



**INDIAN SCHOOL MUSCAT
MIDDLE SECTION
FIRST TERM EXAMINATION 2018-19**



SCIENCE

Code: MZSC08

CLASS:VIII

ANSWER KEY

Time Allotted: 2 ½ Hrs.

23.09.2018

Max .Marks: 80

SECTION A

1.Fill in the blanks

- | | |
|-------------------------|---|
| a. acrylic | 1 |
| b. nucleus | 1 |
| c. celestial | 1 |
| d. nuclear | 1 |
| e. Magnetic/non contact | 1 |
| f. smog | 1 |

2. Choose the correct answer

- | | |
|---------------------------|---|
| a. Spindle shaped | 1 |
| b. bakelite | 1 |
| c. Coal tar | 1 |
| d. pressure = force/ area | 1 |
| e. The Sun | 1 |
| f. all of the above | 1 |

3. State TRUE or FALSE

- | | |
|------|---|
| a. F | 1 |
| b. T | 1 |
| c. F | 1 |
| d. T | 1 |
| e. T | 1 |
| f. T | 1 |

4. Give ONE word / term for the following

- | | |
|-----------------------------|---|
| a. lubricants | 1 |
| b. protoplasm | 1 |
| c. petrochemicals | 1 |
| d. carbonisation | 1 |
| e. Inflammable substances | 1 |
| f. constellation | 1 |
| g. Pollutants/ contaminants | 1 |

SECTION B

Questions 5 to 19 carry 1 mark each

5	Chromosomes, carry genes	½, ½
6	No, force of friction is greater	½, ½
7	Not safe to handle/cause explosion	1
8	It melts and sticks to the body	1
9	This is due to the rotation of the earth	1
10	Pressure increases with depth of the liquid	1
11	Wear and tear/cause heat/damage machines etc	1
12	Any 1 example each	½, ½
13	The type of combustion in which a material burns suddenly without the application of any apparent cause	1
14	It reflects the sunlight	1
15	Reduce, Reuse, Recycle, Recover (any 1 wrong give ½)	1
16	Coke, steel industry/extraction of metals	1
17	Drinking water	1
18	Don't over speed/maintain tyre pressure /stop engine at signal etc (any 1)	1
19	Acid rain	1

Questions 20 to 29 carry 2 marks each

20	Greater the mass, greater interlocking of irregularities between 2 surfaces	1, 1
21	$F = P \times A$, $50000 \times 0.5 = 25000 \text{ N}$ (-½ if no unit)	½ech
22	Any 2	1ech
23	Coal, coal is exhaustible while air is inexhaustible	1, ½½
24	a)Electrostatic b)muscular c)magnetic d)gravitational	½ech
25	Any celestial body that revolves around a star, Mercury, Jupiter	1, ½, ½
26	Diagram, receives and transfers messages	1, 1
27	Chlorofluorocarbons/pollutants used in refrigerators, AC etc, Depletes the ozone layer that protects us from uv rays	1, 1
28	a)The heat is transferred to the water and so the cup doesn't reach its ignition temperature b) Water being heavier sinks below the oil.	½½, 1
29	No, it is thermo plastic and so melts on heating	1, 1

Questions 30 to 34 carry 3 marks each

30	a)spikes to increase b)rollers to decrease c) treads to increase	1ech
31	Algae Cause-Excessive quantities of chemicals Harmful effect- growth of bacteria/toxic/depletion of oxygen that kills aquatic life	1ech
32	a)Wax vaporizes while charcoal does not b)Un burnt carbon particles are found in the luminous zone c)it is the hottest part of the flame	1ech
33	a) Between the orbits of Mars and Jupiter b) Meteors are small rocky objects that enter the atmosphere of the earth and get burned up due to air friction. Large meteors that do not get burnt up completely in the atmosphere and land on the earth are called meteorites.	1 2
34	a)Plant cell, presence of cell wall/large vacuole/plastid (any 1) b) Vacuoles. They store water, minerals, pigments etc. c) A-nucleolus, B-cell wall	½, ½ ½, ½ ½, ½

Questions 35 carries 5 marks

- | | | |
|----|---|----------------------------|
| 35 | a) i)Bitumen ii) kerosene | $\frac{1}{2}, \frac{1}{2}$ |
| | b)many commercial uses | 1 |
| | c) being lighter they float on water | 1 |
| | d) clean fuel/can be easily transported etc (any 2) | 2 |

