

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

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

**SEMESTER: II
SESSION: SP/24**

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.
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PART-I

Objective types questions (Instruction: Answer all questions)

- Q1. (10 x 2 = 20 Marks)
- A. Define One Kilocalorie CO 1
 - B. Name the hormones secreted by Adrenal cortex CO 4
 - C. Compare Dwarfism & Cretinism. CO 4
 - D. Give full form of RAAS. CO 1
 - E. Give parts of respiratory system CO 3
 - F. Name three muscles of stomach. CO 2
 - G. Define metabolism CO 3
 - H. Name meninges of the brain 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 .Discuss genetics, DNA & chromosomes CO 5
- Q3. When is artificial respiration required. Give methods of artificial respiration CO 1
- Q4. Discuss the anatomy and functions of kidneys.CO 3
- Q5. Illustrate standard lung volumes and capacities. CO 3
- Q6. Name hormones of anterior Pituitary gland & discuss growth hormone CO 4
- Q7. Discuss the functions of cerebral cortex CO 3
- Q8. What is a synapse. With a diagram show different synapses. CO 1
- Q9. What hormones are secreted by thyroid 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)

- Q11. Give functions of small & large intestine CO 1
- Q12. Give different functions performed by Liver. CO1 & CO 2
- Q13. Define & classify diabetes. Categorize complications of Diabetes Mellitus CO 2