

DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: BPHARMACY
BRANCH: PHARMACY

SEMESTER: 1
SESSION: MO 2022

SUBJECT: BP106RBT REMEDIAL BIOLOGY

TIME: 1.30 Hour

FULL MARK: 35

A. Short Answers
(Answer five out of seven) (05 x 05 = 25 marks)

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| 1. Demonstrate the transmission of nerve impulse with a suitable diagram. | CO I | 3 |
| 2. Explain the role of hormones released from posterior pituitary. | CO I | 2 |
| 3. Define tidal volume. Briefly discuss the mechanism of breathing. | CO I | 1, 2 |
| 4. State the name of the enzymes along with its location involve in the process of digestion. | CO II | 1 |
| 5. Write notes on blood grouping and rhesus factor. | CO II | 2 |
| 6. Discuss the composition and function of lymph. | CO I | 2 |
| 7. Define assimilation of digested food. Describe the process of assimilation of carbohydrate, protein and fat. | CO I | 1, 2 |

B. Long Answers
(Answer one out of two) (01 x 10 = 10 marks)

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| 1. Discuss various phases of mitotic cell division. | CO II | 2 |
| 2. Enumerate the essential criteria of plant nutrients. Provide examples of micro and macronutrients of plant. Discuss any ONE from each category emphasizing their source, function and deficiency. | CO III | 1, 2, 3 |

Bloom's level: Knowledge = 1
Understand = 2
Application = 3

.....22/03/2023.....M