

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

CLASS: B.PHARM
BRANCH: PHARMACY

SEMESTER : V
SESSION : MO/2022

SUBJECT: BP503T PHARMACOLOGY II

TIME: 3:00 Hours

FULL MARKS: 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 types questions (Instruction: Answer all questions)

Q1. (10 x 2 = 20 Marks)

- A. Write **TWO** physiological stimuli that increase the release of antidiuretic hormone.
- B. What are the common adverse effects of oral hematinic?
- C. What are the consequences of shock condition?
- D. Give **ONE** examples of different types of autacoids.
- E. Mention **FOUR** examples of H₂ receptor antagonists
- F. Give phases of Oestrous cycle in rats.
- G. Name two approaches to treat hypertension.
- H. Define hormones. Where are receptors found
- I. What is hypertensive crisis & it's treatment.
- J. Name 2 resins used in fixing the tracings of bioassay.

PART-II

Short Answers

(Instruction: Answer seven out of nine questions)

(7 x 5 = 35 Marks)

- Q2. Classify diuretics and discuss the mechanism of action of thiazide diuretics.
- Q3. Write notes on fibrinolytic agents.
- Q4. Describe the anticoagulant action of heparin. Mention the side effects of heparin.
- Q5. Discuss properties of plasma volume expanders. Provide examples of plasma volume expanders.
- Q6. Write notes on second generation H₁ receptor antagonists.
- Q7. Compare T₃ & T₄ hormones and what preparations of both are available
- Q8. What hormones are produced by anterior pituitary gland. Discuss in brief.
- Q9. Classify types of angina and anti-anginal drugs
- Q10. Define & classify hypertension & different types of antihypertensive drugs.

PART-III

Long Answers

(Instruction: Answer two out of three questions)

(2 x 10 = 20 marks)

- Q11. A. Classify non-steroidal anti-inflammatory drugs (NSAIDs).
B. Describe mechanism of actions of NSAIDs for anti-inflammatory, analgesic and antipyretic effects.
- Q12. A. Write notes on serotonin antagonists.
B. Classify Diabetes. Give Mechanism of action, secretion & uses of Insulin.
- Q13. Define & give types of Bioassay in detail. How do we carry out bioassay of Insulin.

:::::23/11/2022:::::M