

**SECTION-A**

**A. Choose the correct option:**

**10 x 1 = 10**

1. Ice represents this state of matter.  
a) Solid                                      b) Liquid                                      c) Gas
2. Ozone layer is depleting rapidly because of release of \_\_\_\_\_.  
a) Methane gas                              b) Sulphur                                      c) Carbon dioxide
3. Bio-energy is obtained from this source.  
a) Wood                                      b) Straw                                      c) Both a and b
4. Contact lenses are worn directly on the \_\_\_\_\_ of eye.  
a) Retina                                      b) Pupil                                      c) Eyelash
5. Heavy loads are loaded into trucks using the \_\_\_\_\_.  
a) pulley                                      b) inclined plane                                      c) lift
6. \_\_\_\_\_ contribute to the fertility of the soil.  
a) Turtles                                      b) Earthworms                                      c) Snakes
7. A drought is always followed by \_\_\_\_\_.  
a) famine                                      b) floods                                      c) landslide
8. This transport enables door to door delivery of goods.  
a) Air                                      b) Rail                                      c) Road
9. A lens is made up of \_\_\_\_\_.  
a) fabric                                      b) glass                                      c) water
10. This is an example of class III Lever.  
a) Bottle opener                                      b) Fishing pole                                      c) Scissors

**B. Fill in the blanks:**

**10 x 1 =10**

11. \_\_\_\_\_ is the most harmful effect of air pollution.
12. \_\_\_\_\_ is the science of investigating small objects using the microscope.
13. Plants reproduce through \_\_\_\_\_.

14. Tsunami is a series of \_\_\_\_\_.
15. \_\_\_\_\_ turn wind into electricity.
16. On heating, water changes into \_\_\_\_\_.
17. \_\_\_\_\_ transport remains the largest carrier of freight in the world.
18. A \_\_\_\_\_ is made up of two inclined planes back to back.
19. Seeds develop hooks and \_\_\_\_\_ which stick to the body of the animal.
20. Planting trees is the best way to tackle \_\_\_\_\_.

**C. Write 'T' for true and 'F' for false statements.**

**5 x 1 = 5**

21. In a class one lever the load is in the middle.
22. An earthquake happens because of thunderstorms.
23. Energy is created when we perform activities.
24. The refrigerated ships are called transfers.
25. Solids have definite shape and volume.

**D. Choose the correct answer:**

**3 x 1 = 3**

- a) Both A and R are true and R is the correct explanation of A.
  - b) Both A and R are true but R is not the correct explanation of A.
  - c) A is true but R is false.
  - d) A is false but R is true.
26. **Assertion (A):** Bees are not important for maintenance of life on the Earth.  
**Reason (R) :** Bees help in pollination of flowers.
27. **Assertion (A) :** Oil spills do not cause water pollution.  
**Reason (R) :** Oil spills cut off the air supply for aquatic animals..
28. **Assertion (A) :** Solar energy is a sustainable source of energy.  
**Reason (R) :** We have to use geothermal energy to trap solar energy.

**SECTION -B**

**E. Define the following: (ANY THREE)**

**3 X 2 = 6**

- |               |               |                       |                        |
|---------------|---------------|-----------------------|------------------------|
| 29. Excretion | 30. Pollution | 31. Cross-pollination | 32. Natural calamities |
|---------------|---------------|-----------------------|------------------------|

**F. Answer the following short answer questions: ( ANY FOUR)**

**4 X 2 = 8**

33. How do states of matter change?
34. What are the benefits of means of communication.
35. How has invention of wheels benefitted the humans?

36. Suggest some measures to help disaster – hit people.

37. Define work. When is work said to be done?

38. How does light enable us to see things?

### SECTION – C

**G. Answer the following long answer questions: ( ANY THREE)**

**3 X 3 = 9**

39. How do plants provide shelter and safety to animals? Give examples

40. What is tsunami? What are its effects?

41. Write some measures to control land pollution.

42. What are the uses of microscope?

43. What do you understand by nutritional interdependence between plants and animals? Explain.

### SECTION – D

**44. Identify the following pictures:**

a)



b)



c)



**3 x 1=3**

**45. Identify and classify them as class I, class II and class III levers.**

**3 x 1=3**

a)



**Hammer**

b)



**Tongs**

c)



**Wheelbarrow**

**46. Read the paragraph and answer the following questions:**

**3 x 1=3**

The economic, social and political life of a country depends upon an efficient system of transport. Road transport , railway transport, water transport and air transport are different means of transports.

1. The National highways and expressways come under which transport system?

a) water

b) rail

c) road

d) air

2. Which mode of transport is the fastest mode of travelling?

- a) air              b) road              c) rail              d) water

3. Which transport system is the largest carrier of freight in the world?

- a) rail              b) water              c) road              d) air
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