

- I. Fill in the blanks : (1X5=5)
- \_\_\_\_\_ is known as the evening star.
  - \_\_\_\_\_ is the satellite of Mars.
  - Moving air is called \_\_\_\_\_.
  - The speed of the wind is measured by \_\_\_\_\_.
  - \_\_\_\_\_ promote research on monsoon meteorology.
- II. Name the following (1 x5=5)
- Minor planets that revolve around the sun.
  - Planets which are composed of gases.
  - Most common form of precipitation.
  - Scientist who study and forecast weather condition.
  - The instrument used to measure air pressure.
- III. Match the following : (1X5=5)
- |                  |               |
|------------------|---------------|
| a. Rain gauge    | Gas giant     |
| b. Europa        | precipitation |
| c. Hale Bopp     | weather       |
| d. Jovian Planet | Jupiter       |
| e. Troposphere   | Alan Hale     |
- IV. Define the following: (1X4=4)
- Jovian planet
  - Insolation
  - Dwarf planet
  - Terrestrial planet
- V. Give reasons for the following: (2X7=14)
- Why is stevensons screen required for the weather instrument?
  - Wind direction is guided by Coriolis force.

- c. Planets shine with the reflected light of the sun.
- d. The sky of mercury is always dark.
- e. Sun keeps glowing all the time.
- f. The same side of the moon is always seen from the earth.
- g. Comets are often called dirty snow ball.

VI. Distinguish between : (2x5=10)

- a. Planet and satellite
- b. Waxing and waning
- c. Comets and satellites
- d. Humidity and precipitation
- e. Galaxy and Nebula

VII. Answer in brief: (1X7=7)

- a. Which organisation is responsible for collecting weather related data in India?
- b. What is a meteor?
- c. How does snowfall occur?
- d. Write any four factors which affect the temperature of any place
- e. Name the wind that enters India in June-July due to Coriolis force
- f. Who are the meteorologists?
- g. What is diurnal range of temperature?

VIII. Answer in detail : (3X10=30)

- a. What precautions are taken to install a rain gauge?
- b. Why is weather forecast necessary?
- c. Explain the importance of sunshine in determining climate.
- d. Describe the distinctive features of Uranus.
- e. Explain the composition of Sun.
- f. What makes Venus unsuitable for living?
- g. How will you record maximum and minimum temperature ?
- h. Earth is called a unique planet . Why?
- i. What is temperature?. Name the instrument used for measuring temperature .
- j. What are the functions of meteorological stations?