

Multiple Choice Questions for Class IX

Chapter 5

The Fundamental Unit of Life

- 1 Cell is a Latin word for 'a little room'. Who coined the term cell?**
 - a) Robert Book
 - b) Robert Hooke
 - c) Charles Hooke
 - d) Leeuwenhoek
- 2 Plasma membrane is**
 - a) Semi permeable
 - b) permeable
 - c) Selectively permeable
 - d) Non permeable
- 3 Movement of water molecules through a selectively permeable membrane is called**
 - a) diffusion
 - b) osmosis
 - c) Plasmolysis
 - d) None of the above
- 4 A prokaryotic cell**
 - a) Do not have defined nuclear membrane
 - b) Do not have membrane bounded cell organelles
 - c) Have a single chromosome
 - d) All of the above
- 5 _____ is a system of membrane bound vesicles arranged parallel to each other in stacks called cisterns.**
 - a) Golgi apparatus
 - b) Plastid
 - c) Lysosome
 - d)
- 6 Chromoplasts are plant pigments which give _____**
 - a) green
 - b) No colour
 - c) Colour other than green
 - d) All of the above
- 7 Mitochondria**
 - a) Is called power-house of the cell
 - b) Have their own DNA
 - c) Double membrane organelle
 - d) All of the above
- 8 Lysosome is called suicide bag of the cell because**
 - a) It causes any cell to commit suicide
 - b) It's enzyme digest the cell itself
 - c) It kills surrounding cells
 - d) All of the above
- 9 The difference between plant cell and animal cell is that**
 - a) Plant cell have cell wall which animal cell do not
 - b) Plant cell do not have vacuole while animal cell do have
 - c) Plant cell have only cell membrane while animal cell have both cell wall
 - d) Plant cell have more plastids while animal cell have few plastids

and cell membrane

10 When raisins are kept in plain water, water enters the raisins because

- | | |
|--|---|
| a) Raisins do not have water | b) Water can enter any where |
| c) Raisin contain dilute solution inside | d) Raisin contains concentrated solution inside |

Chapter 6 Tissues

1 The girth of stem or root increases due to growth of

- | | |
|-------------------------|--------------------|
| a) Lateral meristem | b) Apical meristem |
| c) Intercalary meristem | d) Girth meristem |

2 Cells of Schlerenchyma tissue is dead and hard due to deposits of

- | | |
|--------------|------------|
| a) pectin | b) lignin |
| c) cellulose | d) sucrose |

3 Xylem consists of _____, _____, Xylem parenchyma and Xylem fibres

- | | |
|-------------------------------|---------------------------|
| a) Sieve tube, Companion cell | b) Tracheid, Sieve tube |
| c) Tracheid, vessel | d) Vessel, Companion cell |

4 Phloem contains

- | | |
|---------------|-----------------|
| a) Sieve tube | b) tracheid |
| c) vessel | d) All of these |

5 Inner lining of the mouth and oesophagus are covered with

- | | |
|-----------------------------------|-------------------------|
| a) Ciliated columner epithelium | b) Cuboidal epiothelium |
| c) Stratified squamous epithelium | d) Squamous epithelium |

6 Tendons connect

- | | |
|---------------------|----------------------|
| a) Bone to bone | b) Muscle to bone |
| c) Muscle to muscle | d) None of the above |

7 Striated muscles

- | | |
|-------------------------------------|------------------------------|
| a) Are also called skeletal muscles | b) Are also voluntary muscle |
| c) Have dark and light bands | d) All of the above |

8 Dendrites are

- | | |
|-------------------------------------|-------------------------------------|
| a) Short branched parts in a neuron | b) Transmitting part of a neuron |
| c) Muscle tissue | d) An adhesive to bind animal cells |

9 Adipose tissue

- a) Acts as insulator to the body
- b) Found below skin & between organs
- c) Is fat storing tissue
- d) All of the above

10 Which of the following is not a connective tissue

- a) bone
- b) cartilage
- c) blood
- d) nerve

Chapter 7

DIVERSITY IN LIVING ORGANISMS

1 Eukaryotic unicellular organisms are grouped in the kingdom

- a) Monera
- b) Protista
- c) Fungi
- d) Plantae

2 An organism having some characteristics of plant and animal kingdom is

- a) Paramecium
- b) Amoeba
- c) Euglena
- d) Giraffe

3 Amphibians of the plant kingdom are the

- a) Algae
- b) Gymnosperms
- c) Pteridophytes
- d) Bryophytes

4 Pinus and Cycas belongs to the group

- a) Angiosperms
- b) Gymnosperms
- c) Bryophytes
- d) Pteridophytes

5 Platyhelminthes have

- a) Three germ layers
- b) No true coelom
- c) Dorso-ventrally flattened body
- d) All of the above features

6 Octopus, Pila and Unio belongs to the phylum

- a) Echinodermata
- b) Mollusca
- c) Arthropoda
- d) Annelida

7 Which character is not found in Vertebrates

- a) Presence of notochord
- b) Having paired gill pouches
- c) Having ventral nerve chord
- d) Having coelom

8 Ravi caught an animal and was confused with the phylum the animal belongs to. Help Ravi to identify the phylum based on his observation of the animal which had four feet, three chambered lungs, lacked scales, had mucus glands on the surface. The animal belonged to

- a) Amphibia
- b) Reptilia

c) Mammalia

d) Aves

9 Which of the following is not a fish

a) Shark

b) Rohu

c) Whale

d) Electric Ray

10 Echidna and Platypus which lay eggs belongs to the class

a) Mammalia

b) Reptilia

c) Amphibia

d) Aves

Chapter 13**WHY DO WE FALL ILL****1 Which of the following disease combination is caused by virus**

a) Influenza, Dengue, AIDS

b) Influenza, Kala azar, Haemophilia

c) Sleeping sickness, Kala azar, Dengue

d) Influenza, Kala azar, Dengue

2 Antibiotics generally

a) Are toxic to bacteria

b) Directly kills the bacteria

c) Blocks biochemical pathways of bacteria

d) Suffocates the bacteria

3 Which of the diseases is not spread by casual physical contact

a) Syphilis

b) AIDS

c) Both a and b

d) Neither a nor b

4 The virus for Japanese encephalitis enters into our body through

a) Bite of a mad dog

b) Bite of a mosquito

c) Taking in foul air

d) Drinking contaminated water

5 If liver is the target for infection the person is expected to suffer from

a) breathlessness

b) vomitting

c) cough

d) Jaundice

6 Common cold, Pneumonia and Tuberculosis are

a) Air borne diseases

b) Water borne diseases

c) soil borne diseases

d) vector borne diseases

7 The immune system

a) Fights and kills pathogens

b) Develops antibodies for future attacks

c) Remembers previous infections

d) All of the above

8 Leishmania causes

- a) Sleeping sickness
- b) Acne
- c) SARS
- d) Kala azar

9 Sleeping sickness is caused by

- a) *Leishmania*
- b) *Trypanosoma*
- c) *Ascaris*
- d) Staphylococcus

10 Kala Azar caused by a

- a) Nematode
- b) Protozoa
- c) Virus
- d) Bacteria

Chapter 14
NATURAL RESOURCES

1 Nitrogen constitutes _____ % of our atmosphere

- a) 28
- b) 58
- c) 68
- d) 78

2 Water pollution involves

- a) Addition of undesirable substances into water bodies
- b) Removal of desirable substances from water bodies
- c) Causing a change in temperature in water bodies
- d) All of the above

3 Acid rain is

- a) Oxides of nitrogen and sulphur dissolved in atmosphere during rain
- b) Rain of acid and no water
- c) Creating a fountain of acid
- d) None of the above

4 _____ are pollution indicator plants

- a) Mycorrhiza
- b) Lichen
- c) Rose
- d) Marigold

5 In coastal areas during the day the air above the land gets heated faster and thus

- a) Air from the land rushes towards the sea
- b) Air from the land and sea rushes towards each other and collides
- c) Air from the sea rushes towards the land
- d) Air from the land rushes towards the sea creating a vacuum on the land

6 During lightening, high temperature and pressure converts nitrogen into

- a) Carbonates of Nitrogen
- b) Oxides of Nitrogen
- c) Carbonic acid
- d) Sulphates of Nitrogen

- 7 Heat trapped in the earth like glass house causes increase in temperature of the earth. This is called _____**
a) Red house effect
b) White house effect
c) Green- house effect
d) Sun heating effect
- 8 _____ is the major process through which Oxygen is returned to the atmosphere.**
a) Photosynthesis
b) Respiration
c) Combustion
d) All of the above
- 9 Elemental oxygen in the atmosphere is normally found in the form of**
a) Single atom
b) Diatomic molecule
c) Compound with other elements
d) Triatomic molecule
- 10 Ozone layer depletion is caused by**
a) AFCs
b) BFCs
c) CFCs
d) DFCs

Chapter 15

IMPROVEMENT IN FOOD RESOURCES

- 1 Growing two or more crops simultaneously on the same field in a definite pattern is referred to as**
a) Crop rotation
b) Inter cropping
c) Mixed cropping
d) Crop alternation
- 2 An Italian variety bee introduced in Indian apiculture is**
a) *Apis floriae*
b) *Apis dorsata*
c) *Apis cerana*
d) *Apis mellifera*
- 3 Crops grown in rainy season are called**
a) Kharif crops
b) Rabi crops
c) Rain crop
d) All of the above
- 4 Out of the 16 nutrients essential to plants, _____ number are classified as macro nutrients**
a) 4
b) 8
c) 6
d) 12
- 5 Green manure is prepared by**
a) Applying green fertilizer
b) Colouring the manure into green
c) ploughing and mulching sun hemp
d) adding leaves and stems into the soil
- 6 In India agriculture irrigation is done by**
a) Dug or tube wells
b) Canals

- c) River lift system
d) All of the above
- 7 Jersey and Brown Swiss are**
a) Exotic breeds of cattle having short lactation periods
b) Exotic breeds of cattle having longer lactation periods
c) Desi (Local) breeds of cattle having longer lactation periods
d) Desi (Local) breeds of cattle having short lactation periods
- 8 *Bos indicus* is the scientific name of**
a) pig
b) sheep
c) buffalo
d) cow
- 9 In poultry farms, broilers are raised for their**
a) egg
b) Both egg and meat
c) meat
d) Neither egg nor meat
- 10 Which of the following is not a marine fish**
a) Pomfret
b) Rohu
c) Tuna
d) Bombay duck

Practice Sheet

Chapter:		Chapter:		Chapter:		Chapter:		Chapter:	
1		1		1		1		1	
2		2		2		2		2	
3		3		3		3		3	
4		4		4		4		4	
5		5		5		5		5	
6		6		6		6		6	
7		7		7		7		7	
8		8		8		8		8	
9		9		9		9		9	
10		10		10		10		10	
Score		Score		Score		Score		Score	

Chapter:		Chapter:		Chapter:		Chapter:		Chapter:	
1		1		1		1		1	
2		2		2		2		2	
3		3		3		3		3	
4		4		4		4		4	
5		5		5		5		5	
6		6		6		6		6	
7		7		7		7		7	
8		8		8		8		8	
9		9		9		9		9	
10		10		10		10		10	
Score		Score		Score		Score		Score	

Answers

Chapter: 5		Chapter: 6		Chapter: 7		Chapter: 13		Chapter: 14	
Qn	Ans	Qn	Ans	Qn	Ans	Qn	Ans	Qn	Ans
1	B	1	A	1	B	1	A	1	D
2	C	2	B	2	C	2	C	2	D
3	B	3	C	3	D	3	C	3	A
4	D	4	A	4	B	4	B	4	B
5	A	5	D	5	D	5	B	5	C
6	C	6	B	6	B	6	A	6	B
7	D	7	D	7	C	7	D	7	C
8	B	8	A	8	A	8	D	8	A
9	A	9	D	9	C	9	B	9	B
10	d	10	d	10	a	10	B	10	c

Chapter: 15									
Qn	Ans								
1	B								
2	D								
3	A								
4	C								
5	C								
6	D								
7	B								
8	D								
9	C								
10	b								