

KENDRIYA VIDYALAYA SANGATHAN, HYDERABAD REGION
SAMPLE PAPER 02 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 north pole of a magnet _____ the north pole of another magnet.
2. Sliding friction is _____ than the static friction.
3. Shrillness of a sound is determined by the _____ of vibration.
4. The passage of an electric current through a solution causes _____ effects.
5. When two bodies are charged by rubbing against each other, they acquire _____ and _____ charge.
6. The size of the pupil becomes _____ when you see in dim light.
7. The planet which appears reddish in colour is _____ .
8. An _____ is a cell that can be seen without a microscope.
9. Blue green algae fix _____ directly from air to enhance fertility of soil.
10. Metals react with acids to produce _____ gas.

MULTIPLE CHOICE QUESTIONS: (10 marks)

11. The SI unit of force is _____
(a) Kilogram (b) Gram (c) Newton (d) none of these
12. Four children were asked to arrange forces due to rolling, static and sliding frictions in a decreasing order. Their arrangements are given below. Choose the correct arrangement.
(a) Rolling, static, sliding (b) Rolling, sliding, static
(c) Static, sliding, rolling (d) Sliding, static, rolling
13. 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
14. An electrolytic cell converts
(a) electrical energy to light energy. (b) chemical energy to electrical energy.
(c) chemical energy to light energy. (d) electrical energy to chemical energy.

15. Clouds can charge tall buildings and trees by the process of
(a) friction (b) induction (c) conduction (d) gravitation
16. Which of the following is NOT a planet of the sun?
(a) Sirius (b) Mercury (c) Saturn (d) Earth
17. A poisonous gas that has a strong smell of rotten eggs is
(a) hydrogen sulphide (b) hydrogen chloride
(c) carbon monoxide (d) sulphur dioxide
18. Which of these is the control centre of a cell?
(a) Nucleus (b) Endoplasmic reticulum
(c) Mitochondria (d) Golgi body
19. Yeast is used in the production of
(a) sugar (b) alcohol (c) hydrochloric acid (d) oxygen
20. Which of the following metal is present in liquid form at room temperature?
(a) Sodium (b) Aluminium (c) Mercury (d) Silver

SECTION – B (2 marks each)

21. Why do astronauts appear floating inside a spaceship?
22. Write two properties of friction.
23. What is the difference between noise and music? Can music become noise sometimes?
24. Define lightning.
25. Differentiate between Regular and diffused reflection.
26. What is a constellation? Name any two constellations.
27. What makes the dough rise while preparing idli, dosa, bhaturas and dhoklas?
28. What are noble metals? Give one example.

SECTION – C (3 marks each)

29. Define: (a) Contact force (b) Non-contact force.
30. Explain why sportsmen use shoes with spikes.
31. Explain in what way noise pollution is harmful to humans.
32. Explain circumstances leading to acid rain. How does acid rain affect us?
33. Why does the increased level of nutrients in the water affect the survival of aquatic organisms?
34. What are antibiotics? What precautions must be taken while taking antibiotics?
35. What is a displacement reaction? Discuss why iron can displace copper from its salt solution but copper cannot displace iron from its salt solution.
36. Differentiate between Metals and non-metals.

SECTION – D (5 marks each)

37. What is electroplating? How can you electroplate an iron spoon with copper? Explain with the help of a circuit diagram.
38. Explain why a charged balloon is repelled by another charged balloon whereas an uncharged balloon is attracted by another charged balloon?
39. Draw a labeled sketch of the human eye.
40. Make sketches of animal and plant cells. State three differences between them.

