



Name :
Roll No. :
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)

1. Choose the correct alternatives for 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.



- v) Dicot root contains :
- 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.

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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 diagrammatic 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. $4 + 5 + 6$
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