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**INDIAN SCHOOL MUSCAT
MIDDLE SECTION
ANNUAL EXAMINATION 2019-20**



SCIENCE

Code: MWSC01

SET B

CLASS: 5

Time Allotted: 2 ½ Hrs.

12.03.2020

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- 20 Marks

1.Fill in the blanks

- a. Rocks containing minerals from which metals that can be extracted are called _____ 1
- b. The _____ becomes thinner as we go higher and breathing becomes more difficult. 1
- c. The _____ is the only natural satellite of the Earth. 1
- d. The _____ is the natural surroundings in which a living thing lives and survives. 1
- e. Natural events that cause great damage to life and property are called natural _____ 1

2. Choose the correct answer

- a. This is a communication satellite. 1
 a. GOES-8 b. APOLLO 11 c. SPUTNIK 1 d. INSAT- 4CR
- b. Which machine should Kiran use for lifting his car to change its tyres? 1
 a. lever b. ramp c. screw jack d. wheel and axle
- c. Bacteria and fungi are known as 1
 a. producers b. decomposers
 c. primary consumers d. secondary consumers
- d. This is not an effect of global warming. 1
 a. Spilling of oil or petroleum b. Rise in level of water in oceans
 c. Melting of polar icecaps d. Flooding of places near the sea
- e. Floods can be prevented by 1
 a. farming b. overgrazing
 c. deforestation d. building more embankments on rivers

3. State TRUE or FALSE

- a. Air is a mixture of many gases. 1
- b. The moon shines because it reflects the light of the Sun. 1
- c. A pair of tongs is an example of second class lever. 1

- d. During photosynthesis plants take in oxygen and give out carbon dioxide. 1
- e. Aftershock causes the ground to shake some hours or even days after a major earthquake. 1

4. Match the following

- | | | |
|---------------------|-----------|---|
| a. Gneiss | Fossils | 1 |
| b. Sandstone | Mica | 1 |
| c. Igneous rock | Red Fort | 1 |
| d. White Marble | Pumice | 1 |
| e. Sedimentary rock | Taj Mahal | 1 |

SECTION B

Questions 5 to 22 carry 1 mark each.

- 5 Name the rock that looks like pebbles cemented together with minerals. 1
- 6 Name two gemstones. 1
- 7 What happens when Raju grazes his cattle in the same grassland again and again? 1
- 8 It is not possible to hear any sound on the surface of the moon, why is it so? 1
- 9 In which layer of the atmosphere do jet planes fly? 1
- 10 When a glass is placed over a burning candle, the flame goes off after a few seconds. Which property of air is shown by this activity? 1
- 11 What would be your weight on the Moon, if you weigh 30kg on Earth? 1
- 12 Name the fertile layer of the soil that has humus required for the growth of plants. 1
- 13 Winding roads are an example of the application of which type of simple machine? 1
- 14 A wheel becomes a simple machine when an axle is added to turn the wheel. What is such a machine called? 1
- 15 Which gas is used by plants during respiration? 1
- 16 What does a food chain show? 1
- 17 Can planting trees reduce global warming? How? 1
- 18 We should not throw plastic bottles and cans into the garbage bins. Why? 1
- 19 In severe drought, people die of shortage of food. Name this disaster. 1
- 20 Doctors accompany rescue workers when they go to flood affected areas. Why is it necessary? (1 point) 1
- 21 What changes can be observed near the sea during cyclones? 1
- 22 How does the army help people affected by cyclones and floods? (mention one service) 1

Questions 23 to 33 carry 2 marks each

- 23 After reading an article on, "Wealth from Rocks" Manu said to Manju, "We should use coal and petroleum wisely." 2
 - a. Why should we use these fuels wisely?
 - b. List any two products obtained from petroleum.
- 24 a. Soil erosion by wind is greatest in a desert. Why? 2
 - b. Give reason. Farmers leave the stumps and roots of harvested crops on the field.
- 25 a. What is afforestation? 2
 - b. How do the shelter belts help in reducing soil erosion?
- 26 a. Water is made fit for drinking in the city waterworks. List the processes involved. 2
 - b. Why is the filtered water treated with chlorine?
- 27 a. When an inverted mug is introduced into a bucket of water, water does not rush into the mug. Which property of air is shown by this activity? 2
 - b. Give one use of distilled water.
- 28 Differentiate between solar eclipse and lunar eclipse. 2

- 29 Sunil works at a carpentry workshop. He wants to fix the legs of tables and chairs firmly. 2
 a. What should he use – nails or screws?
 b. Why are they used?
- 30 a. Living things depend on non-living things for their survival. Is it so? If yes, mention 2
 any two of such non-living things.
 b. Several life process in the bodies of animals require water. Mention one example to justify the statement.
- 31 a. Give two examples of animals which help in the dispersal of seeds. 2
 b. Construct a food chain. (any one food chain)
- 32 a. What is the role of the ozone layer in the atmosphere? 2
 b. Name the major component of air.
- 33 On 26 January 2001, there was a very strong and devastating earthquake in Gujarat, 2
 India.
 a. Write any one damage caused by an earthquake.
 b. What should be done during an earthquake? Suggest any one point.

Questions 34 to 38 carry 3 marks each

- 34 a. Differentiate between soil erosion and soil conservation. 3
 b. Name the kind of farming done on hill slopes to prevent soil erosion.
- 35 Think and answer. 3
 a. What is the percentage of oxygen in the atmosphere?
 b. Why do mountaineers carry oxygen cylinders while climbing high mountains?
 c. Name the gas present in a very small quantity in air and very important to plants.
- 36 a. Name the first manned spacecraft to reach the Moon on 21 July 1969. 3
 b. Give two ways in which artificial satellites are useful to us.

or

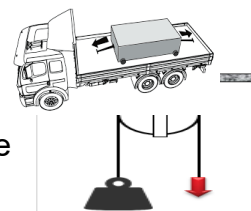
- a. What are craters?
 b. What is the approximate time the Moon takes to complete one revolution?
 c. The Moon appears bigger than the stars in the sky. Why?
- 37 In what ways do plants and animals depend on each other? (½ mark for each point) 3
- 38 Think and answer. 3
 a. What can be done to save our natural resources of petrol and diesel?
 b. How can you say that wind energy is more environment friendly? (one point)
 c. Suggest one way how school going students can help in reducing air pollution.

Question 39 carries 5 marks

- 39 a. Differentiate between a simple machine and a complex machine. (2 marks) 5
 b. Draw line diagrams to show the three classes of levers and mark the position of the load, effort and fulcrum. (1 mark each)

Or

- a. Look at the figure shown and answer the following.
 i) Name the simple machine
 ii) Identify the type of lever.
 iii) Draw its line diagram to show the position of effort, fulcrum and load.
- b. Ravi wants to unload a fridge from a truck. He is not able to lift it. Which simple machine can help him?
- c. A single fixed pulley does not reduce the effort required to lift the load.



So how does it make the work easier?

End of the question paper.