MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2015

SUBJECT: MSN 601 – NURSING EDUCATION

Monday, June 29, 2015

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

✍   **Answer ALL questions.**

✍   **Illustrate your answers with diagrams and examples wherever appropriate.**

1.   Explain the process of learning with relevant clinical examples from nursing.

(15 marks)

2.   Explain Group discussion as a method of teaching under the following heading:

2A.   Purposes

2B.   Method of conducting group discussion

2C.   Advantages and disadvantages

(2+9+4 = 15 marks)

3.   Explain the principles involved in selection and organization of learning experience to attain the objectives of educational programme.

(15 marks)

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

4A.   Types of Intelligence tests

4B.   CNE as a process

4C.   Qualities of a teacher

4D.   Appraising classroom tests

4E.   Types of OHP transparencies and their uses

(6 marks × 5 = 30 marks)

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FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2015

SUBJECT: CLINICAL SPECIALITY – I: MEDICAL SURGICAL NURSING (MSN 605.1A)

Wednesday, July 01, 2015

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

✍ **Answer ALL questions.**

✍ **Use illustrations/diagrams wherever appropriate.**

1. Mr. X, 60 years is a known case of advanced emphysema. He quit smoking cigarettes two years ago after multiple attempts. He is admitted to cardiothoracic unit, is on low flow oxygen, bronchodilators as well as antibiotics and oral corticosteroids. He gets short of breath with activities of daily living. He is advised to undergo surgery.

1A. Describe surgical interventions in emphysema

1B. Explain the pre - operative preparation of Mr. X

1C. Describe the post operative care of Mr. X.

(4+6+5 = 15 marks)

2. Describe the following in relation to pacemakers.

2A. Indications for cardiac pacing

2B. Types of Pacemakers

2C. Self care advice for a client with a permanent pacemaker.

(5+5+5 = 15 marks)

3. Ms. Y, 36 years old hotel employee is brought to burns unit with thermal burn injury. On examination: she is conscious, oriented, pulse -110 beats/min, BP – 94/56 mm of Hg, respiration – 26 breaths/min. She has multiple burn injuries on her face, neck, upper limbs, chest and upper abdomen. Blood investigation reveals Hb-12gm%, PCV-58%, serum albumin - 2.8gm/dl, serum sodium – 126 mEq/L. Her height is 154 cm and weights about 55 kg. She has 60% total body surface area (TBSA) burn according to Lund and Browder chart. Answer the following in relation Ms. Y

3A. Explain the pathophysiological basis for clinical manifestations

3B. Describe the emergent phase of nursing management

(6+9 = 15 marks)

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

4A. Classification of leukemia

4B. Pathophysiology of Paget's disease

4C. Classification of brain tumor

4D. Causes of fulminant hepatic failure

4E. Types of otitis media

(6 marks × 5 = 30 marks)

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MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2015

SUBJECT: CLINICAL SPECIALITY- I: OBSTETRIC & GYNAECOLOGICAL NURSING (MSN 605.2A)

Wednesday, July 01, 2015

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

✍ **Answer ALL questions.**

1. Mrs. A, with Obstetric score of P_2L_2, is admitted to the recovery room. She delivered a live male baby weighing 3000 grams by spontaneous vaginal delivery (SVD). She complains of cramping like pain in her abdomen as well as fullness and pain in the breast.

1A. Identify the minor discomforts Mrs. A is experiencing.

1B. Explain the physiological changes which may occur in Mrs. A.

1C. Describe the nursing interventions carried out for Mrs. A to manage the minor discomforts she is experiencing.

(2+8+5 = 15 marks)

2A. List the alternative and complementary therapies used during labour.

2B. Discuss 'water birth' as an alternative therapy used during labour.

2C. Describe the role of a nurse in providing alternative therapies during labour.

(4+6+5 = 15 marks)

3. Mrs. Y, a primigravida, gets admitted to the antenatal ward for safe confinement. She reports of perceiving lot of fetal movements in the left flank of her abdomen.

3A. Describe the physiological changes taking place in Mrs.Y.

3B. Enumerate the biophysical methods for assessing fetal well being.

3C. Develop an outline of teaching points for Mrs. Y, to enhance the wellbeing of her fetus.

(5+6+4 = 15 marks)

4. **Write short notes on:**

4A. Physiology of the male reproductive system

4B. Maternal role development as described by Regina Lederman

4C. Role of nurse in family welfare programmes

4D. Causes and clinical features of uterine displacement

4E. Analgesics used in Obstetrics

(6 marks × 5 = 30 marks)

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FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2015

SUBJECT: CLINICAL SPECIALITY – I: CHILD HEALTH (PAEDIATRIC) NURSING (MSN 605.3A)

Wednesday, July 01, 2015

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 TEN]

1B.   Erickson's theory of psychosocial development

(5+10 = 15 marks)

2.   Explain neonatal assessment under the following headings:

2A.   Characteristics of term neonate

2B.   Immediate newborn care

2C.   Newborn reflexes - Any four

(7+4+4 = 15 marks)

3.   A 9 months old male child was brought to the clinic with the complaints of diarrhea for 3 days, and there was no blood in the stool. His weight was 10 kg and temperature 37.5°C. Child's eyes looked sunken. This is the initial visit for this illness. Explain the following in relation to management of a sick child with diarrhea based on IMNCI guidelines.

3A.   Clinical assessment

3B.   Classification

3C.   Management

(4+6+5 = 15 marks)

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

4A.   Developmental assessment

4B.   Nursing care principles for hospitalized children

4C.   Disorders of chromosome structure

4D.   Baby friendly hospital initiative

4E.   Management of child with eating disorders

(6 marks × 5 = 30 marks)

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FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2015

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

Wednesday, July 01, 2015

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

✍ **Answer ALL the questions with relevant illustrations.**

1A. Explain the standards of professional performance of Psychiatric nursing.

1B. Describe principles of Psychiatric nursing.

(5+10 = 15 marks)

2. Explain stages of interpersonal development and its relevance in Psychiatric nursing.

(15 marks)

3. Explain the working phase of nurse patient relationship.

(15 marks)

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

4A. Anterior pituitary hormones

4B. General adaptation model

4C. Techniques to promote assertive communication

4D. Problems related to puerperium

4E. Classification and mechanism of action of anti-depressants

(6 marks × 5 = 30 marks)

MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2015

SUBJECT: MSN 603 – ADVANCED NURSING PRACTICE

Friday, July 03, 2015

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

1A. Define neoplasia.

1B. Compare between benign and malignant tumours.

1C. Explain the etio-pathogenesis of cancer.

(1+6+8 = 15 marks)

2A. Discuss the major concepts in King's theory.

2B. Explain the major assumptions according to King's theory.

(7+8 = 15 marks)

3. Explain the transcultural assessment model.

(15 marks)

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

4A. Futuristic nursing

4B. Functions of union and concurrent list

4C. Uses of epidemiology

4D. Principles of communication

4E. Human karyotype analysis

(6 marks × 5 = 30 marks)

MANIPAL UNIVERSITY

FIRST YEAR M.Sc. NURSING DEGREE EXAMINATION – JUNE/JULY 2015

SUBJECT: MSN 604 – NURSING RESEARCH AND STATISTICS

Monday, July 06, 2015

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

1.   An investigator would like to study the "Stress experienced and coping strategies adopted by the mothers of leukemic children in a selected hospital."

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 sensitization program about noise reducing protocol on noise level, knowledge and practice of staffs regarding noise reduction in NICU."

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.   Elements of informed consent in research

3B.   Types of assumptions in research

3C.   Approaches to incorporate theories into research

3D.   APA reference style with examples

(6 marks × 4 = 24 marks)

SECTION – B : STATISTICS : 25 MARKS

1.   The following are the intraocular pressure (mmHg) values recorded for a sample of 12 elderly subjects.

14.3 12.0 24.2 13.5 10.0 18.5 20.8 15.8 14.9 19.6 12.0 16.4

Can we conclude with 5% level of significance, from these data that the mean intraocular pressure of the population from which the sample was drawn is 14mmHg? [$t_{1 - \alpha/2}(11) = 2.20$]

(6 marks)

2. Calculate median and quartile deviation for the following data:

   Hb level (in gm %): 14 10 11 12 10 13 14 11 13

   (5 marks)

3. Mean and standard deviation of pulse rate for a group of individuals is 70 and 2 beats per minute respectively. The mean and standard deviation of height is 64 and 3 inches respectively. Which of the two characteristics is more consistent?

   (4 marks)

4. Classify the following into nominal, ordinal, interval or ratio scale:

4A. Hospital Number

4B. Systolic Blood Pressure

4C. Pain Score (mild/moderate/severe)

4D. Temperature (^{0}C)

   (4 marks)

5. List four properties of normal distribution curve.

   (2 marks)

6. Define Crude Birth Rate with an example.

   (2 marks)

7. Correlation between college entrance exam grades and scholastic achievement was found to be 0.20. On the basis of this you would tell the university that:

7A. The entrance exam is a good predictor of success.

7B. The exam is a poor predictor of success.

7C. Students who do best on this exam will make the worst students.

7D. Students at this school are underachieving.

   (1 mark)

8. A nonparametric version of the parametric analysis of variance test is the

8A. Mann-Whitney-Wilcoxon test

8B. Wilcoxon signed-rank test

8C. Sign test

8D. Kruskal-Wallis Test

   (1 mark)

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