

## PHARMACOLOGY

Time : 3:00 Hours]

[Maximum Marks : 80

NOTES:

- i) Attempt all parts.
- ii) Students are advised to specially check the Numerical Data of question paper in both versions. If there is any difference in Hindi Translation of any question, the students should answer the question according to the English version.
- iii) Use of Pager and Mobile Phone by the students is not allowed.

**PART - A**

(Long questions)

Answer any six questions. Each question carries equal marks.

[6 × 5 = 30]

- Q1) Explain various routes of administration of drugs.
- Q2) Discuss general mechanism of drug actions.
- Q3) Explain briefly pharmacology of cholinergic and anticholinergic drugs.
- Q4) What are general anaesthetics? Write advantages and disadvantages of nitrous oxide.
- Q5) What is hypertension? Give pharmacological classification of anti-hypertensive drugs.
- Q6) Define hematinic agents. Write pharmacological classification of anti-coagulants.
- Q7) Give informative notes on bronchodilators.

**PART - B**

(Short questions)

Answer any ten questions. Each question carries equal marks.

[10 × 3 = 30]

- Q1) Write notes on anti-ulcer drugs.
- Q2) Classify diuretics.
- Q3) Give the physiological role of thyroid hormones.
- Q4) Write the physiological role of prostaglandins.
- Q5) Write notes on sulphonamides.
- Q6) Classify anti-viral drugs.

- Q7) Give the basic principles of chemotherapy of infections.
- Q8) Write notes Non-steroidal Anti-inflammatory drugs (NSAIDs).
- Q9) Write notes on drugs used in glaucoma.
- Q10) Give notes on laxative and purgative.
- Q11) Write notes on indications of biological agents with examples.

**PART - C**

**(Objective Type Questions)**

Answer all questions. Each questions carries equal marks.

[20 × 1 = 20]

- Q1) Drugs are absorbed in the body by \_\_\_\_\_.
- |                     |                     |
|---------------------|---------------------|
| a) Active transport | b) Simple diffusion |
| c) Both (a) and (b) | d) None             |
- Q2) Stages of Anaesthesia are divided in \_\_\_\_\_.
- |                |                 |
|----------------|-----------------|
| a) Two stages  | b) Three stages |
| c) Four stages | d) Six stages   |
- Q3) Unwanted drug actions are called \_\_\_\_\_.
- |                    |                       |
|--------------------|-----------------------|
| a) Additive effect | b) Synergistic effect |
| c) Side effect     | d) Competitive action |
- Q4) Which drug is used as centrally acting muscle relaxant \_\_\_\_\_.
- |                   |             |
|-------------------|-------------|
| a) Aspirin        | b) Diazepam |
| c) Mefenamic acid | d) None     |
- Q5) Nitroglycerine is used in \_\_\_\_\_.
- |                 |                    |
|-----------------|--------------------|
| a) Hypertension | b) Angina pectoris |
| c) Obesity      | d) Cancer          |
- Q6) Which is an example of biguanide?
- |                  |                  |
|------------------|------------------|
| a) Glibenclamide | b) Repaglinide   |
| c) Metformin     | d) Rosiglitazone |
- Q7) Carbimazole is used in the treatment of \_\_\_\_\_.  
(Hyperthyroidism/Hypothyroidism)
- Q8) Ammonium chloride is used as \_\_\_\_\_.  
(Expectorant/bronchodilator)

Q9) Amphetamine \_\_\_\_\_ the appetite.  
(Suppresses/increases)

Q10) Albendazole is a \_\_\_\_\_ drug.  
(Anthelmintics/antidiarrheal)

Q11) Atropine sulphate is used as \_\_\_\_\_.

- |                   |                |
|-------------------|----------------|
| a) Mydriatic drug | b) Miotic drug |
| c) Sedative drug  | d) None        |

Q12) Morphine is a \_\_\_\_\_ analgesic.  
(Narcotics/non-narcotics)

Q13) Diphenylhydantoin is used in the treatment of \_\_\_\_\_.  
(epilepsy/leprosy)

Q14) Megaloblastic anaemia is also known as \_\_\_\_\_.  
(macrocytic anaemia/microcytic anaemia)

Q15) Insulin is administered by \_\_\_\_\_ route.  
(intravenous/subcutaneous)

Q16) Corticosteroids are used in the treatment of

- |             |                      |
|-------------|----------------------|
| a) Malaria  | b) Status asthmatics |
| c) Diabetes | d) Hypertension      |

Q17) Hormones are produced by \_\_\_\_\_

- |                     |                    |
|---------------------|--------------------|
| a) Endocrine glands | b) Exocrine glands |
| c) Heart            | d) Liver           |

Q18) Drug of choice in the treatment of cardiogenic shock is :

- |                |                     |
|----------------|---------------------|
| a) Epinephrine | b) Dopamine         |
| c) Isopropanol | d) All of the above |

Q19) "Eno, Gelusil, Digene", etc. are the types of \_\_\_\_\_ drugs.

- |                        |                  |
|------------------------|------------------|
| a) Anti-tussive agents | b) Antihistamine |
| c) Antacid             | d) Diuretic      |

Q20) Cefaclor is a cephalosporin of \_\_\_\_\_ Generation.  
(second/third)