

<b>Name</b>		<b>Roll Number</b>	
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**INDIAN SCHOOL MUSCAT  
MIDDLE SECTION  
FIRST TERM EXAMINATION 2018-19**



**SUBJECT - SCIENCE**

**Code: MZSC08**

**CLASS:VIII**

**Time Allotted: 2 ½ Hrs.**

**23.09.2018**

**Max .Marks: 80**

**General Instructions.**

1. The question paper comprises of **two Sections, A and B**. You have to attempt both the sections.
2. **All questions are compulsory.**
3. **All answers should be written in the answer sheet provided.**

**SECTION A**

**1.Fill in the blanks**

**Marks**

- |   |   |
|---|---|
| a. _____ is a synthetic fibre that resembles wool.                      | 1 |
| b. _____ acts as the control centre of the activities of the cell.      | 1 |
| c. Stars, planets and other objects in the sky are called_____ objects. | 1 |
| d. Heat and light in the sun are produced by_____ reactions.            | 1 |
| e. The force exerted by a magnet is an example of _____ force.          | 1 |
| f. A mixture of smoke and fog called_____ is seen during winters.       | 1 |

**2. Choose the correct answer.**

- |   |   |
|---|---|
| a. Muscle cells are   | 1 |
| A. branched      B. spherical      C. spindle shaped      D. none of the above        |   |
| b. Identify the thermosetting plastic in the following.                               | 1 |
| A. PVC      B. Polythene      C. Bakelite      D. all of the above                    |   |
| c. Naphthalene balls are obtained from  | 1 |
| A. coke      B. coal tar      C. coal gas      D. natural gas                         |   |
| d. Which among the following is the correct relation between pressure, force and area | 1 |
| A. pressure = force/ area      B. force = pressure / area                             |   |
| C. pressure = area / force      D. none of the above                                  |   |
| e. The star nearest to us is  | 1 |
| A. Mercury      B. The Pole star      C. Sirius      D. The Sun                       |   |
| f. Which among the following is a green house gas                                     | 1 |
| A. carbon di oxide      B. nitrous oxide      C. methane      D. all of the above     |   |

**3. State TRUE or FALSE.**

- |   |   |
|---|---|
| a. Plastic bags are biodegradable.                      | 1 |
| b. Rolling friction is smaller than sliding friction.   | 1 |
| c. Forests are inexhaustible natural resources.         | 1 |
| d. During explosion heat, light and sound are produced. | 1 |
| e. Chlorination is used to purify water.                | 1 |
| f. Mars is called the Red Planet.                       | 1 |

**4. Give ONE word for the following.**

- a. The substances that reduce friction. 1
- b. The living substance of the cell. 1
- c. Raw materials of petroleum origin that are used to prepare synthetic fibres. 1
- d. The slow process of conversion of dead vegetation into coal. 1
- e. Substances that have low ignition temperature that catch fire easily. 1
- f. Groups of stars that appear to form recognizable shapes. 1
- g. Substances which contaminate air and water. 1

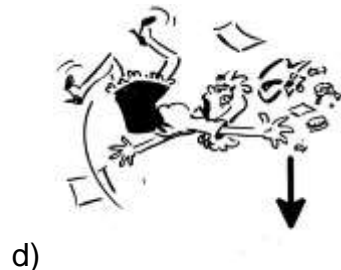
**SECTION B**

**Questions 5 to 19 carry 1 mark each.**

- 5. What are the thread like structures found inside the nucleus called? What is their function? 1
- 6. A horse pulls a cart with a force of 2000 N. Will the cart move if the force of friction between the cart and the ground is 2500 N? Why? 1
- 7. Hydrogen is not used as a domestic fuel though it has the highest calorific value. Why? 1
- 8. It is dangerous to wear synthetic clothes while working in the kitchen? Give reason. 1
- 9. Why do stars appear to move from east to west? 1
- 10. Deep sea divers wear specially designed suits while diving. Why? 1
- 11. Write one disadvantage of friction. 1
- 12. Name a unicellular and a multicellular organism. 1
- 13. Define spontaneous combustion. 1
- 14. We are able to see the moon though it is a non luminous object. Why? 1
- 15. Write the 4 R principle. 1
- 16. Name the purest form of carbon. Write one use. 1
- 17. What is potable water? 1
- 18. Give one way to save petrol/diesel while driving. 1
- 19. What is the cause of Marble Cancer? 1

**Questions 20 to 29 carry 2 marks each.**

- 20. Why is it difficult to drag a mat with a person sitting on it? 2
- 21. What force will produce a pressure of 50000 Pa on an area of 0.50m<sup>2</sup>? (write the necessary steps) 2
- 22. Write two ways by which plastics pollute the environment. 2
- 23. You are given two resources air and coal. Which of these will you use carefully? Give reason. 2
- 24. Identify the forces depicted in the pictures a), b), c) and d) shown below. 2



- 25. What are planets? Name the smallest and largest planets in our solar system. 2
- 26. Draw the structure of a nerve cell. What is its function? 2

27. What are CFCs? How do they cause pollution? 2
28. Give reason. 2
- a) It is difficult to burn a paper cup filled with water.
- b) Water is not suitable for fires involving oil and petrol.
29. Can we use PVC to make the handles of utensils? Justify your answer. 2

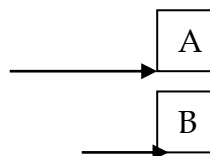
**Questions 30 to 34 carry 3 marks each.**

30. Look at the pictures given below and identify what is used to increase/decrease friction in each of these examples 3



31. Name the organism that makes ponds look green in colour. What makes it grow in excess? Why is it harmful? 3
32. Why does a candle burn with a flame while charcoal does not? 3
- a) A circular blackish ring is formed on a glass slide when it is introduced to the luminous zone of a candle flame. What does it indicate?
- b) Why do goldsmiths use the outermost zone of a flame to melt gold?
33. a) Where are asteroids found? 3
- b) Give the difference between meteors and meteorites. 3

34. 3



- a) Identify the type of cell shown in the picture. Justify your answer.
- b) Name the largest organelle observed in this cell. What is its function?
- c) Name the parts labelled A and B.

**Questions 35 carries 5 marks.**

35. a) Name the petroleum products used for i) road surfacing ii) jet aircrafts. 5
- b) Why is petroleum called 'black gold'?
- c) In deposits of petroleum and natural gas, why do we find them above the layer of water?
- d) Give two advantages of using CNG as a fuel.

End of the Question Paper.