



**JBU-4820**

Seat No. \_\_\_\_\_

**Second Year B. D. S. Examination**

**January - 2020**

**General And Dental Pharmacology And  
Therapeutics**

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) Write each section in separate answer book  
(2) Draw figure wherever necessary  
(3) Figures on right indicate marks  
(4) Attend all the questions

**SECTION - I**

- 1** Classify local anaesthetics. Write pharmacological actions, therapeutic uses and Adverse effects of lignocaine. **10**

**OR**

- 1** What is antagonism? Describe receptor antagonism with suitable examples. **10**

- 2** Answer in Brief : (Any Five) **10**

- (a) Define therapeutic index. Give an example of a drug with low therapeutic index.  
(b) Explain rationale for use of beta blockers in congestive heart failure.  
(c) Write mechanism of action of thiazides as diuretics.  
(d) Explain mechanism of action of HMG -Coenzyme inhibitors as hypolipidemic agents.  
(e) Latanoprost in open angle glaucoma.  
(f) Explain role of aspirin as anti platelet drug.

- 3** Write Short Notes : (Any Five) **15**

- (a) Enalapril  
(b) Pre-anaesthetic medication  
(c) Mechanism of action of Succinyl Choline  
(d) Role of chlorhexidine in dentistry  
(e) Atropine in organophosphate poisoning  
(f) Pharmacological basis of carbamazepine in trigeminal neuralgia

## SECTION - II

- 4 Classify Insulin preparations. Describe adverse reactions, drug interactions and uses of insulin **10**
- OR**
- 4 Classify drugs for peptic ulcer. Write mechanism of action, drug interaction and therapeutic uses of proton pump inhibitors. **10**
- 5 Answer in brief : (Any **Two**) **10**
- (a) Vitamin D
  - (b) Second generation anti histaminic drugs
  - (c) Ibuprofen
- 6 Answer in Brief : (Any **Five**) **15**
- (a) Carbimazole
  - (b) Sumatriptan
  - (c) Domperidone
  - (d) Therapeutic uses of Glucocorticoids
  - (e) Salbutamol
  - (f) Oral rehydration solution
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