube (c) Electrodes (d) Electric fan

Q. No.24. Chromosomes are chemically composed of DNA and
(a) Carbohydrates (b) Fats (c) Protein (d) Vitamins

Q. No.25. Example of Crystalline forms of Carbon is
(a) Bucky balls and Coke (b) Diamond and Coal
(c) Sugar Charcoal and Lamp balls (d) Graphite and Bucky balls

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. Liquid soap is prepared by mixing of
(a) Animal fat and Potassium Hydro-oxide
(b) Animal fat and Sodium Hydro oxide
(c) Vegetable oil and Ammonium Hydro oxide
(d) Vegetable oil and Calcium Hydro oxide

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 a hard ball is placed in middle of a liquid with the help of a thread then the pressure on this ball would be
(a) Different at all point (b) Larger on above part of the ball
(c) Lower on lower part of the ball (d) Same at all points

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 concave lens the size of the image formed on the same side will be
(a) Erect and large (b) Erect and small
(c) Virtual and large (d) Real and small
- Q. No.32. 20⁰ C Temperature in Kelvin scale is
(a) 253 k (b) 273 k (c) 293 k (d) 313 k
- Q. No.33. The igneous rocks are found in the form of
(a) Basalt and Granite (b) Granite and Gravel
(c) Gabbro and Rock salt (d) Gypsum and Lignite
- 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. Ceres is another biggest
(a) Asteroids (b) Comets (c) Meteoroids (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. Ionic compounds normally have
(a) High melting and low boiling point (b) High melting and High boiling point
(c) Low melting and low boiling point (d) Low melting and high boiling point
- 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. Mg(OH)₂ represents the formula of
(a) Calcium Hydro oxide (b) Magnesium Hydro oxide
(c) Potassium Hydro oxide (d) Sodium Hydro oxide
- 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 4

Q.No.	41	42	43	44
Marks:				
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GRADE-8 EXAMINATION 2009

Roll Number: - -   

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 are minerals? (2)

(b) Write the reason for use of Gemstone. (3)

(c) Write the chemical compounds of Gemstone? (5)
