



GRADE: IV	SUBJECT: SCIENCE	DATE: 12.03.2025	TIME: 3HRS	MARKS: 60
---------------------	----------------------------	----------------------------	----------------------	---------------------

SECTION A

Q1. Multiple Choice Questions

(16Q X 1M = 16M)

- Dolphins belongs to _____
a. **Mammals** b. Birds c. Reptiles d. Amphibians
- About _____ percent of the Earth surface is covered with water.
a. 88 b. 72 c. **71** d. 73
- Which of the following has ridges along its surface ?
a. Nail b. **Screw** c. Scale d. Inclined plane
- The animals who spend a lot of their time on trees are called _____ animals.
a. **Arboreal** b. Aquatic c. Aerial d. Land
- Which of the following is a dwarf planet?
a. Mercury b. **Pluto** c. Venus d. Earth
- We get _____ and _____ from Sun.
a. Air and water b. Food c. **Heat and Light** d. None of the above
- If the temperature is high then the rate of evaporation is _____
a. **Faster** b. Slower c. Moderate d. No change
- Push or Pull acting on object is called _____
a. **Force** b. Pressure c. Energy d. None of the above
- The amount of water vapor in air is called _____
a. Breeze b. Rain c. Wind d. **Humidity**
- Hot air is _____ than the cool air.
a. Smaller b. Heavier c. **Lighter** d. Both a and b
- _____ planet is called Earths twin
a. Mercury b. Mars c. **Venus** d. Neptune
- Which planet is called blue planet?
a. **Earth** b. Venus c. Saturn d. Neptune
- The temperature of Venus is _____ degree Celsius
a. **400** b. 300 c. 500 d. 600
- _____ is frozen rainfall.
a. **Hail stones** b. All of the above c. Frost d. Dew drops
- What is the full form of CNG?

- a. Composed Natural Gas
- c. Component of Natural Gas

- b. **Compressed Natural Gas**
- d. None of the above

16. _____ causes day and night.

- a. **Rotation of Earth**
- b. Revolution of Earth
- c. Moving of Earth
- d. None of the above

SECTION B

QII Fill in the blanks

(3Q X 1M = 3M)

- 17. An egg has a hard outer **_shell_**.
- 18. We can change the shapes of some solids by using **__force__**.
- 19. The **__sun__** is the main source of energy on earth.

QIII True or False

(3Q X 1M = 3M)

- 20. Animal that lay eggs to reproduce are called mammals. **False**
- 21. The states of matter cannot be changed. **False**
- 24. Coal is a Natural source of energy. **True**

QIV. Match the following:

(3Q X 1M = 3M)

- | | | | |
|------------------------------------|----------|---|-------|
| | ‘ A ’ | | ‘ B ’ |
| 26. Snow | b | a. Gaseous state of water | |
| 27. Water Vapor | a | b. Precipitation in extremely cold places | |
| 28. Energy used to light oil lamps | d | c. Muscular | |
| | | d. Fuel | |

QV. Short answer questions.

(3Q X 2M = 6M)

29. What causes day and night?

The Earth rotates on its axis which causes day and night. This is called rotation of Earth. The Earth takes 24hours or on entire day to complete one rotation on its own axis.

30. How is frictional force is helpful? Explain with example

When friction is applied, it slows down the movement of an object. Without friction, an object in motion would always stay in motion. It would not be possible to stop its movement.

31. Are the things we see in the sky the same as we see them? Support your answer with reason.

The things that we see in the sky are much larger in size from the size we see them in. This is because they are at a very far distance.

SECTION C

QVI. Answer the following

(5Q X 3M = 15M)

32. Write any three difference between the tadpoles and the frog.

Tadpole	Frog
They live in water	They live in both land and on water
Tadpoles are legless, have tails	Frogs have 4 legs
Breathe with gills	Breathe with lungs

33. Write any three properties of gases.

- 1. Gases are loosely packed
- 2. No definite shape and no definite volume
- 3. Molecules can move freely.

34. Explain why solar energy is the most important type of energy?

- i) The Sun is the biggest source of energy. This is called solar energy.
- ii) Solar energy is used to produce heat, electricity, and light
- iii) Plants use energy from the Sun to prepare food.
- iv) Solar energy is considered as a cleaner form of energy, in comparison to the energy acquired from fuels.

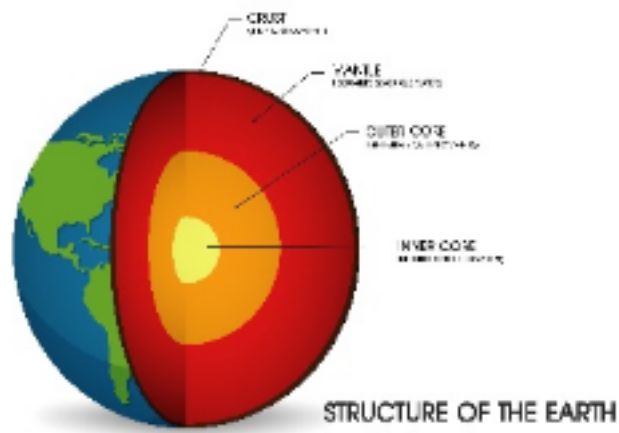
35. Define land breeze. Write 2 factors which help in evaporation of water

At night, when the Sun's heat is minimum, the land and the air above it cool quicker than the sea. Warm air above the sea rises upwards and cool air from the land rushes to take its place. This is called land breeze.

Factors help in evaporation of water are:

- 1. Wind
- 2. Temperature

36. Draw neat labelled diagram of layers of Earth.



QVII.

Answer the following in brief

(2QX5M= 10M)

37. a) What is Satellite? (2M)

A celestial body which revolves around a planet is called its satellite.

b) What is a Moon ? List all the planets that have moon. (3M)

The moon is a natural satellite which means it revolves around a planet. The planets that have moons are Earth ,Mars, Jupiter, Saturn, Uranus and Neptune.

38. Describe any two sources of energy.

The ability to do work is called energy.

a)Sun: i] Sun is the biggest source of energy. This is called solar energy.

ii] Plants use energy from the Sun to prepare food.

iii] Solar energy is useful for producing heat, electricity and light.

iv] Solar energy is considered a cleaner form of energy.

b)Water: i] Moving water produces a lot of energy. This energy is called hydropower.

ii] We use this energy for the production of electricity.

SECTION D

QVIII. **Case based question**

(1Q X 4M = 4M)

39. Ria saw a puddle of water outside her house after a rainy day. After a few a few days ,the puddle disappeared. She wondered where the water went.

a)Which process occurred when the water from the puddle turned into water vapour?

Ans. Evaporation

b)Where did the water vapour from the puddle go?

Ans. Into the air

c) What happens to the water vapour when it cools down in the air?

Ans. Condenses into cloud

d)How does the water eventually return to the Earth?

Ans. Precipitation (rain/ snow)