MANIPAL UNIVERSITY

THIRD YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPT/OCT 2017

SUBJECT: BSN 308 – NURSING RESEARCH AND STATISTICS

Tuesday, September 26, 2017

Time: 10:00 – 13:00 Hrs.   Maximum Marks: 75

✎   **Answer ALL the questions.**
✎   **Write brief, clear, relevant and legible answers.**

SECTION – A: NURSING RESEARCH (50 MARKS)

1A.   Explain the pre-test post-test control group research design.
1B.   Enumerate the advantages and disadvantages of quasi-experimental design.

(7+8 = 15 marks)

2A.   Differentiate between probability and non-probability sampling.
2B.   Explain the factors influencing sampling process.

(8+7 = 15 marks)

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

3A.   Conceptual phase of scientific research
3B.   Sources of literature review
3C.   Steps in writing research report
3D.   Observation as a method of data collection

(5 marks × 4 = 20 marks)

SECTION – B: STATISTICS (25 MARKS)

4.   Explain the types of data with example.

(4 marks)

5.   Construct a frequency polygon for the following data:

Systolic BP	Number of people
115-117	15
117-119	20
119-121	30
121-123	25
123-125	20
125-127	17
Total	127

(5 marks)

6.   Calculate the measures of central tendency for following data.
      4   6   8   14   8   5   7   9

(5 marks)

7A. What is the importance of normal distribution?

7B. If the scores are normally distributed with a mean of 30 and SD of 5. What percentage of scores lies between 20 and 35?

<div align="right">(2+3 = 5 marks)</div>

8A. The following table shows the ranks of ten students arranged in alphabetical order according to their achievements in both laboratory and lecture sections. Obtain the rank correlation coefficient.

Laboratory	Lecture
8	9
3	5
9	10
2	1
7	8
10	7
4	3
6	4
1	2
5	6

8B. List the steps in testing hypotheses.

<div align="right">(4+2 = 6 marks)</div>

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THIRD YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPT/OCT 2017

SUBJECT: BSN 305 – MENTAL HEALTH NURSING (ESSAY)

Tuesday, October 03, 2017

Time: 10:15 – 13:00 Hrs.   Maximum Marks: 60

✍ **Answer ALL the questions.**

✍ **Read the questions carefully and answer legibly. Use illustrations and examples as applicable.**

1A. Explain the principles of psychiatric nursing. (Any SIX)

1B. Describe defense mechanisms with relevant examples. (Any SIX)

(6+6 = 12 marks)

2. Mr. M, 46 years old admitted to psychiatric unit with complaints of euphoria, flight of ideas, pressured speech, hyperactivity, poor impulse control and delusion of grandiosity.

2A. Identify the disease condition.

2B. Explain the treatment modalities of Mr. M.

2C. Prepare a nursing care plan for Mr. M with four prioritized nursing diagnosis.

(1+4+8 = 13 marks)

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

3A. Psychodrama

3B. Legal role of psychiatric nurse

3C. Techniques of Crisis intervention

3D. First rank symptoms of schizophrenia

3E. Transexualism

3F. Cannabis use disorder

3G. Therapeutic impasses

(5 marks × 7 = 35 marks)

MANIPAL UNIVERSITY

THIRD YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPT/OCT 2017

SUBJECT: BSN 301 – MEDICAL SURGICAL NURSING – II (ESSAY)

Friday, October 06, 2017

Time: 10:15 – 13:00 Hrs.   Maximum Marks: 60

✍ **Answer ALL the questions.**

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

1A.   Causes of burn injury

1B.   Abuses of elderly

1C.   Advantages and disadvantages of intrauterine device

1D.   Patient education after cataract surgery

1E.   Clinical manifestations of mastoiditis

1F.   Triaging in disaster

1G.   Steps of CPR for adult

(5 marks × 7 = 35 marks)

2.   Mrs. Y 55 years old, housewife is being treated for cervical cancer by brachytherapy. She gives the history of different cancer for her mother, brother and one of her aunt. Sister of Mrs. Y is 49 years old and expresses her worries of getting cancer. She seeks your help to improve her knowledge on cancer.

2A.   What risk factors do you include to teach her about cancer in general?

2B.   Prepare a teaching plan on warning signs of cancer.

(5+7 = 12 marks)

3.   Mr. X, 50 year old shopkeeper is admitted to neurology ward with the history of tremors, slow and rigid mobility. After a detailed history collection, physical examination and investigation, he is diagnosed with Parkinson's disease. Answer the following questions.

3A.   Describe the Pathophysiological basis for disease of Mr. X.

3B.   Outline the patient and family teaching regarding home care.

(6+7 = 13 marks)

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