

Roll No.

CODE : S8SC2

KENDRIYA VIDYALAYA SANGATHAN, PATNA REGION
SESSION ENDING EXAMINATION, 2017-18

CLASS - VIII

SCIENCE

Sl. No. **2548**

TIME - 2 : 30 HOURS]

[MAX. MARKS - 80

General Instructions :

- (i) All questions are compulsory.
- (ii) Question number 1 to 5 carry 1 mark.
- (iii) Question number 6, each part carry 1 mark.
- (iv) Question number 7, each part carry 1 mark.
- (v) Question number 8 to 17, each carry 2 marks.
- (vi) Question number 18 to 25, each carry 3 marks.
- (vii) Question number 26 to 29, each carry 5 marks.

1. Sound travels fastest through

- (a) Gases
- (b) Vacuum
- (c) Liquids
- (d) Solids

2. The process of transferring of charge from a charged object to the earth is called 1

- (a) Lightning
- (b) Earthing
- (c) Thunder
- (d) Tremor

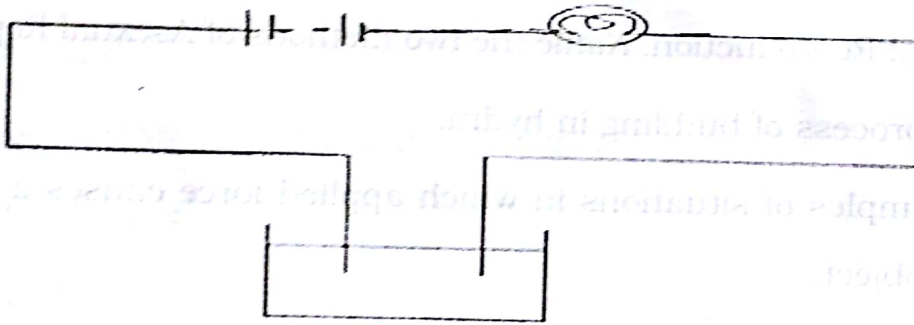
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3. Image formed by a plane mirror is 1
- (a) Virtual and of same size as the object
 - (b) Virtual and enlarged
 - (c) Virtual and smaller than the object
 - (d) None of these
4. Which of the following is NOT a member of the solar system ? 1
- (a) Satellite
 - (b) Planet
 - (c) Asteroid
 - (d) Constellation
5. Which of the following is NOT a greenhouse gas ? 1
- (a) Carbon dioxide
 - (b) Methane
 - (c) Nitrogen
 - (d) Sulphur dioxide
6. Fill in the blanks : 1×5=5
- (a) Sliding friction is than static friction.
 - (b) For human ears, the audible range is
 - (c) The passage of an electric current through a solution causes effects.
 - (d) Night birds have cones than rods in their eyes.
 - (e) is the largest planet of the solar system.
7. Answer the following in one word : 1×6=6
- (a) Name the thick fog like layer made up of smoke and fog that seen during winters.

- (b) Name the phenomena of splitting of light into its constituent colours.
- (c) Name the pressure exerted by air around us.
- (d) Name the process of coating of one metal over the other with the help of electricity.
- (e) Name the instrument used to detect whether a body is charged or not.
- (f) Name the term used for the number of oscillations per second.
8. Name any two diseases caused by viruses. 2
9. Why aluminium foils are used to wrap food items ? 2
10. Write any two differences between Eukaryotes and Prokaryotes. 2
11. Define Asexual Reproduction. Name the two methods of Asexual Reproduction. 2
12. Explain the process of budding in hydra. 2
13. Give two examples of situations in which applied force causes a change in the shape of an object. 2
14. Explain why Kabaddi players rub their hands with soil. 2
15. Name any two states in India where earthquakes are most likely to occur. 2
16. Do all stars in the sky move ? Explain. 2
17. Where are Chromosomes found in a cell ? State their function. 2
18. Write word equation for the following reactions : 3
- (a) Burning of Magnesium ribbon in air.
- (b) Dilute Sulphuric acid is poured on a Copper plate.
- (c) Iron nail are placed in Copper Sulphate solution.
19. Write any six uses of Microorganism in our lives. 3
20. State three differences between plant and animal cell. 3
21. Draw a well labeled diagram of Female Reproductive System. 3

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22. What do you mean by a Non-contact force ? Explain any two types. 3
23. Give examples to show that friction is both a friend and foe. (three each) 3
24. What precaution would you take to protect yourself from earthquake. 3
25. Define a Constellation. Give any one example and draw a sketch to show the relative positions of its prominent stars. 3
26. (a) List any four sources of noise pollution in your surroundings.
(b) Write any three measures to control noise pollution. 2+3=5
27. (a) The bulb does not glow in the setup given below. List the possible reasons. (any three)



- (b) Is it safe for the electrician to carry out electrical repairs outdoors during heavy down-pour. Explain. 3+2=5
28. (a) Draw a well labelled diagram of the Human Eye.
(b) State the laws of Reflection of light. 3+2=5
29. (a) Explain the differences between pure and polluted air. 3+2=5
(b) What do you mean by Global Warming ? What would be its consequences ?

OR

- (a) What are the different ways in which water gets contaminated ?
(b) Why does the increased level of nutrients in the water affect the survival of aquatic organisms ?

