## DAV International School, Amritsar Assignment of Chapter III

## Subject - Biology

## Class –IX Date -

## Topic - The Fundamental Unit of Life

- 1. Why are lysosomes called (a) Suicide bags of call (b) Scavenger of cell
- 2. Name two cell organelles which have double membranous cover.
- 3. If you are provided with some vegetables to cook. You generally add salt
- into the vegetables during cooking process. After adding salt, vegetables release water. What mechanism is responsible for this define it?
- 4. Name the organelles which are
  - (a) Transporting channels of the cell
  - (b) Power house of cell
  - (c) Packaging and dispatching unit of the cell.
  - (d) Digestive bag of the cell
  - (e) Storage sacs of the cell
  - (f) Kitchen of the cell
  - (g) Control room of the cell
- 5. What are cell wall & cell membrane mode up of?
- 6. Difference between Prokaryotic cell & Eukaryotic cell.
- 7. Why does a plant cell, when placed in a hypotonic solution, not burst?
- 8. Why chlonplasts are called kitchen of the cell?
- 9. Mitochondria & Plastids are semiautonomous organelles. Why?

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ASSIGNMENT SHEET



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- Q1 What is composite fish Culture ? Mention at least two advantages of Composite fish culture . Also mention one limitation of this system?
- Q2 Differentiate between aquaculture and Marie culture?
- Q3 How do pests generally attack the plants?
- Q4 Name the two components of the cattle diet and give two examples each ?
- Q5 What are the advantages of check dams ?
- Q6 Mention some ways in which biotic and abiotic factors effect the stored grains ?
- Q7 What is fumigation. Give two examples of fumigants ?
- Q8 What is genetic engineering ? What are genetically modified crops ?
- Q9 Differentiate between Dug wells and tube wells ?
- Q10 Mention at least four qualities of a good animal shelter ?
- Q11 Mention at least four differences between mixed and inter cropping?
- Q12 For good production of poultry birds, good management practices are important. Comment ?
- Q13 What is artifical Insemination ? Mention two advantages of this process ?
- Q14 What is hybridization ? Mention at least 4 factors for that can be improved by hybridization ?
- Q15 What is photoperiod ?

DAV INTERNATIONAL SCHOOL

ASSIGNMENT SHEET No -

SUBJECT - Birdogy

Telic - Inprovement in food Resources

Date -

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Instructions:

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1. Given below are outline structures of some 'Bead Necklaces' and a list of characters placed in different categories. Each necklace is given a name that is actually a 'term' important for Food Production. You have to pick one character from each category to list the features of a group. In this way, you will 'string the beads' and the necklace will be complete when all the beads have been allotted characters from each category.



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Drane the student where raising will show the norimum % ogs of water absorbed. Drane the student whose raisins will show the minimum % ages water absorbed.	equal new The saising were given five sections calls of equal new The saising were source whiteled water at seven temperature. A socied the saistilled water to minutes; B for overright and C for 60 minutes Then they calculated the % app of water observed by pairing. New Ander the following questions t	US . If grapes are kept in concertrated sugar social on which process will take place? Whet is its mathematical equations used to determine the mass grap of water imbidded by sailing?	gram sailing in it. After keeping sailing in water fat about a hours he measured the new of soaked sailing as 9 pans. He also measured the new of water abberbed from the beaker which was y grans on the basis of his observations, the grape of water absorbed by sailing would be :.	CLASS - IX CLASS - IX Subject-Biology OI.5 9 of tailins were placed in distilled water for 24 low The mass of sooked railins was found to be 79 - calculate the Recertage of water absorbed by railins . Q2 . A student took & gram water is a beaker and dipped
<ul> <li>Ands do not get wet</li> <li>Ste saising lose weter before weiglig</li> <li>the saising lose weter before weiglig</li> <li>the unique scale does not get wet</li> <li>andy water aberbed by scaising is weighted - way</li> </ul>	The constant sequence of these scope in a) 1, 2, 35, 4 (b) 1, 3, 4, 5, 2 (c) 3, 1, 5, 4, 2 (c) 3, 1, 4, 5, 2 (c) 3, 1, 5, 4, 2 (c) 3, 1, 4, 5, 2 (c) 3, 1, 5, 4, 2 (c) 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,	(iv) Pour water into the beakers to that the secility are different in it. (i) After about 90 minutes remove socked secilities from the beaker & wife them with filter lafer.	07 Following five styles are generally followed in the exper an determining the object water absorbed by Maisins How then style are not in profer sequence (i) Measure the mess of day raising (ii) Measure the mess of socied scalling (iii) Take a clean braker & but dress raising in it	(96. An experiment was set up to determine the of open of water absolute by sailins. If the mass of deg sail was hog, & mass of wet sailins was 459, the percentation would be wet sailins was 459, the percentation (45-40) × 100 (15-40) × 100 (45-40) × 100 (15-40) × 100

Assignment - ClassIX Tissues Unopter - Tissue.	
Paper-Pen Test Questions for Formative / Summative Assessment	
/ery Short Answer (VSA) Type or Oral/Quiz Questions (One Mark)	
1. Define a tissue.	
2. Name the components of xylem.	
3. What is the function of a tendon?	43
<ul><li>4. What is a neuron?</li><li>5. What are the constituents of phloem?</li></ul>	
<ol> <li>6. Mention two characteristics of cardiac muscles.</li> </ol>	
7 Water hyacinth float on water surface. Why?	
8. Which structure protects the plant body against the invasion of parasites:	
9. Why are xylem and phloem called complex tissues?	
10. What do you mean by meristems?	
Short Answer Type-1 (SA-1) Questions (Two Marks)	
1. Name the tissue found	
(a) at the bases of leaves.	
(b) at the growing tips of the root and stem.	
<ul><li>(c) in the lining of the wind pipe.</li><li>2. What is the basic difference between meristematic tissue and permanent tissue?</li></ul>	
3. What are the differences between parenchyma and collenchyma tissues?	
t What are platelets? What do they do?	
5. Animals of colder regions and fishes of cold water have thicker layer of subculatious fat.	
Describe why.	ł
<ul><li>6. Name the different components of xylem and draw a living component.</li><li>7. Differentiate between voluntary and involuntary muscles. Give one example of each type.</li></ul>	
8. Why is epidermis important for the plants?	
9 Write two major functions of sclerenchyma tissue.	
10. Write two major functions of blood occurring in our blood.	
Short Answer Type-II (SA-II) Questions (Three Marks)	
1 Name one place in a living organism where the following tissues are located.	
(a) Squamous epithelium (b) Columnar epithelium	
(c) Areolar connective tissue (c) Cardiac muscle (f) Meristematic tissue	
(e) Carutac muscic	
<ol> <li>Explain the roles of apical, lateral and intercalary meristems.</li> <li>Describe the different parts of a neuron with a suitable diagram.</li> </ol>	
4. (a) Differentiate between meristematic and permanent tissues in plants.	
(b) Define the process of differentiation.	
(c) Name any two simple and two complex permanent tissues in plants.	
5. Name three types of simple permanent tissues in plants. Also write major characteristics and functions of each of them.	
6. Draw and describe the xylem elements along with the functions of each of them.	
7. Differentiate between blood and lymph. Also write major functions of each of them.	
Long Answer (LA) Type Questions (Five Marks)	
1. Describe various types of epithelial tissues. Also draw their diagrams.	
2. Describe the structure and functions of adipose tissues.	

- 3. Name and differentiate various components of mammalian human blood.
- 4. Classify the different types of animal tissues in tabular form. Describe any one of them in detail.
- Describe the structure and function of different types of epithelial tissues. Draw diagram of each type of epithelial tissue.
- 6. Draw well labelled diagrams of various types of muscles found in human body. Also write the characteristic features of each of them.