	<u>Uiech</u>
Name :	
Roll No.:	An Adaptive Of Street Safe Standard
Invigilator's Signature :	•••••

CS/B.PHARM/SEM-1/PTB-101/2012-13

2012 REMEDIAL BIOLOGY

Time Allotted: 3 Hours Full Marks: 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP - A (Multiple Choice Type Questions)

l.	Choose the correct alternatives	for a	any	ten of	the	following	:
						10 × 1 =	10

i)	The biological name of the sink worm is:						
	a)	Caterpillar	b)	Taenia Solium			
	c)	Bombyx Mori	d)	Hook worm.			
ii)	Anopheles mosquito Causes:						
	a)	Malaria	b)	Kalazar			
	c)	Filaria	d)	Dengue.			
iii)	The middle fleshy part of a fruit is called:						
	a)	Endocarp	b)	Pericarp			
	c)	Mesocarp	d)	Epicarp.			
iv)	Example of Hesperidium fruit is :						
	a)	Mango	b)	Pouregranate			
	c)	Tourato	d)	Orange.			

1068 [Turn over

CS/B.PHARM/SEM-1/PTB-101/2012-13



- v) Dicot root coutains:
 - a) Collateral open vascular bundle
 - b) Radial type
 - c) Collateral closed Vascular bundle
 - d) None of these.
- vi) The site of protein synthesis in Plant cell is
 - a) Ribosomes
 - b) Mito chondria
 - c) Eudoplasmic Reticulum
 - d) Golgi bodies.
- vii) The longest mitotic phase is:
 - a) Telophase
- b) Prophase
- c) Anaphase
- d) Metaphase.
- viii) 'Ovate' is a term related to:
 - a) Anther

b) Ovary

c) Leaf

- d) None of these.
- ix) Citrus leaf is a:
 - a) Pinnately compound
- b) Palmately Compound

c) Simple

- d) None of these.
- x) True fruits originates from:
 - a) Thalamus,
- b) Ovary

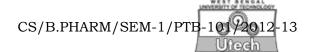
c) Calyx

- d) Stamen.
- xi) Vector host of Trypanosoma is:
 - a) Mosquito
- b) Fly

c) Pig

d) Sheep.

1068



- xii) Bast fibre is:
 - a) Living

- b) Non-living
- c) Metallic
- d) None of these.
- xiii) Reduction of cell division is another name of :
 - a) Amitosis
- b) Mitosis

- c) Meiosis
- d) None of these.

GROUP - B

(Short Answer Type Questions)

Answer any *three* of the following. 3

 $3 \times 5 = 15$

- 2. Write the differences between:
 - a) Eukaryotic cell and prokaryotic cell.

- $2\frac{1}{2}$
- b) Meristematic tissues and Permanent tissues.
- $2\frac{1}{2}$
- 3. Write down the characteristic features of protozoa.
- 4. Discuss the life cycle of:

Taenia Solium.

- 5. What is leaf? Mention its function and write down the differences between simple leaf and compound leaf. 1 + 2 + 2
- 6. Explain the following:
 - a) Epidermis
 - b) Parenchyma.

 $2\frac{1}{2} \times 2$

1068 3 [Turn over

CS/B.PHARM/SEM-1/PTB-101/2012-13



GROUP - C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

- 7. a) Explain the morphological Characteristics of Plasmodium vivax.
 - b) Describe the life cycle of plasmodium in man. 5 + 10
- 8. a) Give a diagramatic description of Meiosis cell division and
 - b) Differentiate between Xylem and phloem with diagram.

10 + 5

- 9. a) What is assimilatory root?
 - b) Write about the Various modifications of typical tap root.
 - c) Write down the histological differences between monocot root and dicot root. 3 + 5 + 7
- 10. a) Write the morphological differences between male and female blood fluke.
 - b) Write down the life cycle of amoebia. 8 + 7
- 11. a) What is silk gland?
 - b) How silk is produced from the silk worm?
 - c) Give the life cycle of silk gland. 4 + 5 + 6

1068 4