



**INDIAN SCHOOL MUSCAT  
MIDDLE SECTION  
FINAL EXAMINATION 2017-18**



**SCIENCE**

**Code: MWSC02**

**CLASS: V**

**ANSWER KEY**

**Time Allotted: 2 ½ Hrs.**

**08.03.2018**

**SECTION A**

**Max .Marks: 80**

**1.Fill in the blanks**

- |    |            |   |
|----|------------|---|
| a. | Basalt     | 1 |
| b. | Weathering | 1 |
| c. | Humidity   | 1 |
| d. | Moon       | 1 |
| e. | Fulcrum    | 1 |
| f. | Pollutant  | 1 |

**2. Choose the correct answer**

- |    |              |   |
|----|--------------|---|
| a. | conglomerate | 1 |
| b. | New moon     | 1 |
| c. | all of these | 1 |
| d. | carnivores   | 1 |
| e. | Diesel       | 1 |
| f. | Earth quake  | 1 |

**3. State TRUE or FALSE**

- |    |       |   |
|----|-------|---|
| a. | True  | 1 |
| b. | False | 1 |
| c. | True  | 1 |
| d. | True  | 1 |
| e. | False | 1 |
| f. | True  | 1 |

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

- |    |                   |   |
|----|-------------------|---|
| a. | Gravity           | 1 |
| b. | Pulley            | 1 |
| c. | Screw             | 1 |
| d. | Fungi or bacteria | 1 |
| e. | Food chain        | 1 |
| f. | Environment       | 1 |
| g. | Stratosphere      | 1 |



## SECTION B

### Questions 5 to 19 carry 1 mark each

- 5 What is the TajMahal made of? 1  
**A) It is made of white marble.**
- 6 What is planting of trees in large numbers called? **A) Afforestation** 1
- 7 Which method will you use to separate tea leaves from tea? **A) Filtration/sedimentation and decantation** 1
- 8 Why is chlorination done while purifying water in the waterworks? 1  
**A) To kill germs present in water.**
- 9 How does the moon shine even though it does not have light of its own? 1  
**A) It reflects the light of the Sun.**
- 10 Why is there no life on the moon? 1  
No atmosphere/no water
- 11 Why is sunlight important for plants?photosynthesis/germinate.(any one) 1
- 12 How do animals depend on plants?(Mention 2 points) 1  
**A) food/oxygen/shelter**
- 13 What are herbivores called in a food chain? **A) primary consumer** 1
- 14 Name two sources of energy which cause no pollution. **A) wind, solar energy** 1
- 15 What are two ways in which noise pollution affect people? 1  
**A) deafness and high blood pressure.**
- 16 What is famine? 1  
**A) shortage of food due to drought.**
- 17 Name any two natural calamities. 1  
**A) Cyclone, Earthquakes, Drought**
- 18 What are high waves caused by strong winds called? **A) tidal waves** 1
- 19 Name any two things provided by the government during a natural calamity. 1  
**A) medicines, food, water, beds,shelter.**

### Questions 20 to 29 carry 2 marks each

- 20 What are ores? Name any two metals extracted from their ores. 2  
**A) Rocks containing metals which can be extracted. Aluminium, copper, iron**
- 21 Write two ways in which soil is useful for living things. 2  
**A) Plants take in water and minerals, many animals live in soil, we get products from soil to build houses**
- 22 a.What is the result of soil erosion by water? **A) floods/erosion on hilly area** 2  
b.How can we prevent it? **A) building embankments or bunds along the banks/terrace farming**
- 23 Name the solute and solvent present in sugar solution. 2  
**A) solute-sugar, solvent-water**
- 24 State two uses of artificial satellites. 2  
**A) used to forecast weather, help in communication.**
- 25 If a person weighs 54kg on the Earth, what will be his weight on the moon? 2  
Weight on the moon= $54/6= 9\text{Kg}$

- 26 Name the simple machine used in these pictures 2
- a.  b. 
- A) Wheel and axle** **B) Pulley**

- How do plants and animals depend on each other for their requirement of oxygen and carbondioxide? 2
- 27 **A) Plants give out oxygen during photosynthesis which is taken in by animals.**  
**Animals give out carbon dioxide during respiration which is taken in by plants(1 mark)**
- 28 Why is plastic considered to be harmful to the environment? 2
- A) remain on land for a long time and pollute it, gives out poisonous gases when burnt.(1 mark each)**
- 29 Give any two ways in which people respond to a cyclone warning? 2
- A) they move to safer places, they move their belongings, make their roofs stronger, store extra food and water.**

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

- 30 a. Identify the given picture. 3
- A) fossil of a fish/fossil (1 mark)**
- b. In which rock will you find this.
- A) Sedimentary rock (1 mark)**
- c. Name the type of this rock formed from
- i. sand - **sandstone**      ii. A mineral called calcite- **limestone ( half mark each)**
- 31 Write three ways in which human activities can cause soil erosion 3
- A) deforestation, overgrazing, ploughing, constructions ( 1 mark each)**
- 32 a. What is atmosphere? 3
- A) blanket of air surrounding the earth. . ( 1 mark)**
- b. Which are two lower layers of atmosphere?
- A) troposphere, stratosphere. ( half mark each)**
- c. Why is ozone layer important?
- A) absorbs harmful UV rays which enter the earth. . ( 1 mark)**
- 33 a. what is the position of the sun, moon and earth during a solar eclipse. 3
- A) Moon comes in between the Sun and the Earth. . ( 1 mark)**
- b. What is the difference between a total solar eclipse and a partial solar eclipse?
- A) total solar eclipse- Sun is completely blocked by the Moon. .**  
**Partial solar eclipse- Sun is partially blocked by the Moon. ( half mark each)**
- c. Why shouldn't we watch a solar eclipse directly even through glasses?
- A) The light from the Sun can damage our eyes. . ( 1 mark)**
- 34 a. What is a food chain? 3

A) **transfer of food from one organism to another. ( 1 mark)**

b. Draw a food chain using the following organisms  
eagle, rice, rat, snake.

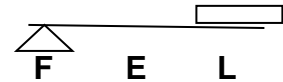
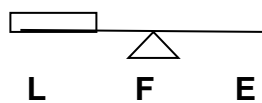
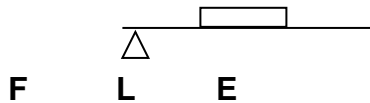
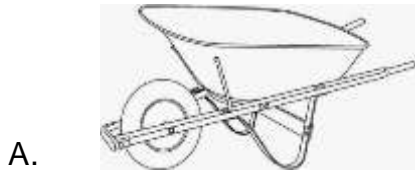
A) **rice----- rat----- snake-----eagle (2mark)**

**Questions 35 carries 5 marks**

35 a. What is a lever? 5

A) **a rod free to move about a fixed point. (1 mark)**

b. Given below are examples for the three classes of levers. Draw the line diagram for each showing the position of load, effort and fulcrum.(1 mark each)



c. What type of machine is a washing machine?(1 mark)

A) **It is a complex machine.**