

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)**

**CLASS: B.PHARM
BRANCH: PHARMACY**

**SEMESTER: II
SESSION: SP/25**

SUBJECT: BP201T HUMAN ANATOMY AND PHYSIOLOGY II

TIME: 3.00 Hours

FULL MARK: 75

INSTRUCTIONS:

1. The missing data, if any, may be assumed suitably.
2. Before attempting the question paper, be sure that you have got the correct question paper.
3. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
4. This question paper consists of (03) three parts. Read the part wise instructions before attempting the questions.

PART-I

Objective type questions (Instruction: Answer all questions)

Q1. (10 x 2 = 20 Marks)

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|--|------|
| A. Define One Kilocalorie | CO 1 |
| B. Give functions of gastric juice | CO 2 |
| C. Give names of meninges of brain. | CO 1 |
| D. Give full form of RAAS. | CO 1 |
| E. What are the functions of cerebro- spinal fluid | CO 3 |
| F. Name three muscles of stomach. | CO 2 |
| G. Define anabolism & catabolism | CO 3 |
| H. How will you define basal metabolic rate | CO 1 |
| I. What is micturition | CO 1 |
| J. Name hormones secreted by pancreas | CO 4 |

PART-II

Short Answers

(Instruction: Answer seven out of nine questions)

(7 x 5 = 35 Marks)

- Q2 Illustrate the development of Ovarian follicle using neat labelled diagram. CO 5
- Q3. When is artificial respiration required. Give methods of artificial respiration CO 2 & 3
- Q4. Discuss the anatomy and functions of kidneys. CO 3
- Q5. Illustrate tidal volume & alveolar ventilation. CO 3
- Q6. Name hormones of anterior Pituitary gland & discuss growth hormone CO2 & 3
- Q7. Discuss the functions of cerebral cortex CO 3
- Q8. What is a synapse. With a diagram show different synapses. CO 2 & 3
- Q9. What hormones are secreted by adrenal glands CO 4
- Q10. Describe Peptic ulcers and complications associated with it CO 2

PART-III
Long Answers
(Instruction: Answer two out of three questions)

(2 x 10 = 20 marks)

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|------|---|-------------|
| Q11. | Give functions of small & large intestine | CO 2 & 3 |
| Q12. | Give different functions performed by Liver. | CO1 & CO 2 |
| Q13. | Give functions of Kidney. How is urine formed. Show parts & function of nephron using a neat diagram. | CO 2 & CO 3 |

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