

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

CLASS: MPHARM / Pre-PhD  
BRANCH: PHARMACY

SEMESTER : II/NA  
SESSION : SP/19

SUBJECT: MPL201T ADVANCED PHARMACOLOGY-II

TIME: 3.00 Hrs.

FULL MARKS: 50

**INSTRUCTIONS:**

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
  2. Attempt all questions.
  3. The missing data, if any, may be assumed suitably.
  4. Before attempting the question paper, be sure that you have got the correct question paper.
  5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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- Q.1(a) Write detail about Mechanism of action and conventional preparation of Insulin. [7]  
Q.1(b) Classify oral Hypoglycaemic agents and describe their mechanism of action. [8]
- Q.2(a) Classify Endocrine hormones and their releasing hormone and Write their Feedback mechanism. [7]  
Q.2(b) Describe briefly about Growth hormones, GHIH and GHRH and their therapeutic uses. [8]
- Q.3(a) Describe the Pathogenesis of Cancer including development of primary and secondary tumor. [7]  
Q.3(b) Classify the anti-cancer agents with examples of each type? Describe in detail about the mechanism of at-least 4 (four)-anticancer agents in detail. [8]
- Q.4(a) Write the pathogenesis of asthma in detail. [7]  
Q.4(b) Write brief note on Immunosuppressants and Immunostimulants. [8]
- Q.5(a) Define allergic. Write a note on hypersensitivity reaction. [7]  
Q.5(b) Describe the life cycle of *E. histolytica*? What is the clinical, tissue & chemical classification for Anti-amoebic drugs? Describe the mechanism of at-least one drug? [8]
- Q.6(a) Classify Antiulcer and Describe acid secretion and its regulation by parietal cell with suitable diagram. [7]  
Q.6(b) Classify Anti-emetic and Antidiarrhoeal drugs and describe their mechanism of action. [8]
- Q.7(a) Classify Steroidal hormones and their mechanism of action and uses. [7]  
Q.7(b) Write notes on TSH, T4 and T3. [8]

:::::22/04/2019 M:::::