

Reg. No.

MANIPAL UNIVERSITY

SECOND YEAR B.Sc. C.V.T. DEGREE EXAMINATION – JUNE 2013

SUBJECT: PAPER I: PATHOLOGY
(COMMON FOR OLD AND NEW REGULATION)

Monday, June 10, 2013

Time: 10:00-11:30 Hrs.

Max. Marks: 40

1. Define neoplasia. How is neoplasia different from dysplasia and metaplasia? Explain the characteristic features of malignant tumors with suitable examples. Write a note on the prognosis of tumors.

(1+2+3+2 = 8 marks)

2. Describe the predisposing factors, clinical effects and complications of atherosclerosis.

(2+2+3 = 7 marks)

3. **Write short notes on:**

3A. Megaloblastic anaemia

3B. Osteomyelitis

3C. Bronchiectasis

3D. Types of necrosis with examples

3E. Clinical features and complications of Diabetes Mellitus

(5×5 = 25 marks)



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SECOND YEAR B.Sc. C.V.T. DEGREE EXAMINATION – JUNE 2013

SUBJECT: PAPER II: MICROBIOLOGY
(COMMON FOR BOTH OLD AND NEW REGULATION)

Wednesday, June 12, 2013

Time: 10:00-11:30 Hrs.

Max. Marks: 40

Answer all questions. Draw diagrams wherever appropriate:

1. Discuss the mechanisms of autoimmunity. List the diseases involving multiple organs.
(4+3 = 7 marks)
2. Explain the pathogenesis of Mycobacterium tuberculosis. Add a note on its laboratory diagnosis.
(5+3 = 8 marks)
3. **Write short notes on:**
 - 3A. Pathogenesis of typhoid fever
 - 3B. Laboratory diagnosis of syphilis
 - 3C. Contributions of Robert Koch
 - 3D. Pathogenesis and prophylaxis of rabies
 - 3E. Mechanisms of innate immunity(5×5 = 25 marks)



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SECOND YEAR B.Sc. C.V.T. DEGREE EXAMINATION – JUNE 2013

SUBJECT: PAPER III – PHARMACOLOGY
(COMMON FOR OLD & NEW REGULATION)

Friday, June 14, 2013

Time: 10:00-11:30 Hrs.

Max. Marks: 40

- 1A. List four routes of drug administration with an example of a drug given by each of these routes.
- 1B. List three objectives of preanaesthetic medication with a drug used for each objective.
- 1C. List two osmotic diuretics and two therapeutic uses of any one of them.

(4+3+2 = 9 marks)

2. Write briefly on the following:

- 2A. Nitroglycerine
- 2B. Atorvastatin
- 2C. Clinical uses of beta blockers
- 2D. Iron preparations

(3×4 = 12 marks)

3. Define drug synergism and drug antagonism with an example for each.

(4 marks)

4. List four NSAIDs and explain their mechanism of analgesic action. List two specific adverse effects of any one of them.

(2+2+1 = 5 marks)

5. Explain the pharmacological basis for use of the following:

- 5A. Levodopa in parkinsonism
- 5B. Thiazides in hypertension
- 5C. Digoxin in atrial fibrillation

(2×3 = 6 marks)

6. Give two examples for the following:

- 6A. Anti HIV drugs
- 6B. Antithyroid drugs
- 6C. Antiplatelet drugs
- 6D. Antidiarrhoeal

(1×4 = 4 marks)