

KENDRIYA VIDYALAYA SANGATHAN, HYDERABAD REGION
SAMPLE PAPER 01 FOR SESSION ENDING EXAM (2017-18)

SUBJECT: SCIENCE

BLUE PRINT FOR SESSION ENDING EXAM: CLASS VIII

CHAPTERS	VSA (1 mark)		SA-I (2 marks)	SA-II (3 marks)	LA (5 marks)	Total Marks
	FITB	MCQ				
Force and pressure	1(1)	1(1)	1(2)	1(3)	--	4(7)
Friction	1(1)	1(1)	1(2)	1(3)	--	4(7)
Sound	1(1)	1(1)	1(2)	1(3)	--	4(7)
Chemical effects of electric current	1(1)	1(1)	--	--	1(5)	3(7)
Some natural Phenomena	1(1)	1(1)	1(2)	--	1(5)	4(9)
Light	1(1)	--	1(2)	--	1(5)	3(8)
Stars and solar system	1(1)	1(1)	1(2)	--	--	3(4)
Pollution of air and water	--	1(1)	--	2(6)	--	3(7)
Cell structure and function	1(1)	1(1)	--	--	1(5)	3(7)
Micro organisms	1(1)	1(1)	1(2)	1(3)	--	4(7)
Metals and non metals	1(1)	1(1)	1(2)	2(6)	--	5(10)
Total	10(10)	10(10)	8(16)	8(24)	4(20)	40(80)
FITB – Fill in the Blank, MCQ – Multiple Choice Questions, VSA – Very Short Answer Type Questions, SA –Short Answer Type Questions LA – Long Answer Type Questions						

Note: Cell structure and function, Micro-organisms and Metals & Non-metals (30% i.e. 24 marks) of 1st term syllabus covering significant topics/chapters have taken as per CBSE guidelines.

MARKING SCHEME FOR SESSION ENDING EXAM

SECTION	MARKS	NO. OF QUESTIONS	TOTAL
VSA	1	24	24
SA – I	2	11	22
SA – II	3	8	24
LA	5	2	10
GRAND TOTAL			80

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SUBJECT: SCIENCE

MAX. MARKS : 80

CLASS : VIII

DURATION : 2½ HRS

General Instructions:

- (i). All questions are compulsory.
- (ii). This question paper contains **30** questions divided into four Sections A, B, C and D.
- (iii). **Section A** comprises **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. The process of conversion of sugar into alcohol is called _____.
2. Melting point of most of the metals is _____ than non-metals.
3. The _____ is the control centre of the cell.
4. _____ is a measure of gravitational of attraction on a body.
5. The force which opposes the motion of a body is _____.
6. Loudness of sound depends on _____ of vibration.
7. Electrolysis is used for _____ one metal over another metal.
8. The body which possesses electric charge on it, is called _____ .
9. Meteors which reach on the earth without getting completely burnt are called _____.
10. CFCs converts _____ to oxygen.

MULTIPLE CHOICE QUESTIONS: (10 marks)

11. Which group of micro-organisms contain only pathogenic members?
(a) Viruses (b) Bacteria (c) Fungi (d) Algae
12. Metals can be drawn into thin wires because —
(a) They are sonorous (b) They are malleable
(c) They are ductile (d) They are dense
13. The cell organelle responsible for secretion of materials like protein, enzymes and hormones from the cell is
(a) golgi complex (b) lysosomes (c) endoplasmic reticulum (d) nucleus
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 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 Centauri

SECTION – B (2 marks each)

21. What is retting?
22. What are noble metals? Give one example.
23. What are lubricants? Mention its importance.
24. What are ultrasonic vibrations? How is it important?
25. What are the laws of reflection?
26. What is an artificial satellite?
27. Differentiate between: Force and gravity.
28. Define lightning.

SECTION – C (3 marks each)

29. How is bacteria classified on the basis of their shape? Give one example of each.
30. What is a displacement reaction? Discuss why iron can displace copper from its salt solution but copper cannot displace iron from its salt solution.
31. Describe the causes of build-up of carbon dioxide in the atmosphere and effect of increasing CO_2 .
32. Differentiate between: Biodegradable and non-biodegradable pollutants.
33. Arrange the following metals in order of increasing reactivity :
Cu, K, Fe, Ag, Ca, Na, Zn, Au
34. Why do vehicle tyres have treads (grooves) on them ?
35. Why are the walls of a dam thickened near the base ?
36. Why does a vibrating simple pendulum not produce any sound?

SECTION – D (5 marks each)

37. When two bodies are charged by rubbing them together they acquire equal and opposite charge.
Explain.

38. What are the differences between plant and animal cells with the help of labelled diagram.

39. What are the two main defects of vision? How can they be corrected? Explain with diagram.

40. Match the following:

Column A	Column B
1. Sodium chloride	(i) copper
2. Lead nitrate	(ii) silver
3. Copper sulphate	(iii) aluminium
4. Silver nitrate	(iv) lead
5. Aluminium chloride	(v) hydrogen gas

