

Science and Technology - II

Write the correct alternative :

5 × 1=5

- 1) What are the two technologies for harnessing solar energy? 1
- A) Solar photovoltaics and solar thermal
 - B) Solar cooker and solar lamp
 - C) Heat capturing and Heat conversation
 - D) Active and passive technologies
- 2) Pranav and Pritee are twins in your class. They belong to twins type. 1
- A) monozygotic
 - B) dizygotic
 - C) siamese
 - D) none of the above
- 3) Giant squirrel is an species. 1
- A) indeterminate
 - B) rare
 - C) endemic
 - D) endangered
- 4) Vegetative propagation is performed with the help of in sweet potato. 1
- A) root
 - B) stem
 - C) leaf
 - D) flower
- 5) In which of the following industries microbial enzymes are not used? 1
- A) Glass industry
 - B) Cheese industry
 - C) Tanning industry
 - D) Paper industry

Answer the following :**5 × 1=5**

- 6) Find the odd one out :
Edible oil, crude oil, LPG, CNG 1
- 7) Name the following:
Fish that can breathe with help of lungs. 1
- 8) Name water soluble vitamins. 1
- 9) In terms of Chemistry what happens actually when a molecule is oxidized? 1
- 10) Frog : Amphibia : : Turtle : 1

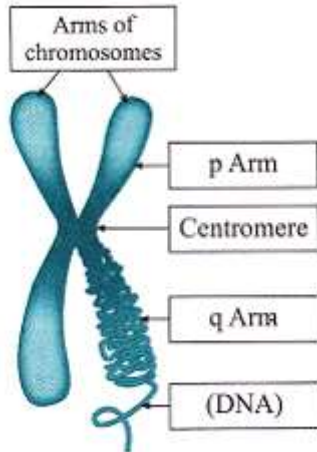
Answer the following (any Five) :**5 × 2=10**

- 11) What do we mean by natural and artificial pollution? 2
- 12) What provision was done for effective implementation of environment related laws?
When? 2
- 13) Name the following : Symptoms of syphilis. 2
- 14) Which are main types of cell division? What are the differences? 2
- 15) Which type of cellular respiration performs complete oxidation of glucose? 2
- 16) Define : Vegetative propagation : 2
- 17) Sketch, label and classify the following organisms:
Planaria 2
- 18) What is solar photovoltaic effect? 2

Answer the following (any Five) :**5 × 3=15**

- 19) Explain Power plant based on wind energy : 3
- 20) Write short note on : Disaster Management Act 2005 3
- 21) Which cycles are operated in environment? What is their importance? 3
- 22) Give Scientific Reason: We feel exhausted after exercising. 3
- 23) What is the importance of digestive juices in digestive system? 3
- 24) What is the importance of balanced diet for body? 3

- 25) Effective disaster management makes us well prepared for future. 3
- 26) What is the shape of chromosome? Give its names in the adjacent figure: 3



Answer the following (any One) :

1 × 5=5

- 27) Which products produced through biotechnology do you use in your daily life? 5
- 28) Observe and label the diagram: 5

