

VEER NARMAD SOUTH GUJARAT UNIVERSITY
EXAMINATION AUGUST-2026
T.Y. B.H.M.S. CBDC
SUBJECT CODE:2607000303071101
ESS. OF PHARMACOLOGY: HOM UG-ESS. OF PHARMACOLOGY (THEORY)

Time: 2 Hrs

Total Marks: 50

Instructions:

- a) Attempt all the questions. All questions are compulsory.
- b) Figure to the right indicates marks.
- c) Draw neat and labelled diagram wherever necessary.

Q.1 Select the appropriate answer of the following MCQs (Each of 1 Mark) Total: 05 Marks

A) With repeated use of drug, a higher dose is required in order to get the effect of same magnitude. This phenomenon is called as...

- a) Drug Synergism b) Drug Tolerance
- c) Drug Antagonism d) Drug Automatism

B) Which route of administration gives 100% bioavailability.

- a) Intravenous b) Oral
- c) Topical d) None of these

C) Which of the following is COX 3 Inhibitor?

- a) Aspirin b) Paracetamol
- c) Mefenamic Acid d) All of the above

D) Which of the following is preferred in treatment of gout due to uricosuric effect?

- a) Ibuprofen b) Diclofenac
- c) Indomethacin d) Piroxicam

E) Which of the following diuretics is preferred for CCF patient on digoxin therapy?

- a) Thiazide b) Furosemide
- c) Spironolactone d) Mannitol

Q.2 Short Answer Questions. Answer each question Total: 15 Marks

- A) i)** What is pharmacodynamic? Explain any four factors modifying drug action (2.5)
- ii)** Define pharmacokinetics. Explain in detail metabolism of drug (2.5)
- B)** What are hematinics? Write in brief about different types of anaemia and its clinical management. (05)
- C) i)** Discuss in brief clinical management of Congestive cardiac failure (02)
- ii)** Write mechanism of action and clinical uses of Quinolones (02)
- iii)** Classify the hypoglycemic drugs (01)

Q.3 Long Answer Questions. Answer each question. Total: 30 Marks

- A) i)** Classify Anticholinergic drugs. Discuss pharmacological actions, adverse effects and clinical uses.(05)
- ii)** What are sympathomimetic and sympatholytic drugs? Discuss their clinical uses by justifying with pharmacological action. (05)
- B) i)** Differentiate the term Hypnotic and Sedative. Write classification, pharmacological effects and clinical uses of Benzodiazepines. Explain in brief its advantages over barbiturates. (05)

ii) Differentiate the term Brochodilator, Mucolytic and Anti-tussive. Classify the drugs used in treatment of COPD with mechanism of action.

(05)

C) i) What is Peptic Ulcer Disease? Explain its etiology and clinical management.

(05)

ii) Explain clinical management of constipation and diarrhoea.

(05)

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