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MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2014

SUBJECT: MSN 601 – NURSING EDUCATION

Monday, June 30, 2014

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

Answer all questions.

Illustrate your answers with diagrams and examples wherever appropriate.

1. Formulate the objectives for cognitive levels of learning according to Benjamin Bloom.

(15 marks)

2. Explain the following in relation to Role play:

2A. Principles

2B. Process

~~(15)~~⁹ = 15 marks)

3. Imagine that the Indian Nursing Council is planning to revise the course content of Nursing Education for the first year MSc Nursing and you as the Subject coordinator nominated to take lead.

What approach and steps you will consider while revising the curriculum?

(15 marks)

4. **Write short notes on:**

4A. Educational commissions of India

4B. Tips for effective Power Point presentation

4C. Planning for CNE

4D. Methods of teacher evaluation

4E. Uses of Item Analysis

*(6 marks × 5 = 30 marks)

MANIPAL UNIVERSITY**FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2014****SUBJECT: MSN 603 – ADVANCED NURSING PRACTICE**

Wednesday, July 02, 2014

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions.

1. Discuss the following in relation to nursing diagnosis:

1A. Types

1B. Components

1C. Guidelines for formulating the nursing diagnosis

(5+6+4 = 15 marks)

2A. Draw the conceptual model of self-care theory according to Dorothea Orem.

2B. Explain the three related theories in Orem's general theory of nursing.

(9+6 = 15 marks)

3. Discuss on gender sensitive issues in India.

(15 marks)

4. **Write short notes on:**

4A. Telemedicine

4B. Epidemiological approach

4C. Patterns of nursing care delivery in India

4D. Differences between mitosis and meiosis

4E. General characteristics that make a computer very useful

(6 marks × 5 = 30 marks)

MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2014

SUBJECT: MSN 604 – NURSING RESEARCH AND STATISTICS

Friday, July 04, 2014

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions. Explain with examples whenever necessary.**

✍ **Answer Section 'A' and Section 'B' in two separate Answer Books.**

SECTION – A : NURSING RESEARCH : 50 MARKS

1. An investigator would like to study “the self concept and bio psychosocial variables among breast cancer patients in Karnataka.”
 - 1A. What is the best research design for this research? Justify your answer.
 - 1B. Enumerate the objectives for this study?
 - 1C. Explain the research process for this study.

(3+3+7 = 13 marks)

2. Researcher plans to carry out a study titled “Effectiveness of laughter therapy on physiological parameters, stress and quality of life among elderly residing in selected old age homes”.
 - 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:

- 3A. Scientific method as one of the type of acquiring knowledge
- 3B. Sources for selecting a research problem
- 3C. Sampling error
- 3D. Advantages and disadvantages of oral research reports

(6 marks × 4 = 24 marks)

SECTION – B : STATISTICS : 25 MARKS-

4. Find the median and the quartile deviation for the following data regarding the number of patients visiting a doctor's clinic on 10 days:

12 16 17 10 11 12 15 19 16 13

(6 marks)

5. In a study conducted on 625 adults, their mean daily consumption of vitamin A was found to be 920 IU. The mean daily requirement of vitamin A has been documented as 930 IU with a standard deviation of 90 IU. Perform a suitable test at 5% level of significance and comment whether the consumption and requirement differ significantly. [critical value = 1.96]

(4 marks)

6. The weights of 65 children are represented by the following table:

Weight	[50, 60)	[60, 70)	[70, 80)	[80,90)	[90, 100)	[100, 110)	[110, 120)
f_i	8	10	16	14	10	5	2

Construct a frequency polygon.

(4 marks)

7. Form a frequency table along with relative frequencies for the ages of 48 patients given below. (Class intervals: 0 – 15, 15 – 30, 30 – 45, so on)

47 33 46 17 38 10 36 29 40 22 40 65
32 36 42 76 50 30 34 25 36 39 36 42
15 30 39 53 47 64 31 07 39 43 62 30
32 39 24 57 37 47 27 43 43 54 40 39

(4 marks)

8. Define qualitative and quantitative variable with an example each.

(2 marks)

9. List any four properties of correlation coefficient.

(2 marks)

10. Define Post - Neonatal Mortality Rate with an example.

(2 marks)

11. When ranking combined data in a Wilcoxon signed rank test, the data that receives a rank of 1 is the:

- Lowest value
- Highest value
- Middle value
- Average of the highest and the lowest of values

(1 mark)

MANIPAL UNIVERSITY**FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2014****SUBJECT: CLINICAL SPECIALITY – I: MEDICAL SURGICAL NURSING (MSN 605.1A)**

Monday, July 07, 2014

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

✍ Answer all questions.**✍ Use Illustrations/Diagrams Wherever Appropriate**

1. Describe mechanical ventilation under the following headings:

1A. Modes of ventilation

1B. Indications

1C. Weaning parameters

(6+4+5 = 15 marks)

2. Mrs. Y, 52 years old and weights about 55 Kg, is admitted to CCU with the complaints of dyspnea, weakness, decreased urine output. She is diagnosed to have CCF. Physical examination revealed that BP is 80/50, HR is 108/mt, SpO₂ is 90%, and ejection fraction is 48%. Cardiologist decides to start her on dopamine infusion at 5µgm/ kg weight /minute. Answer the following in relation to Mrs. Y:

2A. Explain the reconstitution of injection dopamine for administration in syringe infusion pump.

2B. Calculate the volume of injection dopamine to be infused by using a syringe infusion pump.

2C. Describe the role of injection dopamine in Mrs. Y's condition.

(4+5+6 = 15 marks)

3. Mrs. Y, 58 years is admitted to CCU with the complaints of shortness of breath, severe chest pain, profuse sweating and has intermittent cough with pink, frothy sputum. Physical examination revealed that her BP is 100/70mmof Hg, HR is 122/mt, SpO₂ is 93%, RR is 42/mt with bilateral gross crepitations, and accessory muscles are used for ventilation with neck muscles engorgement. ECG findings are suggestive of anterior wall Myocardial Infarction. Describe respiratory system assessment under the following headings:

3A. Importants of thoracic landmarks.

3B. Significance of respiratory manifestations in Myocardial Infarction.

(15 marks)

4. **Write short notes on:**

4A. Clinical manifestations of pemphigus vulgaris

4B. Types of aortic aneurysms

4C. Mechanisms of head injury

4D. Types of pituitary tumors

4E. Prevention of Severe Acute Respiratory Syndrome

(6 marks × 5 = 30 marks)

MANIPAL UNIVERSITY**FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2014****SUBJECT: CLINICAL SPECIALITY- I: OBSTETRIC & GYNAECOLOGICAL NURSING (MSN 605.2A)**

Monday, July 07, 2014

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

✍ Answer ALL the questions.

1. Mrs. B, G₁P₀L₀ is admitted to the labour room with true labour. Per Vaginal examination reveals that the cervix is 5 cm dilated and fetal head is (-1) station:

1A. Discuss the important intrapartum monitoring for Mrs. B at this phase of labour.

1B. Describe in detail the physiology of first stage of labour.

(5+10 = 15 marks)

2. Mrs. X, a primipara complains of pain and hardness of the left breast on the 5th postnatal day. She also tells that her baby is not sucking well and crying frequently. During clinical examination, she was found to have breast engorgement. Considering this situation, answer the following:

2A. Describe the treatment aspects and preventive measures for Mrs. X's condition.

2B. Explain advantages of demand breastfeeding for Mrs. X.

(8+7 = 15 marks)

3A. Explain the meaning and uses of Non Stress Test.

3B. List the differences between Cardiotocography (CTG) and Non Stress Test (NST).

3C. Explain the nursing care for woman undergoing a NST.

(4+6+5 = 15 marks)

4. **Write short notes on:**

4A. Types of anesthesia used in Obstetrics

4B. Epidemiological aspects of maternal and child health

4C. Recent advancements in contraceptive technology

4D. Fetal circulation with illustration

4E. Uterine malformations

(6 marks × 5 = 30 marks)

MANIPAL UNIVERSITY**FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2014****SUBJECT: CLINICAL SPECIALITY – I: CHILD HEALTH (PAEDIATRIC) NURSING (MSN 605.3A)**

Monday, July 07, 2014

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

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

- 1A. Explain the Freud's theory of psychosexual development.
- 1B. Describe the factors influencing growth and development.

(10+5 = 15 marks)

2. Explain respiratory distress syndrome (RDS) under following headings:
 - 2A. Pathophysiology
 - 2B. Clinical features
 - 2C. Management of newborn with RDS

(4+4+7 = 15 marks)

3. A 7 week's old infant was brought to the clinic with the complaints of diarrhea for the last 3 days. Infant was taking breast feed about 5 times in 24 hours and was taking other foods and drinks. On examination her weight was 3kg. Her temperature was 37°C. This is the initial visit for this illness. Explain the following in relation to management of a sick young infant with malnutrition based on IMNCI guidelines.

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

(4+6+5 = 15 marks)

4. **Write short notes on:**

- 4A. Dietary history as a method of nutritional assessment
- 4B. Functions of play for hospitalized children
- 4C. Prenatal factors influencing growth & development of fetus
- 4D. Antenatal aspects of preventive paediatrics
- 4E. Role of nurse in management of child with learning disorder

(6 marks × 5 = 30 marks)

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MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2014

SUBJECT: CLINICAL SPECIALITY- I: PSYCHIATRIC (MENTAL HEALTH) NURSING (MSN 605.4A)

Monday, July 07, 2014

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

✍ Answer all the questions with relevant illustrations.

1. Explain family therapy and its application in the Psychiatric Treatment.

(15 marks)

2A. Describe the components of self- awareness.

2B. Explain the application of Johari window in clinical setting.

(5+10 = 15 marks)

3A. Describe the chapters of Mental Health Act of 1987.

3B. Critique Mental Health Act of 1987.

(10+5 = 15 marks)

4. **Write short notes on:**

4A. Role of Community Mental health nurse in primary prevention

4B. Role of nurse in pre and intra ECT care

4C. Public health model of Community Psychiatry

4D. Postnatal depression and its management

4E. Stressors from the environment

(6 marks × 5 = 30 marks)

MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2014

SUBJECT: CLINICAL SPECIALITY – I: COMMUNITY HEALTH NURSING (MSN 605.5A)

Monday, July 07, 2014

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

✍ Answer ALL questions. Illustrate answers wherever applicable.

✍ Draw diagrams, tables or flow charts wherever applicable.

1. Explain the phenomena which describes the demography and stages of demography transition.

(6+9 = 15 marks)

2. Explain 'community nutrition' under the following headings:

2A. Methods of nutritional assessment.

2B. Nutritional programs in India (Any FOUR).

(7 + 8 = 15 marks)

3. Nineteen months old female child was brought to the clinic with the complaints of fever and running nose since 2 days. Her weight was 10 kg and temperature 37.5°C. This is the initial visit for this illness. Explain the following in relation to management of a sick child with fever based on IMNCI guidelines.

3A. Clinical assessment

3B. Classification

3C. Management

(4+6+5 = 15 marks)

4. Write short notes on:

4A. Ethical and legal issues of community health nursing

4B. Sanitary land-fill method of waste disposal

4C. Nursing care for children in disaster

4D. Information, Education and Communication (IEC) Implementation strategies

4E. Organization of health care delivery system at state level

(6 marks × 5 = 30 marks)