

MANIPAL UNIVERSITY**FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2016****SUBJECT: CLINICAL SPECIALITY – I: CHILD HEALTH (PAEDIATRIC) NURSING (MSN 605.3A)**

Monday, June 27, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

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

1. Explain growth and development of children under following headings:

- 1A. Principles of growth and development with appropriate examples [any '8']
- 1B. Factors influencing growth and development

(8+7 = 15 marks)

2. Explain newborn under the following headings:

- 2A. Characteristics of a term neonate
- 2B. Essential newborn care

(7+8 = 15 marks)

3. A 5 week's old infant was brought to the clinic with the complaints of yellowish discoloration of palms and soles for the last three days. Clinical examination revealed that child's weight was 3 kg, temperature was 37°C. This is the initial visit for this illness. Infant was diagnosed to have jaundice. Explain the following based on IMNCI guidelines to manage of a sick young infant with jaundice.

- 3A. Clinical assessment
- 3B. Classification
- 3C. Management

(4+6+5 = 15 marks)

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

- 4A. National health policy for children
- 4B. Separation anxiety as a stressor to hospitalized children
- 4C. Role of nurse in genetic counseling
- 4D. National organizations related to child health
- 4E. Classification and management of Anorexia Nervosa

(6 marks × 5 = 30 marks)



MANIPAL UNIVERSITY**FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2016****SUBJECT: CLINICAL SPECIALITY – I: MEDICAL SURGICAL NURSING (MSN 605.1A)**

Monday, June 27, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

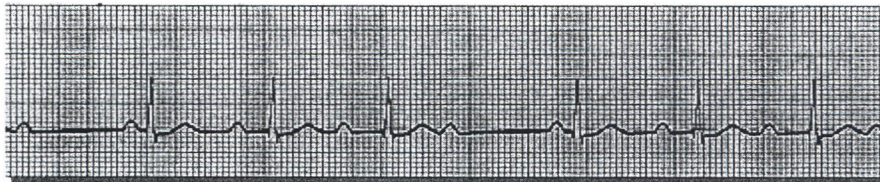
- ✍ **Answer ALL questions.**
- ✍ **Use illustrations/diagrams wherever appropriate.**

1. Describe pleural effusion under the following headings:

- 1A. Types
- 1B. Pathophysiology
- 1C. Medical management

(4+5+6 = 15 marks)

2. Mr. X, 60 years is admitted to the CCU with history of sudden onset of severe sub sternal discomfort, breathing difficulty and profound sweating. Sub sternal discomfort lasted for more than 15 minutes. On admission, his cardiac biomarkers are found to be elevated. Cardiac monitor rhythm strip on lead II shows the following rhythm.



Answer the following.

- 2A. Interpret the ECG rhythm strip with justification
- 2B. Explain the immediate management of Mr X.

(6+9 = 15 marks)

3. Discuss the following in relation to appendicitis:

- 3A. Specific assessment tests
- 3B. Cardinal features

(10+5 = 15 marks)

4. Write short notes on the following:

- 4A. Diagnostic measure for dengue fever
- 4B. Side effects of corticosteroid therapy
- 4C. Clinical course of multiple sclerosis
- 4D. Postoperative patient teaching for cataract surgery
- 4E. Methods of closed fracture reduction

(6 marks × 5 = 30 marks)



MANIPAL UNIVERSITY**FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2016****SUBJECT: CLINICAL SPECIALITY- I: OBSTETRIC & GYNAECOLOGICAL NURSING (MSN 605.2A)**

Monday, June 27, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

✍ Answer ALL questions.

- 1A. Maternal steps in role taking
- 1B. Emotional attachment during pregnancy
- 1C. Maternal tasks of pregnancy

(4+3+8 = 15 marks)

- 2A. Explain the physiology of third stage of labour with illustrations.
- 2B. Describe in detail the nursing management in the fourth stage of labour and immediate puerperium.

(6+9 = 15 marks)

3. Mrs. B, got admitted to the postnatal ward with the history of high grade fever (102° F) with chills and rigor, foul smelling vaginal discharge and abdominal pain. During examination uterus appears to be subinvoluted and is tender to touch.
 - 3A. Identify the condition (diagnosis).
 - 3B. Enumerate the predisposing factors.
 - 3C. Describe the preventive aspects and treatment measures for Mrs. B's condition.

(2+6+7 = 15 marks)

4. Write short notes on:

- 4A. Causes, signs and symptoms of Pelvic Inflammatory Disease
- 4B. Preventive obstetrics
- 4C. Standing orders for nurses on use of selected lifesaving drugs in Midwifery
- 4D. Physiology of the female reproductive system
- 4E. Management, information and evaluation in family welfare services

(6 marks × 5 = 30 marks)



MANIPAL UNIVERSITY**FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2016****SUBJECT: CLINICAL SPECIALITY- I: MENTAL HEALTH (PSYCHIATRIC) NURSING (MSN 605.4A)**

Monday, June 27, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions with relevant illustrations.

1. Discuss the stages of Erikson's psychosocial development with relevant examples. (15 marks)

2A. Explain the factors influencing communication.

2B. Describe communication with groups.

(7+8 = 15 marks)

3A. Enumerate the principles of behaviour therapy.

3B. Explain the clinical application of any two behavioural techniques in the treatment of Psychiatric disorder.

(3+12 = 15 marks)

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

4A. Four basic styles of communication

4B. Classification and mechanism of action of anti-psychotics

4C. Ayurveda as therapy for mental illness

4D. Characteristics of self - concept

4E. Functions of case manager in Community Psychiatric practice

(6 marks × 5 = 30 marks)



MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2016

SUBJECT: MSN 601 – NURSING EDUCATION

Wednesday, June 29, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

- ✍ Answer ALL questions.
- ✍ Illustrate your answers with diagrams and examples wherever appropriate.

- 1A. List the components of behavioral learning objective.
- 1B. Formulate a behavioral learning objective with all components.
- 1C. Explain the psychomotor levels of learning with relevant examples.

(1+2+12 = 15 marks)

2. Discuss the following in relation to Instructional strategies:

- 2A. Classification
- 2B. Principles of selection

(5+10 = 15 marks)

3. Imagine that you are teaching OBG Nursing for Forth year BSc. Nursing students. You have decided to assess the practical skills of students in the most objective manner. Explain the plan with which you are going to conduct the examination.

(15 marks)

4. Write short notes on the following:

- 4A. Questioning skills and techniques
- 4B. Principles of Guidance
- 4C. Job description of a Principal of School of Nursing
- 4D. Characteristics of a teacher
- 4E. Methods of evaluation

(6 marks × 5 = 30 marks)



MANIPAL UNIVERSITY**FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2016****SUBJECT: MSN 603 – ADVANCED NURSING PRACTICE**

Friday, July 01, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

1A. Discuss the various skills required for critical thinking.

1B. Explain critical thinking competencies.

(10+5 = 15 marks)

2A. Discuss the nursing roles according to Hildegard Peplau.

2B. Explain the application of Peplau's theory to nursing.

(8+7 = 15 marks)

3. Discuss on expanded roles of a nurse.

(15 marks)

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

4A. Advantages and disadvantages of collective bargaining

4B. Functions of Union Ministry of Health and Family Welfare

4C. Scope of epidemiology

4D. Events taking place during interphase of cell cycle

4E. Different components of computer

(6 marks × 5 = 30 marks)



MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2016

SUBJECT: MSN 604 – NURSING RESEARCH AND STATISTICS

Monday, July 04, 2016

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

- ✗ **Answer ALL the questions. Explain with examples wherever necessary.**
 ✗ **Answer Section 'A' and Section 'B' in two separate Answer Books.**

SECTION – A : NURSING RESEARCH : 50 MARKS

- 1A. Explain qualitative research designs with examples.
 1B. Describe the technique of sampling in qualitative research.
(10+3 = 13 marks)
2. Researcher plans to carry out a study titled “stressors of ICU patients and the psychosocial needs of family members in selected hospitals.”
 2A. What type of data collection instruments to be prepared by the researcher to collect the data? Justify your answer.
 2B. Outline two data collection instruments for this study.
(5+8 = 13 marks)
3. **Write short notes on the following:**
- 3A. Historical evolution of research in nursing
 3B. Types of variables in research with one example each
 3C. Factors influencing sampling process
 3D. Importance of data analysis
(6 marks × 4 = 24 marks)

SECTION – B : STATISTICS : 25 MARKS

1. Suppose we measure the thickness of plaque (mm) in the carotid artery of 10 randomly selected patients with mild atherosclerotic disease. Two measurements are taken, thickness before treatment with Vitamin E (baseline) and after two years of taking Vitamin E daily. Do the data provide enough evidence to indicate that there is a difference in plaque before and after treatment with vitamin E for two years? [$\alpha = 0.01$, $t_{1 - \alpha/2} (9) = 3.25$]

Before	0.66	0.72	0.85	0.62	0.59	0.63	0.64	0.70	0.73	0.68
After	0.61	0.65	0.79	0.63	0.51	0.55	0.62	0.67	0.65	0.64

(5 marks)

2. Compute mean and variance for the following data regarding the number of post-operative days until diagnosis of the infection for each subject experiencing an infection.

16	10	19	15	7	12	8	19	11	18	13	17
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(5 marks)

3. The following scores represent a nurses' assessment of the condition of 10 patients at time of admission to a trauma centre. Determine the median and quartile deviation.

18	13	4	15	3	12	8	18	7	10
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(5 marks)

4. Construct a bar chart for the following data:

Blood Group	O	A	B	AB
Number Of Persons	120	45	135	60

(3 marks)

5. Describe test retest method of assessing reliability.

(3 marks)

6. Define Perinatal Mortality Rate with an example.

(2 marks)

7. Which of the following tests would not be an example of nonparametric method?

- 7A. Mann-Whitney-Wilcoxon test
- 7B. Wilcoxon signed-rank test
- 7C. sign test
- 7D. t test

(1 mark)

8. In a study of the relationship between self-concept and achievement, a correlation of 0.85 was found. This indicates that the relationship between these two variables is:

- 8A. weak and positive
- 8B. strong and positive
- 8C. weak and negative
- 8D. one of independence

(1 mark)

