

REVISION Chapter 2 and Chapter 3

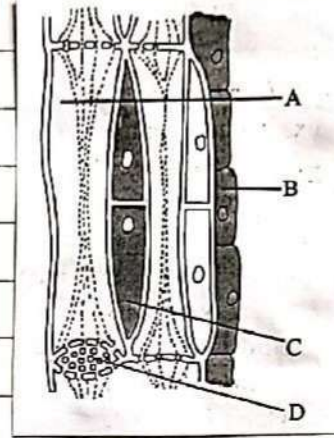
Diagram based questions

Q1) Label A-D on given diagram

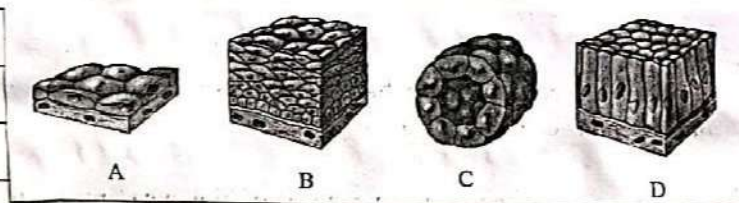
b) State function of A and B

c) Differentiate simple and complex Plant tissues

d) Xylem and Phloem are together called as _____



Q2) Identify A B C and D in the given diagram



b) Give one place where each of the above is found

c) Structure D is of 2 types. What are they? State location and functions of each of these types.

Q3 (i) Draw a labelled diagram of a plant cell.

(ii) Based on the diagram in (i) give a suitable term for the following -

a) Site of protein synthesis

b) Cell organelle that is absent in plant cell

c) Supporting framework of the cell

d) Structure that carry the hereditary units

Class - 8 Biology
Chapter - 2 and 3
Nidhi Rand

- e) Cell organelle that regulates all metabolic functions
- f) Structure that is semipermeable in nature

Q4 Name Kinds of cells found in following places -

- a) Tip of plant root
- b) at lower surface of leaf
- c) Salivary glands
- d) Gritty masses in skin of peare.

Q5 Practice the following diagrams and draw them in your notebooks -

- (i) Nerve cell or Neuron

[Fig 3.13 on Page 29 of text book]

- (ii) Parenchyma, Sclerenchyma and Collenchyma Tissues

- (iii) Structure of nucleus

[Fig 2.8 A on Page 14 of your text book]

Q6 Diagrams for identification -

- (i) Different kinds of cells.

[Fig 2.5 on Page 10 of text book]

- (ii) Different kinds of tissues as -

- a) Meristematic Tissues [Fig 3.1 Page 23]

- b) Types of connective Tissues
[Fig 3.10 Page 28]

- c) Types of blood cells [Fig 3.11 on Page 28]

- d) Types of muscles [Fig 3.12 on Page 29]

ANSWER KEY

Ans 1 (a) A - Sieve Tube B. Phloem parenchyma
C-Companion cell D. - Sieve plate

b) A - Transportation of food from leaves to storage organs / other parts of plant

B - Storage of starch, fat & organic food material

c) Simple Tissues - are made up of only 1 type of cells
Complex Tissues - are made up of more than one type of cells working together as a unit

d) Vascular bundle or conducting tissue

Ans 2 a) A - Squamous epithelium

B - Stratified epithelium C - Cuboidal epithelium

D - Columnar epithelium

b) A - found in lining of mouth, blood vessels

B - Found in skin

C - found in ducts of salivary glands

D - found in inner lining of stomach & intestine

c) (i) Ciliated epithelium - found in lining of trachea and its lashing movements moves any foreign material that enters this region

(ii) Glandular epithelium - present in lining of stomach & intestine where they secrete digestive juices

Ans 3 (ii) a) Ribosomes

b) Centrosome

c) Endoplasmic reticulum d) Chromosomes

e) Nucleus

f) Cell membrane

Ans 4 a) Apical meristematic tissues

b) Epidermis - Protective tissue

c) Cuboidal epithelium

d) Sclerenchyma