



MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION - JULY 2017
SUBJECT: CLINICAL SPECIALITY - I: COMMUNITY HEALTH NURSING (MSN 605.5A)
Monday, July 03, 2017 (10.00 - 13.00 Hrs.)

Marks: 75

Duration: 180 mins.

Answer all the questions.

Illustrate answers wherever applicable.

Draw diagrams, tables or flow charts wherever applicable.

Describe the following in relation to census:

- | | | |
|-----|--|-----|
| 1A) | Phases | (5) |
| 1B) | Administrative set up for coordination | (5) |
| 1C) | Advantages | (5) |
- 2) Explain the application of 'Health Promotion Model' with an example in a community. (15)

Seventeen months old child was brought to the clinic with the complaints of fever since 2 days. On examination her weight was 10 kg and temperature 37.5°C . There were a few red rashes behind the ears and on the neck. This is the initial visit for this illness. Explain the following in relation to management of a sick child with measles based on IMNCI guidelines.

- | | | |
|-----|---------------------|-----|
| 3A) | Clinical assessment | (4) |
| 3B) | Classification | (6) |
| 3C) | Management | (5) |

Write short notes on the following:

- | | | |
|-----|--|-----|
| 4A) | Process of community diagnosis. | (6) |
| 4B) | Methods of waste disposal. (any three) | (6) |
| 4C) | Substance abuse in disaster. | (6) |
| 4D) | Folk media for health education. | (6) |
| 4E) | Functions of Primary Health Centre. | (6) |



MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION - JULY 2017
SUBJECT: CLINICAL SPECIALITY - I: MENTAL HEALTH (PSYCHIATRIC) NURSING (MSN
605.4A)
Monday, July 03, 2017 (10.00 - 13.00 Hrs.)

Marks: 75

Duration: 180 mins.

Answer ALL the questions with relevant illustration.

- 1A) Explain the conditions essential for therapeutic nurse patient relationship. (10)
1B) List the goals of nurse - patient relationship. (5)

Describe the process and application of the following therapies with appropriate examples.

- 2A) Bio-feedback (8)
2B) Guided imagery (7)

- 3A) Explain different systems of classification in Psychiatry. (7)
3B) Describe extended and expanded roles in Psychiatric nursing. (8)

Write short notes on the followings:

- 4A) Components of critical pathways of care. (6)
4B) Mental health issues in conception and pregnancy. (6)
4C) Implication of Psychoneuroimmunology in Psychiatry. (6)
4D) Client teaching for Disulfiram therapy. (6)
4E) Role of Aromatherapy in mental health care. (6)



MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION - JULY 2017
SUBJECT: CLINICAL SPECIALITY - I: CHILD HEALTH (PAEDIATRIC) NURSING (MSN
605.3A)

Monday, July 03, 2017 (10.00 - 13.00 Hrs.)

Marks: 75

Duration: 180 mins.

**Answer ALL the questions. Write the answers clearly and legibly.
Use diagrams, illustrations wherever needed.**

A 12 month old female child is brought to the well baby clinic. Her birth weight was 2.6 kg and birth length was 45 cms. Her mother expresses concerns in relation to various developmental changes during the infancy. Considering her situation, answer the following questions:

- 1A) What is the expected weight and height of the child? (4)
1B) Explain the gross and fine motor development expected monthwise, in (6)
the child.
1C) Discuss the areas of concerns for optimum development of the child. (5)

B/o Mrs.B a post mature baby was born with meconium stains on the body. Baby was cyanotic, tachypneic and was having the classic barrel chest. Baby was diagnosed to have meconium aspiration syndrome. Considering this answer the following:

- 2A) Explain the cases (3)
2B) Discuss the pathophysiology. (4)
2C) Explain the therapeutic management. (8)

- 3) A 17 months old child was brought to the clinic with the complaints of (15)
fever since 2 days. On examination her weight was 10 kg and
temperature 37.5°C. There were a few red rashes behind the ears
and on the neck. This is the initial visit for this illness. Explain the
following in relation to management of a sick child with measles based
on IMNCI guidelines.
3A) Clinical assessment
3B) Classification
3C) Management
(4+6+5 = 15 marks)

Write short notes on the following:

- 4A) Special laws and ordinances relating to children. (6)
4B) 'Loss of control' as a stressor to hospitalized children. (6)
4C) Legal & ethical aspects of genetic screening. (6)
4D) International organizations related to child health. (6)

4E)

Principles of behavioral pediatrics.

(6)



MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION - JULY 2017
SUBJECT: CLINICAL SPECIALITY - I: OBSTETRIC AND GYNAECOLOGICAL NURSING
(MSN 605.2A)

Monday, July 03, 2017 (10.00 - 13.00 Hrs.)

Marks: 75

Duration: 180 mins.

Answer all the questions.

Mrs. X, enters the prenatal clinic. She states to the attending nurse that, she believes that she is pregnant.

- 1A) Which test the nurse should advise Mrs. X, to confirm her pregnancy? (1)
- 1B) Describe the diagnostic tests for pregnancy. (5)
- 1C) Explain the presumptive, probable and positive signs of pregnancy that the nurse should tell Mrs. X. (9)

- 2) Mrs. A is a primipara, who delivered a healthy male baby at 39⁺² weeks of gestation is admitted to the postnatal ward. She is presently in her immediate puerperal period. She reports to you, that her newborn is always sleepy and does not respond to her. Answer the following in relation to "Newborn at term" (15)

- 2A) Explain in detail the behavioural assessment
- 2B) Describe essential newborn care for Mrs. A's newborn (9+6 = 15 marks).

- 3A) Define Partograph. (3)
- 3B) List uses of Partograph. (4)
- 3C) Enumerate the principles of using Partograph. (4)
- 3D) Discuss the role of a Labour room nurse in maintaining a Partograph. (4)

Write short notes on:

- 4A) 'Maternal adaptation' according to Reva Rubin. (6)
- 4B) Standing orders for using drugs in the Labour room. (6)
- 4C) Menstrual cycle with illustration. (6)
- 4D) Family life education. (6)
- 4E) Signs, symptoms and preventive measures for prolapse of uterus. (6)



MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION - JULY 2017
SUBJECT: CLINICAL SPECIALITY - I: MEDICAL SURGICAL NURSING (MSN 605.1A)
Monday, July 03, 2017 (10.00 - 13.00 Hrs.)

Marks: 75

Duration: 180 mins.

Answer all the questions.

Use Illustrations/Diagrams Wherever Appropriate.

Mr. X, 43 years, a known case of asthma, attends the emergency department with 3 days history of fever, myalgia, increasing dyspnea and productive cough. His respiratory rate is 34/mt and is evident that he is using accessory muscles for respiration. ABG shows pH 7.32, pCO₂ - 55 mm of Hg and pO₂ - 58 mm Hg. Patient is sweating profusely and stirring rapidly. Answer the following in relation to Mr X

- 1A) Explain the types of respiratory failure. (4)
- 1B) Justify the type of respiratory failure of Mr X. (3)
- 1C) Describe the medical management of respiratory failure. (8)

Mr. X, 58 years is admitted to the coronary care unit with history of heavy, squeezing substernal pain associated with perspiration. ECG shows ST segment elevation in the leads II, III and aVF. The nurse notices ventricular tachycardia on his ECG monitor, Explain the following with regard to Mr. X

- 2A) The mechanisms of ventricular tachycardia. (4)
- 2B) The immediate management of ventricular tachycardia. (6)
- 2C) Nursing interventions for the pain management of Mr. X. (5)

Mr. B, 74 years, retired bank employee is admitted in a long term care home with mild to moderate multiple joint pains. He had stroke 4 years back and now uses walker. He is planned for discharge from the hospital. Answer the following:

- 3A) Musculoskeletal changes in elderly. (5)
- 3B) Ambulatory care of Mr. B. (10)

Write short notes on the following:

- 4A) Pathophysiological basis for clinical manifestations in leukemia. (6)
- 4B) Types of brain injury. (6)
- 4C) Clinical manifestations of breast cancer. (6)
- 4D) Pathophysiology of Paget's disease. (6)
- 4E) Etiology of ICU psychosis. (6)



MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION - JULY 2017
SUBJECT: MSN 601 - NURSING EDUCATION
Wednesday, July 05, 2017 (10.00 - 13.00 Hrs.)

Marks: 75

Duration: 180 mins.

Answer all the questions.

Illustrate your answer with diagrams and examples wherever appropriate.

Explain **Lesson plan** under the following headings:

- 1A) Significance (7)
1B) Essentials (8)

Describe Lecture as a method of teaching under following headings:

- 2A) Purposes (3)
2B) Techniques of delivering a lecture (6)
2C) Advantages and disadvantages (6)

Imagine that the Indian Nursing Council is planning to revise the curriculum of Pediatric Nursing for M.Sc. Nursing Programme and you are the course coordinator nominated to prepare for it from the institution.

- 3A) What are the factors to be considered while planning? (8)
3B) Explain the importance of curriculum revision. (7)

Write short notes on the following:

- 4A) Need for philosophy in nursing education. (6)
4B) Purposes of using bulletin board. (6)
4C) Characteristics of counseling. (6)
4D) Importance of discipline in nursing educational institutions. (6)
4E) Types of evaluation with examples. (6)



MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION - JULY 2017
SUBJECT: MSN 603 - ADVANCED NURSING PRACTICE
Friday, July 07, 2017 (10.00 - 13.00 Hrs.)

Marks: 75

Duration: 180 mins.

Answer ALL the questions.

Discuss the following in relation to cell injury:

- | | | |
|-----|--|-----|
| 1A) | Etiology | (2) |
| 1B) | Cellular adaptation | (5) |
| 1C) | Pathogenesis of reversible cell injury | (8) |

Answer the following questions:

- | | | |
|-----|---|------|
| 2A) | Describe the major concepts in Nightingale's theory. | (8) |
| 2B) | Explain the application of Nightingale's theory in nursing. | (7) |
| 3A) | Meaning of transcultural nursing. | (3) |
| 3B) | Explain any one model of transcultural nursing. | (12) |

Write short notes on the following:

- | | | |
|-----|---|-----|
| 4A) | Futuristic nursing | (6) |
| 4B) | Models of prevention | (6) |
| 4C) | Steps in cross sectional studies | (6) |
| 4D) | Stress and adaptation | (6) |
| 4E) | Role of nurses in assessment of genetic disorders | (6) |



MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION - JULY 2017
SUBJECT: MSN 604 - NURSING RESEARCH AND STATISTICS
Monday, July 10, 2017 (10.00 - 13.00 Hrs.)

Marks: 75

Duration: 180 mins.

SECTION - A: NURSING RESEARCH (50 MARKS)

Answer all the questions.

Explain with examples whenever necessary.

1. An investigator would like to study the knowledge and beliefs of primipara mothers regarding postnatal practices in a selected tertiary care hospital:

- 1A) What is the best research design for this research? Justify your answer. (3)
- 1B) Enumerate the objectives for this study. (3)
- 1C) Explain the research process for this study. (7)

2. Researcher plans to carry out a study titled "perceived body image, dieting attitude and BMI among high school students in selected schools."

- 2A) What type of data collection instruments to be prepared by the researcher to collect the data? Justify your answer. (5)
- 2B) Outline two data collection instruments for this study. (8)

3. Write short notes on the following:

- 3A) Procedures for protecting study participants in research. (6)
- 3B) Difference between simple and complex hypothesis with an example each. (6)
- 3C) Probability sampling technique. (6)
- 3D) Steps in quantitative data analysis. (6)

SECTION - B: STATISTICS (25 MARKS)

Answer all the questions.

Explain with examples whenever necessary.

- 4) Seventy patients with stasis ulcers of the leg were randomly divided into two equal groups. Each group received a different treatment for edema. At the end of the experiment, treatment effectiveness was measured in terms of reduction in leg volume as determined by water displacement. The means and standard deviations for the two groups were as follows: (5)

GROUP (Treatment)	mean	sd
A	95 cc	25
B	125 cc	30

Construct a 95% confidence interval for the difference in means.

$$[t_{1-\alpha/2}(68) = 1.99]$$

- 5) Fifteen patient records from each of two hospitals were reviewed and assigned a score designed to measure level of care. The scores were as follows: (5)
 Hospital A: 99, 85, 73, 98, 83, 88, 99, 80, 74, 91, 80, 94, 94, 98, 80
 Hospital B: 78, 74, 69, 79, 57, 78, 79, 68, 59, 91, 89, 55, 60, 55, 79
 Would you conclude, at the .05 level of significance, that the two population medians are different? $\chi^2(1) = 3.84$
- 6) Compute standard deviation for the following data regarding the heart rate (bpm) of seven rat pups from an experiment involving the carotid artery. (4)
 500 570 560 570 450 560 570
- 7) Compute mean and median for the following data regarding weight(kg) of infants: (3)
 2.31 2.63 2.89 3.23 3.16 2.90 2.65 3.30 3.00 2.44
- 8) Classify the following into different scales of measurement: (3)
 i) Gender
 ii) Systolic blood pressure
 iii) Temperature ($^{\circ}\text{C}$)
- 9) Define Neonatal Mortality Rate with an example. (2)
- 10) How is rate different from ratio? (2)
- 11) The Spearman rank-correlation coefficient is: (1)
 i) a correlation measure based on the average of data items.
 ii) a correlation measure based on rank-ordered data for two variables.
 iii) a correlation measure based on the median of data items.
 iv) None of these alternatives is correct.