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**INDIAN SCHOOL MUSCAT
MIDDLE SECTION
ANNUAL EXAMINATION 2018-19**



SUBJECT – SCIENCE

Code: MWSC02

CLASS: V

Time Allotted: 2 ½ Hrs.

11.03.2019

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

- a. The mineral present in limestone is _____. 1
- b. _____ erosion is greatest in dry region, particularly in desert. 1
- c. When you suck in air from a straw, air pressure inside the straw _____. 1
- d. The world's first artificial satellite is _____. 1
- e. The fixed point in a lever is called _____. 1
- f. The harmful substances that cause pollution are called _____. 1

2. Choose the correct answer

- a. Which of these rock is used in making Taj Mahal? 1
i) White Marble ii) Quartzite iii) Conglomerate iv) Marble
- b. Which of these is found on the moon? 1
i) Sunlight ii) Crater iii) Lake iv) Oxygen
- c. Which of these is a simple machine? 1
i) Screw ii) Inclined plane iii) Bottle opener iv) All of these
- d. Which of the following are the secondary consumers? 1
i) Plants ii) Decomposers iii) Carnivores iv) Herbivores
- e. Which of the following resources will not be available in the near future? 1
i) Diesel ii) Solar energy iii) Wind energy iv) All of these
- f. Which of these is the cause of drought? 1
i) Scarcity of water ii) Excess rain iii) strong winds iv) Fire

3. State TRUE or FALSE

- a. Cyclones are a common sight in the coastal areas of India. 1
- b. Burning of fuels decreases the level of carbon dioxide in the air. 1
- c. Plants do not depend on animals for oxygen. 1
- d. A sewing machine is a complex machine. 1
- e. Air exerts pressure in only one direction. 1
- f. Fossils are found in metamorphic rocks. 1

4. Give ONE word/ term for the following

- | | | |
|----|---|---|
| a. | The natural satellite of the earth. | 1 |
| b. | A grooved wheel with a rope passing through it. | 1 |
| c. | A wheel with a rod attached in the centre. | 1 |
| d. | The passage of food from one organism to another. | 1 |
| e. | Provides warmth for seeds to germinate. | 1 |
| f. | The natural surroundings in which living things live and survive. | 1 |
| g. | The layer of atmosphere that protects us from UV rays. | 1 |

SECTION B

Questions 5 to 19 carry 1 mark each

- | | | |
|----|--|---|
| 5 | What are fossils? | 1 |
| 6 | Why does GNEISS often glitter? | 1 |
| 7 | What are the human activities that lead to an increase in soil erosion? | 1 |
| 8 | Why do people who climb high mountains carry oxygen cylinders with them? | 1 |
| 9 | Moon does not give out its own light, but we are able to see Moon. Why? | 1 |
| 10 | Define "Humidity". | 1 |
| 11 | What is solar eclipse? | 1 |
| 12 | Form a food chain using the following examples.
Hen, Grain, eagle and snake | 1 |
| 13 | Why do we say that all animals depend on plants for food? | 1 |
| 14 | Who is an Ecologist? | 1 |
| 15 | List two effects of water pollution. | 1 |
| 16 | What are the voluntary services provided by the Red cross after an earthquake? | 1 |
| 17 | List any two damages caused by an earthquake. | 1 |
| 18 | Why do doctors accompany rescue workers when they go to flood affected areas? | 1 |
| 19 | What is aftershock in an earthquake? | 1 |

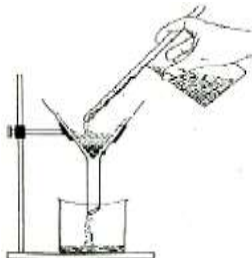
Questions 20 to 29 carry 2 marks each

- | | | |
|-----|---|---|
| 20 | a) Give one use of the following rocks.
i) Granite ii) Red sand stone
b) Give reason: Pumice looks like sponge with holes and pockets in it. | 2 |
| 21 | Why is it important to protect the soil from erosion? What are the ways by which soil can be conserved? | 2 |
| 22 | What is soil erosion? What are the effects of soil erosion on topsoil? | 2 |
| 23 | i) What are the processes involved in purification of water in city water works?
ii) Name the special light used in water to kill germs. | 2 |
| 24 | Differentiate between soluble substances and insoluble substances. Give example. | 2 |
| 25 | If a person weighs 48 kg on Earth what will be his weight on the Moon?
Show the steps to calculate the answer. | 2 |
| 26. | i) What is a simple pulley?
ii) What are the uses of a simple pulley? | 2 |

- 27 Why is water important for the survival of humans ?(any two points) 2
- 28 What are natural resources? Why should we conserve them? 2
- 29 In what way is a weather forecast useful in a natural calamity such as a flood or cyclone? 2

Questions 30 to 34 carry 3 marks each

- 30 How is petroleum formed? Mention any four products of petroleum. 3
- 31 How do the following methods help in reducing soil erosion? 3
A) Planting trees b) River embankments c) Shelter Belts
- 32 a) Name the method of separation in the diagram given below. 3



- b) What kind of impurities can be separated in the diagram shown above?
- c) Can we use this method to separate salt solution? Give reason to support your answer.
- 33 i) What are artificial satellites? 3
 ii) Give two ways in which artificial satellite is useful to us.
 iii) What are phases of moon?
- 34 i) In what way is photosynthesis useful to animals? 3
 ii) What do plants get from soil?
 iii) Name two decomposers.

Questions 35 carries 5 marks

- 35 Observe the figures given below and answer the following. 5
 Fig: 1

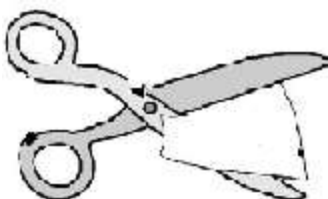


Fig: 2



- a) Identify the type of Levers in fig. 1 and fig. 2.
- b) Give one point of difference between the levers in fig.1 and fig.2.
- c) Draw labelled line diagrams for the above given levers in fig.1 and fig.2.
- d) Give reasons
- i) Winding roads are built on mountains.
- ii) Less force is needed to insert a screw into wood than a nail.

End of the question paper.