

Chapter 6

Life Processes

- 1 In Photosynthetic process, atmospheric carbon di oxide is _____ to carbohydrates** **b**
 - a) oxidised
 - b) Reduced
 - c) Neutralised
 - d) Burnt
- 2 When water enters the guard cells the stomata** **a**
 - a) Opens
 - b) Closes
 - c) Open or closes
 - d) No effect
- 3 On seeing good food our mouth waters. This fluid is actually** **c**
 - a) Water
 - b) Hormone
 - c) Enzyme
 - d) None of the above
- 4 The enzyme Pepsin is inactive in stomach without the presence of** **b**
 - a) Nitric Acid
 - b) Hydrochloric acid
 - c) Acetic acid
 - d) Butyric acid
- 5 Villi present on the inner lining of the intestinal wall** **d**
 - a) Secrete enzymes for digestion
 - b) Secrete hormones
 - c) Decreases the surface area for absorption
 - d) Increases the surface area for absorption
- 6 During cellular respiration one molecule of glucose is first broken down into two molecules of _____** **b**
 - a) Acetic acid
 - b) Pyruvic acid
 - c) Lactic acid
 - d) None of the above
- 7 Rajib was absent in the class because of muscle pain which he claims to be due to excess physical exercise he had done yesterday. This pain is due to** **a**
 - a) Formation of lactic acid
 - b) Formation of acetic acid
 - c) Formation of Pyruvic acid
 - d) Formation of Hydrochloric acid
- 8 Right part of the human heart contains** **c**
 - a) Oxygenated blood
 - b) Mixed blood
 - c) Deoxygenated blood
 - d) No blood
- 9 The transport of soluble products of photosynthesis is called translocation and it occurs in the part of the vascular tissue called** **c**
 - a) Xylem
 - b) Sclerenchyma
 - c) Phloem
 - d) Collenchyma

d

- b

- a**

- C**

- d**

- C**

- b**

- d**

- a**

- C**

- c) Ureter d) None of the above

10 Eggs starts developing in human female

d

- a) When she attains puberty b) Only after her birth
c) After the first menstruation d) When she is in her mother's womb

Chapter 9 Heredity and Evolution

1 The F₂ phenotype ratio of a monohybrid cross studied by Mendel is

c

- a) 1:1 b) 2:1
c) 3:1 d) 4:1

2 If T is for tallness and t for dwarfness, what shall be the genotype of a tall pea plant according to Mendelism?

c

- a) TT b) Tt
c) Either TT or Tt d) tt

3 A Yellow and Round seeded pea plant has genotype YyRr. The gametes produced shall be

b

- a) Yy, Rr b) YR, yR, Yr, yr
c) YR, yr d) Y, y, R, r

4 If in human a sperm (22+Y) fertilizes an egg (22+X), the sex of the foetus shall be

a

- a) Male b) Female
c) Either male or Female d)

5 Forelimb of frog, lizard, bird and man has some evolutionary relationship. This are

d

- a) Hand relationship b) Missing links
c) Analogous organs d) Homologous organs

6 The number of autosomes in a human body cell is

a

- a) 44 b) 46
c) 22 d) 23

7 The theory of Natural Selection was proposed by

b

- a) Lamarck b) Darwin
c) Mendel d) Haldane

8 How life might have originated on earth was experimentally shown by

a

- a) Urey and Miller b) Oparin and Haldane
c) Watson and Crick d) None of the above

9 Surgically removing tails of mice over several generations' do not yield mice without tails.

d

This proves that

- | | |
|---|---|
| a) Cutting tail does not cause genetic change. So it not inherited. | b) Acquired characters during one's own life are not inherited. |
| c) Neither a nor b is correct | d) Both a and b are correct |

- 10 A random change in the frequency of alleles in any population over several generations due to errors in the gametes is called** **b**
- | | |
|------------------|------------------|
| a) Gene flow | b) Genetic Drift |
| c) Genetic error | d) Genetic crash |

Chapter 15 Our Environment

- 1 Only ____ % of the energy can be transferred from one trophic level to the next trophic level.** **c**
- | | |
|-------|-------|
| a) 1 | b) 5 |
| c) 10 | d) 20 |
- 2 Accumulation of non- biodegradable pesticides in different trophic levels is called** **b**
- | | |
|-----------------------------|-----------------------------|
| a) Biological degradation | b) Biological magnification |
| c) Biological concentration | d) Biological deposition |
- 3 The UV radiation from the sun is likely to cause _____ in human** **a**
- | | |
|-----------------|-----------------|
| a) Skin cancer | b) Lung cancer |
| c) Liver Cancer | d) Brain Cancer |
- 4 Replacing Plastic cups by paper cups for selling tea on train may be preferred because** **a**
- | | |
|----------------------------------|----|
| a) Paper cups are bio degradable | b) |
| c) | d) |
- 5 World Environment day is celebrated on** **d**
- | | |
|-----------|-----------|
| a) July 1 | b) July 5 |
| c) June 1 | d) June 5 |
- 6 Which one of the following is a non- biodegradable substance** **a**
- | | |
|----------|-----------------|
| a) DDT | b) Manure |
| c) paper | d) Cotton cloth |
- 7 In a terrestrial ecosystem the biomass of _____ should be the most** **c**
- | | |
|--------------|-------------------------|
| a) Herbivore | b) Carnivore |
| c) Producer | d) Any one of the above |
- 8 Identify the proper food chain** **b**

- a) Grass ----- frog ---- insect ----- snake b) Grass---- insect ----- frog ----- snake
c) Insect --- frog ---- grass ---- snake d) Grass --- frog ---- snake ----- insect
- 9 Food web is** **c**
a) Food served through websites b) Display of different food items
c) Interlinked food chains d) Using food items for a fashion dress
- 10 The best way to dispose waste is by** **b**
a) Making a paste of all domestic waste and putting them in a river b) Separating biodegradable and non-biodegradable waste before disposing in bins
c) Throw the waste on road side d) Dumping all domestic waste in litter bin

Chapter 16

Management of Natural Resources

- 1 The three Rs to save the environment are** **c**
a) Remember, Reduce, Reuse b) Recall, Reduce, Refund
c) Reduce, Recycle, Reuse d) Reduce, Refund, Reuse
- 2 Biodiversity hot spots are** **a**
a) Areas where large number of different species are found b) Hot Areas where large number of different species are found
c) Areas which became hot due to large number of different species. d) Areas where large spot has been created due to death of number of species
- 3 Chipko Andolan is associated with** **d**
a) Protesting against pasting of posters on walls b) Saving money
c) Using more postal stamps d) Saving forest
- 4 Stake holders of our forest are** **d**
a) people who live in or around forests are dependent on forest produce b) Forest Department of the Government which owns the land
c) the industrialists – from those who use 'tendu' leaves to make bidis to the ones with paper mills d) All of the above
- 5 Amrita Bishnoi lost her life while saving forest having _____ trees** **b**
a) teak b) khejri
c) bamboo d) segun

- | | | | |
|-----------|--|--|----------|
| 6 | Wild life includes | | c |
| | a) Wild animals only | b) Wild plants only | |
| | c) Wild plants and animals | d) All plant and animals | |
| 7 | Ganga action plan has been initiated to | | c |
| | a) Dredge and make the river better for water transport | b) Increase fishery in the Ganges | |
| | c) Clean excessive pollutants in Ganges water | d) | |
| 8 | A local system of canal irrigation called <i>kulhs</i> is practiced in | | a |
| | a) Himachal Pradesh | b) Arunachal Pradesh | |
| | c) Andhra Pradesh | d) Madhya Pradesh | |
| 9 | Indira Gandhi Canal has brought greenery to considerable areas of _____ | | b |
| | a) Gujarat | b) Rajasthan | |
| | c) Haryana | d) Uttar Pradesh | |
| 10 | Conservation of Wildlife includes | | d |
| | a) Preventing poaching of animals | b) Construction of National parks, Sanctuaries | |
| | c) Ban on trading endangered species | d) All of the above | |