

[LQ 127]

AUGUST 2020  
(MAY 2020 SESSION)

Sub. Code: 2024

**M.D. DEGREE EXAMINATION**

**BRANCH VI – PHARMACOLOGY**

**PAPER III – CLINICAL PHARMACOLOGY & PHARMACOTHERAPEUTICS  
INCLUDING RECENT ADVANCES**

*Q.P. Code: 202024*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Essay:**

**(2 x 15 = 30)**

1. Describe the clinical pharmacology of immunosuppressants and tolerogens
- 2.a. Describe the principles and guidelines for chemotherapy of malaria  
b. Write briefly on the chemoprophylaxis regimens for malaria

**II. Short notes:**

**(10 x 5 = 50)**

1. Hepatitis B virus drug targets and treatment approach
2. FOLFOX regimen
3. Epidermal growth factor receptor inhibitors
4. Opioid induced constipation
5. Fenoldopam
6. Management of polycystic ovarian syndrome
7. Analogs of parathormone
8. Preventive vaccines recommended for international travelers
9. Lipoprotein lipase activators
10. Camptothecin analogs

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. Role of cannabinoids as therapeutic agents
2. Ultralong acting  $\beta$  agonists in asthma
3. Glutamate receptor as a drug target
4. Role of Crofelemer in therapeutics

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