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MPL 201 T ✓

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Roll No. of candidate

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2022

M.Pharm. 2nd Semester End-Term Examination

ADVANCED PHARMACOLOGY – II

Full Marks – 75

Time – Three hours

The figures in the margin indicate full marks for the questions.

Group A

1. Answer all the short answer type question : (10 × 2 = 20)
- Write the role of prolactin.
 - Why hyperglycemia occur in corticosteroid therapy? Explain.
 - Name two oral contraceptives and their mechanism of action.
 - Name two drugs used in the regulation of calcium.
 - Write brief note on DOTs therapy.
 - Why Chlordiazepoxide used in IBS (Irritable Bowel Syndrome)?
 - Give example of two drugs named as Inhalation Steroid.
 - What are the Ulcer healing agents? Give examples.
 - Which anti malarial drug are showing idiosyncratic reaction? Give example.
 - Write one application of Loperamide and Lactulose solution.

Group B

2. Answer the following questions (Any Seven) (7 × 5 = 35)
- Write a brief note on
 - Drugs used in Protozoal Infections
 - Drugs used in the treatment of Helminthiasis (2.5+2.5=5)
 - Classify antiviral drugs with example. Explain the mechanism of action of each class. (5)

[Turn over

- (c) Write down the molecular mechanism of Oral hypoglycemic agents and Growth hormones. (3+2=5)
- (d) Briefly describe the pharmacology of Prokinetics and antiemetics. (2.5+2.5=5)
- (e) What do you mean by the term Biological and circadian rhythms? Write applications of chronotherapy cardiovascular disease, diabetes, asthma. (2+3=5)
- (f) Write the role of free radicals in etiopathology of various diseases like neurodegenerative diseases and cancer. (2.5+2.5=5)
- (g) What are the cellular and biochemical mediators of inflammation? Explain their role in acute and chronic inflammation. (5)
- (h) Classify hypersensitivity reactions with suitable examples of each class. (5)
- (i) What are the Immunosuppressants and Immunostimulants? Give example and therapeutic applications. (5)

Group C

3. Answer any two questions among the following (2 × 10 = 20)
- (a) Cellular and molecular mechanism of actions and resistance of antimicrobial agents such as β -lactams, aminoglycosides Classification of anti fungal drugs with example. (7+3=10)
- (b) Classify anti-cancer drug on the basis of their mechanism of action, Make a note on the adverse drug reactions in anticancer therapy. (7+3=10)
- (c) Write a brief note on the following topic (4 × 2.5 = 10)
- Recent advancement in-
- Anti- Alzheimer's disease management
 - Treatment of Parkinson's disease.
 - Cancer chemotherapy.
 - Treatment of Diabetes mellitus.