BCM SCHOOL BASANT AVENUE, DUGRI LUDHIANA
ASSIGNMENT XI BIOLOGY

1 (1)

1. Given below are different sub-stages of prophase I. Match them with their correctfeature.

	Column I		Column II
I	Zygotene	i	Formation of bivalent
II	Pachytene	ii	Terminalization of chiasmata
III	Diakinesis	iii	Dissolution of synaptonemal complex
IV	Leptotene	iv	Crossing over mediated by recombinase
V	Diplotene	v	Chromosomes start condensing

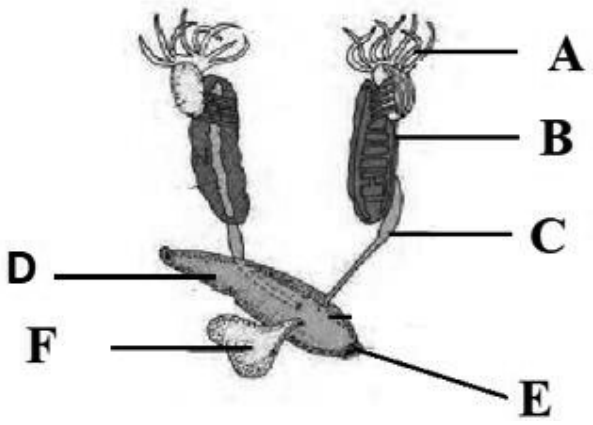
a. I-v, II-i, III-iv, IV-iii, V-ii
b. I-i, II-iii, III-ii, IV-v, V-iv
c. I-i, II-iv, III-ii, IV-v, V-iii
d. I-v, II-iv, III-ii, IV-i, V-iii

2 (1)

Assertion: Mitochondria of active cell has more number of cristae and F_0-F_1 particles.
Reason: F_0-F_1 particles are involved in ATP production

3 (2)

Based on the clues given below, identify and name the organ marked in the givenfigure

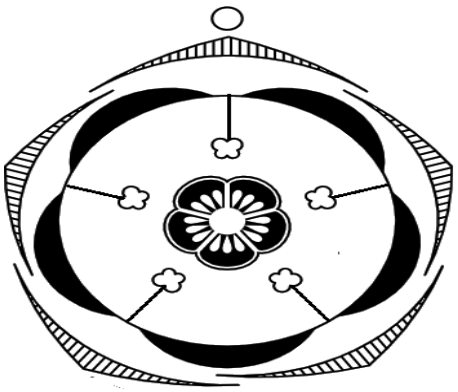


a.Common duct for urine and sperm. b.Common opening for egestion andexcretion.
c.Organ which stores urine temporarily. d. Organ which stores undigested food.

4 (3)

5 (4)

Given below is a floral diagram.



a.Identify the aestivation shown in the calyx and corolla of the above flower.

	b.Name the type of placentation seen in its ovary. Give example of a flower showing such placentation. c.Write the floral formula of the given flower. **OR** Enlist four characteristics of its androecium	