

MANIPAL UNIVERSITY**SECOND BDS DEGREE EXAMINATION – JULY 2017****SUBJECT: GENERAL AND DENTAL PHARMACOLOGY & THERAPEUTICS (ESSAY)**

Wednesday, July 19, 2017

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

✍ **Answer ALL the questions.**

✍ **Draw diagrams and flow charts wherever appropriate.**

1A. Classify NSAIDs with suitable examples.

1B. Describe four different uses of NSAIDs with suitable examples.

(6+4 = 10 marks)

2A. Classify cephalosporins with suitable examples.

2B. Explain the mechanism of action, clinical uses and adverse effects of amoxicillin.

(4+6 = 10 marks)

3. **Answer the following:**

3A. Mention two inhalational and two injectable preparations of glucocorticoids. Explain two indications of glucocorticoids.

3B. Explain the general effects of alpha blockers.

3C. Name two anticholinesterases. Mention two clinical indications for the same with rationale.

3D. Explain the mechanism of action of furosemide with a suitable diagram. List four adverse effects of the same.

3E. Explain the terms 'antitussives' and 'expectorants' with two examples for each.

3F. Explain four factors that modify drug action with suitable examples.

3G. Explain the advantages and disadvantages of fixed dose combinations.

3H. Write briefly on dentifrices.

3I. Enumerate two angiotensin converting enzyme inhibitors. Mention three indications and three characteristic adverse effects of the same.

3J. Explain the mechanism of action of fluoroquinolones. Mention two examples and indications for the same.

(4 marks × 10 = 40 marks)

