

## MANIPAL UNIVERSITY

SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2014

SUBJECT: BSN 204 – PHARMACOLOGY, PATHOLOGY AND GENETICS (ESSAY)

Monday, June 16, 2014

Time: 10:30 – 13:00 Hrs.

Max. Marks: 45

✍ Answer Section 'A' and Section 'B' in TWO separate answer books.

**SECTION 'A': PHARMACOLOGY (23 MARKS)****1. Answer the following:**

- 1A. Define teratogenicity. Name two drugs causing it.
- 1B. Name two antiemetics and two antidiarrhoeal drugs.
- 1C. Classify peripherally acting skeletal muscle relaxants.
- 1D. Explain the mechanism of action of thiazides. Mention one use and one adverse effect of it.
- 1E. Name four drugs used in epilepsy.
- 1F. Mention two uses and two adverse effects of heparin.
- 1G. Classify antithyroid drugs with one example each.

(2 marks × 7 = 14 marks)

**2. Answer the following:**

- 2A. Classify antitubercular drugs. Explain the mechanism of action of any one first line drug.
- 2B. Mention a drug used in acute attack of asthma, explain the mechanism of action, adverse effects and the route of administration.
- 2C. Name three chelating agents with their uses.

(3 marks × 3 = 9 marks)

**SECTION 'B': PATHOLOGY & GENETICS (22 MARKS)****3. Write short notes:**

- 3A. Cell Cycle
- 3B. Stages of pneumonia
- 3C. Pathogenesis of infective endocarditis
- 3D. Role of nursing in prevention of Neural Tube Defects
- 3E. CSF in tubercular Meningitis

(2 marks × 5 = 10 marks)

**4. Write short notes:**

- 4A. Chronic inflammation
- 4B. Mechanism of irreversible cell injury
- 4C. Metastasis
- 4D. Types of mutations

(3 marks × 4 = 12 marks)



## MANIPAL UNIVERSITY

## SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2014

## SUBJECT: BSN 201 – SOCIOLOGY (ESSAY)

Wednesday, June 18, 2014

Time: 10:15 – 13:00 Hrs.

Max. Marks: 60

✍ **Answer ALL questions.**

1. Answer the following in relation to 'Polygyny':

1A. Causes

1B. Factors favouring

1C. Advantages and disadvantages

(3+3+6 = 12 marks)

2A. Enumerate the problems faced by HIV infected people.

2B. Describe the measures to overcome the problems of HIV positive people.

(6+7 = 13 marks)

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

3A. Causes of population explosion in India and its effect on society

3B. Changes in the caste system in India

3C. Cultural Lag

3D. Types of social organization

3E. Features of village community

3F. Factors responsible for cultural diversity

3G. Characteristics of a crowd

(5 marks × 7 = 35 marks)



**MANIPAL UNIVERSITY****SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2014****SUBJECT: BSN 202 – MEDICAL SURGICAL NURSING – I (ESSAY)**

Friday, June 20, 2014

Time: 10:15 – 13:00 Hrs.

Max. Marks: 60

✍ Answer ALL the questions and give illustrations wherever necessary.

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

- 1A. Management of vomiting
- 1B. Pathophysiology of tuberculosis
- 1C. Clinical manifestations of acute pancreatitis
- 1D. Nurse's responsibility in intravenous pyelogram
- 1E. Causes of hypothyroidism
- 1F. Types of Psoriasis
- 1G. Infection control measures used in operation theatre

(5 marks × 7 = 35 marks)

2. Mr. X, 50 years old bank employee is admitted to the CCU with the complaints of exertional dyspnea, swelling of the lower extremities, fatigue, irregular heart rhythm, dizziness and is diagnosed to have Cardiomyopathy. Explain the following in relation to cardiomyopathy.

**2A. Types**

- 2B. Write seven nursing interventions with rationale for Mr. X

(6+7 = 13 marks)

**3. Answer the following in relation to Rheumatoid arthritis:**

- 3A. Clinical manifestations
- 3B. Medical management

(6+6 = 12 marks)



**MANIPAL UNIVERSITY****SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2014****SUBJECT: BSN 205 – COMMUNITY HEALTH NURSING – I (ESSAY)**

Monday, June 23, 2014

Time: 10:15 – 13:00 Hrs.

Max. Marks: 60

✍ **Answer ALL the questions.**

1. **Discuss the food hygiene under the following headings:**

- 1A. Methods of pasteurization of milk
- 1B. Food standards

(6+6 = 12 marks)

2. **Discuss AIDS under the following headings:**

- 2A. Clinical features
- 2B. Prevention and Control

(5+8 = 13 marks)

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

- 3A. Household purification of water
- 3B. Host and environmental factors of malaria
- 3C. Steps of case-control study
- 3D. Causes and risk factors of epilepsy
- 3E. Demography process
- 3F. Causes of over population
- 3G. Women empowerment

(5 marks × 7 = 35 marks)



**MANIPAL UNIVERSITY****SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2014****SUBJECT: BSN 206 – COMMUNICATION AND EDUCATIONAL TECHNOLOGY (ESSAY)**

Wednesday, June 25, 2014

Time: 10:15 – 13:00 Hrs.

Max. Marks: 60

**Answer ALL the questions:**

- 1A. List the purposes of demonstration method.
- 1B. Explain the phases of demonstration.
- 1C. Write the advantages and disadvantages of demonstration.

(3+3+7 = 13 marks)

- 2A. Define health education.
- 2B. Explain the steps in health education planning.
- 2C. List the principles of planning for health education.

(2+5+5 = 12 marks)

**3. Write short notes on:**

- 3A. Johari window
- 3B. Theories of motivation (any two)
- 3C. Principles of counseling technique
- 3D. Purposes of unit planning
- 3E. Steps of role play
- 3F. Uses of chalkboard
- 3G. Types of rating scale

(5 marks × 7 = 35 marks)



# MANIPAL UNIVERSITY

SECOND YEAR POST BASIC B.Sc. NURSING DEGREE EXAMINATION – MAY 2014

SUBJECT: INTRODUCTION TO NURSING RESEARCH & STATISTICS (PBN - 408)

Monday, May 26, 2014

Time: 10:00 – 12:00 Hrs.

Max. Marks: 35

## SECTION A: INTRODUCTION TO RESEARCH METHODOLOGY: 20 MARKS

☞ Answer **ALL** the questions.

☞ Illustrate answers with tables or flow charts wherever applicable.

- 1A. Explain pretest post test control group design.  
1B. Enumerate the limitation of control group design.

(4+4 = 8 marks)

2. Write short notes on the following:

- 2A. Source of literature review.  
2B. Advantages and disadvantages of non-parametric test.  
2C. Advantage and disadvantage of questionnaire technique.

(4 marks × 3 = 12 marks)

## SECTION B: BIOSTATISTICS (15 MARKS)

☞ Answer **ALL** questions.

- 3A. What are the uses of statistics?  
3B. Complete the table given below:

Age group	Frequency	Cumulative frequency
<25	245	
25-49	400	
50+	355	
Total		

- 3C. Write the features of a Histogram.  
3D. Given that the height of males is approximately normally distributed with a mean of 69 inches and standard deviation of 3 inches. Approximately what percentage of males are:  
i) Between 63 and 75 inches tall      ii) Shorter than 63 inches

(2 marks × 4 = 8 marks)

4A. Calculate mean, median and mode for the following data:

3, 5, 1, 7, 4, 2, 3, 3, 4, 8

4B. Write a hypothetical situation for chi-square test.

(4+3 = 7 marks)

