

3845/2017

CENTRAL PUBLIC SCHOOL

Subject – Science
Class - VIII

TAJPUR ROAD, SAMASTIPUR
MID-TERM EXAM – 2018

Time- 3 Hrs.
F. M. - 80

Section 'A' Physics 30 Marks

- 1. Choose the correct options:** [4]
- i. On passing electricity through copper sulphate solution-
- a. Copper is formed at anode b. Copper is formed at cathode
c. Oxygen is formed at anode d. Oxygen is formed at cathode
- ii. In which of these is current not conducted by electrons-
- a. Copper b. Iron c. Tap water d. Mercury
- iii. The quality of sound produced by tuning fork is different from that produced by a musical instrument because of difference in-
- a. Amplitude b. frequency c. Harmonics d. None of these
- iv. What is the minimum distance required to hear on echo-
- a. 17 cm b. 17 m c. 71 m d. 0.1 m
- 2. Fill in the blanks:** [5]
- i. Friction force exerted by fluid is called _____.
- ii. Pressure exerted by a liquid _____ with depth.
- iii. Friction is caused by _____ on the surface in contact.
- iv. _____ is the S.I unit of the intensity of sound.
- v. _____ is the electrode connected to negative terminal of battery.
- 3. Answer any three questions in short:** [6]
- i. What is electricity?
- ii. How is electronic current different from conventional current?
- iii. How sound produced in our throat?
- iv. What is 'streamlining'? How is it useful?
- 4. Answer any four questions in detail:** [12]
- i. When you press a rubber sucker on a smooth surface, it sticks to the surface. Explain why this happens?
- ii. Explain the working of human ear.
- iii. Explain the electrolysis of water.
- iv. List three uses of electroplating, giving the reason in each case.
- v. Discuss three methods by which friction between two solid surfaces in contact can be reduced.
- 5. Draw diagram of any one:** [3]
'Human Ear' or 'Dry cell'

Section 'B' Chemistry 25 Marks

- 6. Choose the correct options:** [5]
- i. Which one of the following is regarded as the best variety of coal?
- a. Lignite b. Bituminous c. Anthracite d. Peat
- ii. Which of these used in surfacing road and paint?
- a. Coal b. Paraffin c. Asphalt d. Coke
- iii. Copper corrode in the presence of-
- a. O₂ b. H₂O c. CO₂ d. SO₃
- iv. Piece of Cu, Ag and Au are dropped into a solution of iron sulphate. The piece that will get a coating of copper is-

- a. Iron b. Silver c. Gold d. None of these

v. Which of these can you use as a substitute for glass in window-

- a. Polythene b. PVC c. Perplex d. Teflon

7. Fill in the blanks: [5]

- i. _____ is also called artificial silk.
ii. _____ is used to make non-stick pans.
iii. The process of the conversion of wood into coal is called _____.
iv. _____ is only liquid non-metal.
v. _____ is an alloy of Aluminum that can be stretched several times more than any metal.

8. Answer any three question in short: [6]

- i. What do you mean by reactivity series?
ii. Can alloying be used to lower the melting point? Give an example.
iii. What is polymer?
iv. Complete equation: $\text{Ag} + \text{H}_2\text{S} \longrightarrow \text{_____} + \text{H}_2$
v. Why should fossil fuels not be wasted?

9. Answer any three questions in detail: [9]

- i. How was petroleum formed?
ii. Write three chemical properties of metals.
iii. Write the composition of alloy: a. Brass b. Amalgam c. Solder
iv. How is Rayon made?

Section 'C' Biology 25 Marks

10. Fill in the blanks: [4]

- i. Rearing honeybees for honey is called _____.
ii. Large grasses cultivated for their nutritious seed are called _____.
iii. Rust is a kind of _____ diseases.
iv. _____ are group of micro-organism similar to plants that do not contain chlorophyll.

11. Choose the correct answer: [2]

i. Amoeba is an examples of -

- a. Bacterium b. Virus c. Fungus d. Protozoa

ii. Which of these do not prevent growth of bacteria?

- a. Salt b. Sugar c. Water d. Oil

iii. Which of these is multi cellular?

- a. Paramecium b. Amoeba c. Bacteria d. Mushroom

iv. Which one is called controll centre of cell?

- a. Nucleus b. DNA c. Cytoplasm d. Golgi

12. Answer any three questions in short. [6]

- i. What do you mean by protoplasm?
ii. Why are cell called building block of life?
iii. How do viruses cause diseases?
iv. How do vaccines work?

13. Answer any three questions in detail in detail: [9]

- i. What is fermentation? Discuss its used?
ii. Discuss two natural method of man wing.
iii. Define : a. Hybridization b. Emasculation
iv. What are the function of - a. Vacuoles b. Chromosomes c. Centrosomes

14. Draw a labelled diagram. (Any one) [4]

'Plants Cell' or 'Nitrogen Cycle'