



**MODEL ACADEMY**  
(THE PRESTIGIOUS SCHOOL OF MIER)

Q.F. No. 107

**Class: 8th**  
**Subject: Science**

**Session Ending Exam 2019-20**  
**Sample Paper**

**Time: 2hr 30 min**  
**Max. Marks: 80**

Q.1 Multiple type questions: (1x5=5)

Choose the correct option:

1. Which of these is not malleable and ductile?

- (a) copper (b) aluminium (c) silver (d) sodium

OR

Metals react with oxygen to form \_\_\_\_

- a) basic oxides b) acidic oxides c) hydroxides d) neutral oxides

2. Which among these is a contact force?

- (a) electrostatic (b) magnetic (c) frictional (d) gravitational

3. Which among these adjust the light entering the eye?

- (a) cornea (b) pupil (c) iris (d) retina

4. Which of these is an air pollutant?

- (a) helium (b) sulphur dioxide (c) ozone (d) neon

5. Which of these metals is deposited on iron objects to give them a shiny look and to protect them from corrosion?

- (a) gold (b) silver (c) chromium (d) tin

Q.2 Fill in the blanks : (1x5=5)

1. Metals and coal are \_\_\_\_.

2. The thin outer covering of the cell is called \_\_\_\_.

3. \_\_\_\_ are atoms or group of atoms with an electric charge.

4. The angle of \_\_\_\_ is the angle between the incident ray and the normal.

5. The distance of the Sun from the Earth is \_\_\_\_ minutes

OR

A meteoroid that reaches the Earth's surface is called a \_\_\_\_.

Q.3 Very short answer questions:

(1x10=10)

1. What is drag?
2. Name the organelle that provides a cell with energy for life processes.
3. What is the full form of CFC?

OR

What is the full form of GPS?

4. Which is the second largest planet, which is very cold and surrounded by rings made of ice and dust.
5. Name the comet which appears after every 76 years.
6. Define reflection.
7. What is static electricity?
8. What is the unit of measurement of loudness of sound?
9. What is force?
10. Name two non-metals.

Q.4 Short answer questions:

(3x10=30)

1. What is the difference between a mineral and an ore?
2. Explain the relationship between the cells and tissues, giving one example each.
3. Why are dams over rivers made broader at the bottom than at the top?
4. Differentiate between static and sliding friction. Which is greater?
5. What factors decide the frequency vibration of an air column?

OR

What is a comet? Why does it have an illuminated tail?

6. What are the changes observed after the electrolysis of copper sulphate using copper electrodes?
7. List three safety measures against lightning strike.

OR

Why do earthquakes occur?

8. Draw a ray diagram to locate the image of an object placed 4cm in front of a plane mirror.

OR

What is the blind spot? Where is it located?

9. What are artificial satellites?

10. What is air pollution ? Why have some countries banned indoor smoking?

Q.5 Long answer questions:

(5x6=30)

1. How can you charge an object such as a metal cylinder by conduction? What charges will the object acquire?

OR

Describe how you electroplate an iron spoon with copper?

2. Write the uses of artificial satellites.

3. Write a short note on Algal bloom.

OR

How can you locate the position of the pole star?

4. List the precautions to be taken during and after an Earthquake.

OR

Why does a Pencil dipped in water appear to be bent at the surface of water?

5. Discuss the causes of global warming and the effects global warming is likely to have.

6 Draw a well labelled diagram of an eye.