

Roll No.

Code : S8SC802

**KENDRIYA VIDYALAYA SANGATHAN, PATNA REGION
SESSION ENDING EXAMINATION- 2018-19**

CLASS - VIII

Sl. No. 2570

SCIENCE

Time - 2½ Hrs.]

[Maximum Marks - 80

General Instructions :

1. All questions are compulsory.
2. This question paper contains 40 questions divided into four sections, A, B, C and D.
3. Section A comprises of 10 Fill in the blanks questions and 10 Multiple Choice Questions, each of 1 mark. Section B comprises of 8 Questions of 2 marks each. Section C comprises of 8 Questions of 3 marks each and Section D comprises of 4 questions of 5 marks each.

SECTION- A (1 mark each)

Fill in the blanks : (10 marks)

1. _____ is used to produce alcohol in wine industry.
2. Phosphorus is a very _____ non-metal.
3. The _____ is control centre of the cell.
4. The force action on a unit area of a surface is called _____.
5. The force which opposes the motion of a body is _____.
6. Loudness of sound depends on _____ of vibration.
7. The passage of an electric current through a solution causes _____ effect.
8. The body which posses electric charge on it is called _____.

Turn Over

9. Meteors which reach on the earth without getting completely burnt are called _____
10. CFC's converts _____ to oxygen.

Multiple Choice Questions : (10 marks)

11. Common cold is caused by
- (a) Viruses (b) Bacteria (c) Fungi (d) Algae
12. Which of the following can be beaten into thin sheet ?
- (a) Zinc (b) Phosphorous (c) Sulphur (d) Oxygen
13. A group of cell is called —
- (a) Tissue (b) Cell wall (c) Ribosome (d) None
14. The force we use while running is —
- (a) Magnetic force (b) Muscular force
- (c) Frictional force (d) Gravitational force
15. The force of friction between two bodies is —
- (a) Parallel to the contact surface.
- (b) Perpendicular to the contact surface.
- (c) Inclined at 30° to the contact surface.
- (d) Inclined at 60° to the contact surface.
16. High pitch notes are produced by stringed instruments when —
- (a) Strings are short (b) Strings are thin
- (c) Strings are tightly stretched (d) All of the above

17. Protons are —
- (a) Negatively charged particles (b) Uncharged particles
(c) Positively charged particles (d) Particles not found in an atom.
18. An INSAT picture shows a circular mass of clouds that will indicate a/an —
- (a) Cyclone (b) Tsunami (c) Forest fire (d) Earthquake
19. What will be the angle of incidence if a ray of light is reflected back at an angle of 30° ?
- (a) 60° (b) 75° (c) 30° (d) 15°
20. The next nearest star from Earth after Sun is —
- (a) Ursa major (b) Ursa minor (c) Orion (d) Alpha centaury

SECTION-B (2 marks each)

21. What is the full form of PVC ? Is it a thermoplastic or thermostat ?
22. What are non-metals ? Give examples.
23. What are lubricants ? Mention its importance.
24. What are laws of reflection ?
25. What is an artificial satellite ?
26. Differentiate between force and gravity.
27. Define lightening.
28. A pendulum oscillates 40 times in 4 seconds. Find its time period and frequency.

SECTION-C (3 marks each)

29. Write three uses of micro-organism in our lives.
30. Differentiate between : Biodegradable and Non-biodegradable pollutants.

Turn Over

31. Describe the causes of build-up of carbon dioxide in the atmosphere and effect of increasing CO_2 .
32. What is displacement reaction ? Discuss why iron can displaced copper from its salt solution but copper cannot displaced iron from its salt solution.
33. Complete the equation :
- (a) $\text{Na} + \text{O}_2$ (b) $\text{Zn} + \text{O}_2$ (c) $\text{SO}_2 + \text{H}_2\text{O}$
34. Why do vehicle tyres have treads (grooves) on them ?
35. Why are the walls of a dam thickened near the base ?
36. Which parts of the musical instrument vibrate to produce sound ?
- (a) drum (b) Violin (c) Flute

SECTION-D (5 marks each)

37. Describe the electroplating of copper on an iron strip.
38. Write the difference between plant and animal cells with the help of labelled diagram.
39. How can you take care of your eyes ?
40. Match the following :
- | | |
|---------------------|----------------------|
| (a) Distilled Water | (i) Good Conductor |
| (b) Tap Water | (ii) Poor Conductor |
| (c) Lemon Juice | (iii) Poor Conductor |
| (d) Petrol | (iv) Good Conductor |
| (e) Alcohol | (v) Poor conductor |
