

Chapter-1 (The fundamental Unit of Life)

Ques:-1 M.C.Q's:-

Q1.Longest cell in human body

- a) Muscle cell b) nerve cell c) liver cell d) blood cell

Q2.The movement of substances through selectively permeable substances

- a) Osmosis b) diffusion c) plasmolysis d)endocytosis

Q3.The structural & functional unit of life

- a) Organ system b)tissues c) cell d) all of these

Q4.Lysosomes stores

- a)fats b)proteins c)hydrolytic enzymes d)RNA

Q5.ATP stands for

- a) Adenosine triphosphate
b) Amino triphosphate
c) Amino trigly cero phosphate
d) Adenine triphosphate

Ques2. Very Short Questions:-

Q1.Who discovered cell and how?

Q2.Which cell organelle is called “suicidal bags”?

Q3.Why cell is called structural & functional unit of life?

Q4.What is cell wall?

Q5.What is plasma membrane?

Ques3. Short Questions:-

Q1.Differentiate between:-

- a) Unicellular & multicellular organisms
b) Prokaryotic & eukaryotic cell
c) Plant cell & animal cell with diagram
d) Diffusion & osmosis
e) Hypotonic, isotonic & hypertonic solution

Q2. What is cell division? Define its types.

Q3. Differentiate between SER & RER. How ER is important for membrane biogenesis?

Q4. Long Questions:-

Q1. Write short notes on:-

- a) Mitochondria
- b) Lysosomes
- c) Nucleus
- d) Vacuoles
- e) Plastids
- f) Golgi apparatus

CHAPTER-6 UNIT-2 (TISSUES)

Ques1. M.C.Q's

Q1. The tip of root & shoot, the tissue present in

- a) Ground tissue b) epidermal tissue
- c) vascular tissue d) meristematic tissue

Q2. Blood is a/an

- a) Connective tissue b) muscular tissue
- c) epithelial tissue d) nervous tissue

Q3. All living organisms

- a) need foods & convert it to obtain energy
- b) expel waste products
- c) grow & produce more members of their species
- d) all of these

Q4. Different organs come together to form

- a) organ system b) tissues c) cells d) none of the above

Q5. Fats are stored in human body as

- a) adipose tissue b) bones c) cartilages d) cuboidal epithelium

Ques2:- Very Short Questions

Q1. Where are protective tissues located?

Q2.Name any two connective tissues.

Q3.Write the function of areolar tissues.

Q4.Write the function of xylem & phloem.

Q5. Short Questions

Q1.Write major functions of stomata present in the epidermis.

Q2.What is the difference between

a)Meristematic & permanent tissues.

b)parenchyma,collenchyma& sclerenchyma.

c)simple & complex tissues.

Q4.Long Questions

Q1.Write the structure , location & function of squamous , cuboidal , columnar & striated squamous epithelium.

Q2.Write main characteristics features of skeletal, smooth& cardiac muscles.

Q3.i) What is nervous tissues?

ii) Draw a well labelled diagram of neuron.

Chapter -7 Unit -3(Diversity in Living Organisms)

Ques1.M.C.Q's:-

Q1.The organism of kingdom protista are

- a)unicellular & prokaryotic
- b)multicellular & prokaryotic
- c)unicellular & eukaryotic
- d)multicellular & eukaryotic

Q2. Fern is an example of-

- a) Thallophyta
- b) bryophyte
- c) phanerogams
- d) pteridophyta

Q3.Which of the following belongs to coelentrata?

- a)sycon
- b)hydra
- c)spongilla
- d)planaria

Q4.The largest phylum of animal kingdom is-

- a) Annelida
- b) Arthropoda
- c)Coelentrata
- d)Protozoa

Q5.The pair of warm-blooded animal is-

- a)pisces& coelentrata
- b)pisces& amphibian
- c)amphibian& reptilian
- d)birds& mammalian

Ques2.Very Short Questions:-

Q1.What is Evolution?

Q2.Who first of all proposed the idea of evolution?

Q3.Name the book in which Darwin described the idea of evolution?

Q4.Who proposed five kingdom classification system of organisms?

Ques3:-Short Questions:-

Q1.Write the characteristics of kingdom Monera?

Q2.Write the characteristics of kingdom Protista?

Q3.Write the characteristics of kingdom Fungi?

Q4.Write about plant and animal kingdom ?

Ques4:-Long Questions:-

Q1.Write characteristics of Plantae kingdom divisions:-

- a) Thallophyta b)Bryophyta c) Pteridophyta
- d) Gymnosperms e)Angiosperms

Q2.Explain kingdom Animalia including all phylums:-

- a) Porifera
- b) Coelentrata
- c) Platyhelminthes
- d) Nematoda
- e) Annelida
- f) Arthropoda
- g) Mollusca
- h) Echinodermata
- i) Protochordata
- j) Chordata

Q3. Explain all the classes :-

- a) Cyclostomata
- b) Pisces
- c) Amphibian
- d) Reptilia
- e) Aves
- f) Mammalia

Q1.M.C.Q's:-

Q1.Health is a state of ____ well being.

- a) Physical
- b) Mental
- c) Social
- d) All of these

Q2.____ is a viral diseases.

- a) typhoid b) malaria c) measles d) ring- worm

Q3.____ is a fungal diseases.

- a) typhoid b) malaria c) measles d) ring- worm

Q4.AIDS transmit through

- a) using common needle for injection b) sexual contact
- c) transfusing blood containing pathogens of AIDS d) all of these

Q5.The non-communicable diseases Are

- a) Typhoid & malaria b) typhoid & cholera c) ring-worm & AIDS
- d) goitre & diabetes

Ques2.Very Short Questions:-

Q1.What is the difference between acute & chronic diseases with example?

Q2.List some causes of diseases.

Q3."Public cleanliness is important to individual health." Comment.

Q4. List four common diseases caused by viruses.

Ques3.Short Questions:-

Q1.Difference between communicable & non-communicable diseases?

Q2. Name some diseases which spread through air. Explain how they spread.

Q3.List some measures for preventing infectious diseases.

Q4.How prevention is better than cure?

Ques4:-Long Questions:-

Q1.What is immunization? Mention Some diseases which requires vaccines.

Q2.Give an example where tissue- specificity of the infection leads to very general seeming effects.

Q3.What is inflammation? Write its symptoms. How it is caused.

Q4.Write the main steps of principle of treatment?

Ques1. M.C.Q's:-

Q1. Green plants are

- a) Heterotrophs
- b) Autotrophs
- c) Saprophytes
- d) Parasites

Q2. Biotic – factors responsible for damage of food

- a) Rodents, birds & animals
- b) Insects
- c) Micro-organisms
- d) All of these

Q3. Rearing & breeding of fish is called

- a) Apiculture
- b) Animal husbandry
- c) Pisciculture
- d) Poultry farming

Q4. Indigenous breed of cow is

- a) Murrah
- b) Sahiwal
- c) Jersey
- d) Brown swiss

Q5. The rabi season crop is

- a) Paddy b) Wheat c) Maize d) Cotton

Ques2. Very Short Questions:-

Q1. Name two local breeds of cattle that show excellence resistance to diseases.

Q2. Define Hybridisation?

Q3. Explain rabi & kharif crop with examples?

Q4. What has led to Green revolution & White revolution?

Q5. What are macronutrients & micronutrients? Name two of each kind.

Ques3. Short Questions:-

Q1. Difference between Manure & Fertilizer?

Q2. Define irrigation & its methods.

Q3. What is cropping pattern? Explain all its types.

Q4. What happens to plants due to deficiency of nutrients?

Q5. List out some useful methods to improve crop production?

Ques4:- Long Questions:-

Q1. Explain in details:-

- a) Cattle farming b) Poultry farming c) Fish production d) Bee -keeping