

MANIPAL UNIVERSITY**FIRST SEMESTER B.P.T. (BRIDGE PROGRAM) EXAMINATION – AUGUST 2012****SUBJECT: BIOCHEMISTRY
(NEW REGULATION)**

Tuesday, August 21, 2012

Time: 10:00-11:30 Hrs.

Max. Marks: 40

✍ Answer ALL questions.**✍ Draw diagrams and flow charts wherever appropriate.**

1. Describe in detail gluconeogenesis from lactate.

(8 marks)

2. Explain the reactions of the urea cycle in detail.

(6 marks)

3. **Write short notes on the following:**

3A. Lipolysis

3B. Lactose intolerance

3C. Dietary fibers

3D. Interpretation of oral glucose tolerance test

(4×4 = 16 marks)

4. **Define the following with TWO examples:**

4A. Disaccharides

4B. Proenzymes

4C. Transamination

4D. Nucleotides

4E. Endopeptidases

(2×5 = 10 marks)



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MANIPAL UNIVERSITY

FIRST SEMESTER B.P.T. (BRIDGE PROGRAM) EXAMINATION – AUGUST 2012

SUBJECT: SOCIOLOGY
(NEW REGULATION)

Thursday, August 23, 2012

Time: 10:00 - 11:30 Hrs.

Max. Marks: 40

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1. What is health? Explain the social factors affecting health status
(2+8 = 10 marks)
 2. What is culture? Explain the impact of culture on human behavior.
(2+8 = 10 marks)
 3. Mention the health problems of urban community and explain its role in public health.
(4+6 = 10 marks)
 4. **Write Short notes on the following:**
 - 4A. Family and Psychosomatic diseases
 - 4B. Consequences of juvenile delinquency on health and suggest remedies
(5×2 = 10 marks)



MANIPAL UNIVERSITY**FIRST SEMESTER B.P.T. (BRIDGE PROGRAM) EXAMINATION – AUGUST 2012****SUBJECT: PHARMACOLOGY
(NEW REGULATION)**

Saturday, August 25, 2012

Time: 10:00 - 11:30 Hrs.

Max. Marks: 40

1A. Explain the mechanism of action of aspirin. List its two therapeutic uses and two adverse effects.

1B. List two disease modifying antirheumatoid drugs.

(4+1= 5 marks)

2. Mention two examples for the following groups of drugs:

2A. Antiretroviral agents

2B. Antifungal agents

2C. Aminoglycosides

2D. Antitussives

2E. Skeletal muscle relaxants

2F. Antitubercular drugs

(1×6 = 6 marks)

3A. List two therapeutic uses and two adverse effects of morphine.

3B. Enumerate two glucocorticoids and mention two uses of any one of them.

(2+2 = 4 marks)

4. List two drugs each used in the following conditions:

4A. Bronchial asthma

4B. Hypertension

4C. Parkinsonism

4D. Chronic gout

4E. Epilepsy

(1×5 = 5 marks)

5. Define the following terms with an example:

5A. Iatrogenic disease

5B. Generic name

5C. Antagonist

5D. Therapeutic index

(2×4 = 8 marks)

6. Mention two examples of following classes of drugs and mention two uses for any of them:

6A. Anticoagulants

6B. Anticholinergics

6C. Adrenergic blockers

6D. Beta lactam antibiotics

(2×4 = 8 marks)

7A. List two sources of drugs with an example for each.

7B. List two factors affecting drug absorption.

7C. List two parenteral routes of drug administration.

(2+1+1 = 4 marks)

