

MANIPAL UNIVERSITY

SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPTEMBER 2012

SUBJECT: MEDICAL SURGICAL NURSING – I (BSN 202)

Saturday, September 15, 2012

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

☞ Answer all the questions and give illustrations wherever necessary.

1. Choose the single best answer for each of the following:

1A. Third space refers to

- a) Extracellular space b) Intracellular space
c) Intra lobular space d) Transcellular space

1B. Most common symptom of pulmonary embolism is-

- a) Dyspnea b) Haemoptysis c) Pleuritic chest pain d) Syncope

1C. Which of the following is performed in Billroth I surgery as an intervention for peptic ulcer?

- a) Esophagojejunostomy b) Gastroduodenostomy
c) Gastrojejunostomy d) Subtotal gastrectomy

1D. The following is a symptom of Congestive Cardiac Failure

- a) Cyanotic spells b) Exertional breathlessness
c) Joint pain d) Phalangeal clubbing

1E. In stage III CRF, the GFR in ml/min/1.73m² is

- a) 60-89 b) 30-59 c) 15-29 d) 0-15

1F. Constriction of the foreskin around the head of the penis is known as

- a) Phimosis b) Priapism c) Paraphimosis d) Peyronies disease

1G. Large sized, non raised, circumscribed discoloration of the skin is called as

- a) Macule b) Papule c) Patch d) Pastule

1H. Concentric rings "bull's eye shaped skin lesion is termed as

- a) Annular b) Circinate c) Discoid d) Iris

1I. Abnormal lateral curvature of the spine is known as

- a) Kyphosis b) Lordosis c) Scoliosis d) None of the above

1J. Which of the following groups of viruses does HIV belong?

- a) Adeno virus b) DNA virus c) RNA virus d) Retrovirus

- 1K. Tuberculoid leprosy leads to deficiency of-
- a) Antibody b) B cell c) Phagocytes d) T cell
- 1L. Incubation period of cholera is
- a) 7- 8 days b) 5-7 days c) 3-5 days d) 1-2 days
- 1M. The following are the communicable diseases **EXCEPT**
- a) Cholera b) Malaria c) Marasmus d) Leptospirosis
- 1N. Undesirable side effect of morphine includes
- a) Constipation b) Dysphoria c) Nausea d) All the above
- 1O. Which among the following is an early complication of intubation?
- a) Cuff pressure trauma b) Pneumonia
c) Sinusitis d) Tube blockage

(1×15 = 15 marks)

2. Write short notes for the following:

- 2A. Stages of shock.
- 2B. Pathophysiological process of chronic sinusitis.
- 2C. Causes of gastritis.
- 2D. Nursing management of nephrotic syndrome.
- 2E. Clinical manifestations of hypothyroidism.
- 2F. Health education on prevention of Contact dermatitis.
- 2G. Pre-operative nursing interventions.

(5×7 = 35 marks)

3. Explain the following in relation to 12 lead ECG.

- 3A. Purposes of 12 lead ECG
- 3B. ECG changes in MI.

(6+6 = 12 marks)

4. Mr. Vishal, 30 years old, is admitted to orthopedic ward with RTA and diagnosed to have fracture of shaft of tibia. Considering the situation answer the following

- 4A. Describe the complications of fracture.
- 4B. Prepare a nursing care plan based on **TWO** prioritized health problems.

(6+7 = 13 marks)



MANIPAL UNIVERSITY**SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPTEMBER 2012****SUBJECT: COMMUNICATION AND EDUCATIONAL TECHNOLOGY (BSN 206)**

Tuesday, September 18, 2012

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

✍ Answer all the questions:**1. Choose single best answer for the following:**

- 1A. The component of educational program which is concerned with helping the student to adjust to the situation is called as
a) Consultation b) Counseling c) Discipline d) Guidance
- 1B. Medical model of health education includes
a) Information, education, communication, behavior and better health
b) Information, education, attitude, behavior and better health
c) Information, knowledge, attitude, behavior and better health
d) Information, communication, attitude, behavior and better health
- 1C. Voluntary movements and purposive act arising out of decisions taken by the individual is known as
a) Behavior b) Education c) Health education d) Information
- 1D. The process of judging the value of something by careful appraisal is referred to as
a) Assessment b) Behavior c) Evaluation d) Measurement
- 1E. Adjustment of individuals towards some person, group or institution is referred to as
a) Attitude b) Belongingness c) Decision d) Motivation
- 1F. A learning package which helps the learner to learn on their own pace is
a) Assignment b) Handout
c) Self instructional module d) Problem based learning
- 1G. Supernatural discipline is centered in
a) Culture b) God c) group d) Personality
- 1H. An example for an audio aid
a) Computer b) Television c) Tape recorder d) Video player
- 1I. The tool used to measure sociability or social distance among the members of a group is
a) Autobiography b) Dairy c) Sociometry d) Social observation

- 1J. In Johari window the person who is unaware of the information about himself but others are aware of that information is referred as
 a) Blind b) Closed c) Private d) Open
- 1K. A complex force that acts upon any group throughout its existence and cause to behave the way it does is referred as
 a) Group dynamics b) Group building
 c) Motivation d) Team work
- 1L. A three dimensional representation of an object is
 a) Model b) Moulage c) Mock up d) Specimen
- 1M. Voluntary movements and purposive acts arising out of decisions taken by the individual is known as
 a) Behavior b) Education c) Health education d) Information
- 1N. The process of interchange of information between two or more people is referred to as
 a) Communication b) Counseling
 c) Guidance d) Social behavior
- 1O. Ideal number of members in group health education is
 a) 10-14 b) 15-20 c) 21-25 d) 26-30

(1×15 = 15 marks)

- 2A. Describe the elements of communication process with suitable examples.
 2B. Explain the different skills of therapeutic communication.

(6+6 = 12 marks)

3. Explain lecture method under the following heading

- 3A. Types
 3B. Preparation required
 3C. Guidelines

(2+4+7 = 13 marks)

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

- 4A. Difference between guidance and counseling.
 4B. Aims of education (any five).
 4C. Purposes of nursing rounds.
 4D. Purposes of audio – visual aids (any ten).
 4E. Purposes of evaluation.
 4F. Phases of interpersonal relationship.
 4G. Principles of human relations.

(5×7 = 35 marks)



MANIPAL UNIVERSITY**SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPTEMBER 2012****SUBJECT: SOCIOLOGY (BSN 201)**

Monday, September 17, 2012

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

1. Select the Single Best response to each of the following:

- 1A. Sociology is considered as a science because
- Human relation cannot be studied in laboratory
 - It lacks exact and clear terminology
 - It discovers laws which can be generally applicable
 - It does not study subject matter
- 1B. Copying the acts or action of another is called as
- Culture
 - Imitation
 - Interaction
 - Communication
- 1C. Type of marriage which can cause heredity diseases among their children is called
- Consanguineous
 - Exogamy
 - Monogamy
 - None of the above
- 1D. A type of family where one woman marries many men
- Monogamy
 - Polygyny
 - Polyandrous
 - Endogamy
- 1E. A disadvantage of monogamy form of marriage is
- It causes quick marriage and quick divorce
 - It can cause extra marital relation
 - It creates jealousy among family members
 - Economic burden on head of family is increased
- 1F. Mobility occurring in personal term within life span of same person is called
- Inter-Generational Social Mobility
 - Structural Mobility
 - Intra Generational Mobility
 - Vertical Social Mobility
- 1G. Adapting to western style of living, language, dress pattern, and behavior pattern indicates
- Westernization
 - Modernization
 - Sanskritization
 - Democratic Decentralization
- 1H. Change at unequal rates of speed between correlated parts of culture resulting lag between two is called
- Evolution
 - Revolution
 - Cultural lag
 - Adaptation
- 1I. A society theory that focuses on tension and strain as a natural state within the social system
- Conflict Theory
 - Cyclical Theory
 - Linear Theory
 - None of the above

- 1J. Which of the following is not a characteristic of Social Organization?
 a) Goal b) Norms c) Unco-ordination d) States
- 1K. Select the educational organization from the following
 a) Public Schools b) Factory c) Temple d) None of the above
- 1L. It is an authoritative canon of value laid down by the force of politically organized society.
 a) Mores b) Laws c) Police d) Customs
- 1M. "Any child who receives non accidental, physical and psychological injury as a result of acts and omissions on the part of his parents or employers"
 a) Child Labour b) Child Abuse
 c) Juvenile Delinquency d) None of the above
- 1N. The main causes of Illiteracy is
 a) Sickness b) Poverty c) Slum Area d) None of the above
- 1O. Which Article declares Free and Compulsory Education for all children up to age of 14 years
 a) Article 45 b) Article 39 c) Article 25 d) Article 23
 (1×15 = 15 marks)

2. Describe the Social Disorganization under the following Headings

- 2A. What is Social Disorganization?
 2B. Write down the reason for Social Disorganization
 2C. Types of Social Disorganization

(2+8+3 = 13 marks)

3. Describe the Marriage under following Headings

- 3A. Define Marriage.
 3B. Types of Marriage.
 3C. Functions of Marriage.

(12 marks)

4. Write short answer to each of the following:

- 4A. Nature of Society.
 4B. Types of Social Group.
 4C. Malthusian Theory of Population.
 4D. Types of Social Mobility.
 4E. Urbanization its impact on health and health practices.
 4F. Major Urban Problems.
 4G. Elements of Social System.

(5×7 = 35 marks)



MANIPAL UNIVERSITY**SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPTEMBER 2012****SUBJECT: PHARMACOLOGY, PATHOLOGY AND GENETICS (BSN 204)**

Thursday, September 20, 2012

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

✂ Answer Section 'A' and Section 'B' in TWO separate answer books.

✂ Answer ALL the questions. Use illustrations wherever necessary.

SECTION 'A': PHARMACOLOGY: 38 MARKS**1. Choose the Single Best response for the following questions:**

- 1A. Which of the following route of drug administration has 100% bioavailability?
a) Intramuscular b) Intravenous c) Oral d) Rectal
- 1B. To make 5% normal saline, 5 grams of sodium chloride is dissolved in how much distilled water?
a) 1ml b) 10 ml c) 100 ml d) 1000 ml
- 1C. Which of the following penicillin cannot be given by oral route?
a) Penicillin V b) Procaine penicillin
c) Amoxicillin d) Bacampicillin
- 1D. The tetracycline safe in patients with renal failure is
a) Tetracycline b) Doxycycline
c) Oxytetracycline d) Minocycline
- 1E. All the following statements are true of ethanol **except** that it
a) Is an effective antiseptic b) Acts as cleansing agent at concentration of 40-90%
c) Is non irritant d) Is a poor disinfectant
- 1F. All the following are bronchodilators **except**
a) Sodium cromoglycate b) Salbutamol
c) Theophylline d) ipratropium bromide
- 1G. In diabetic ketoacidosis insulin is administered by which route?
a) Subcutaneous b) Intramuscular
c) Intravenous d) Intradermal
- 1H. All the following statements are true of nitroglycerine **except** that it
a) Can be given sublingually b) Is used in acute attack of angina
c) Causes hypertension d) Is available as transdermal patch

- 1I. The drug used in absence seizures or petitmal epilepsy is
- a) Diazepam b) Phenytoin
c) Carbamazepine d) Sodium valproate
- 1J. Which of the following drugs is effective and widely used in acne vulgaris?
- a) Tannic acid b) Monobenzone
c) Hydroquinone d) Benzoyl peroxide
- 1K. All the following diuretics cause hypokalemia **except**
- a) Furosemide b) Hydrochlorothiazide
c) Amiloride d) Chlorthalidone
- 1L. All the following statements are true of succinylcholine **except** that it
- a) Is a skeletal muscle relaxant
b) Has a long duration of action
c) Should not be mixed with thiopentone in same syringe
d) Causes hyperkalemia
- 1M. Dry cough is commonly seen with which of the following antihypertensive?
- a) Lisinopril b) Amlodipine
c) Atenolol d) Hydrochlorothiazide
- 1N. Which of the following antiemetics cause extrapyramidal symptoms?
- a) Ondansetron b) Domperidone c) Metoclopramide d) Hyoscine
- 1O. Which of the following vitamin is a coagulant?
- a) Vitamin A b) Vitamin D c) Vitamin E d) Vitamin K
(1×15 = 15 marks)

2. Answer the following:

- 2A. Name two antithyroid drugs. Which antithyroid drug is preferred in pregnancy and write the rationale for same.
- 2B. List four drugs used in preanaesthetic medication with explanation for same.
- 2C. List four drugs used in peptic ulcer. Explain the rationale of using drug combination in *Helicobacter pylori* infection.
- 2D. Mention two uses and two adverse effects of non steroidal anti-inflammatory drugs.
- 2E. Mention two advantages and two disadvantages of intravenous route.
- 2F. Enumerate four atropine substitutes.
- 2G. Name two parenteral iron preparations. Mention indications of parenteral iron.

(2×7 = 14 marks)

3. Answer the following:

- 3A. Mention four first line antitubercular drugs. Explain the mechanism of action and adverse effects of any one drug.
- 3B. Explain management of organophosphorus poisoning.
- 3C. Explain mechanism of action and uses of salbutamol. Mention two advantages of inhalational route?

(3×3 = 9 marks)

SECTION 'B': PATHOLOGY & GENETICS: 37 MARKS

4. Choose the single best answer for the following:

- 4A. The major carcinogenic factor for gastric carcinoma is
a) Helicobacter pylori b) Smoking
c) Spicy diet d) Previous gastric surgery
- 4B. Focal death of tissues along with degradation by hydrolytic enzymes is known as
a) Autolysis b) Apoptosis c) Gangrene d) Necrosis
- 4C. Normal hydrostatic pressure measured in mm of Hg at the venular end is
a) 32 b) 25 c) 18 d) 12
- 4D. Reduction in the number and size of parenchymal cells of an organ or its parts which was once normal is called
a) Atrophy b) Hypertrophy c) Hyperplasia d) Metaplasia
- 4E. One of the following type of hernia is a complication of wound healing
a) Epigastric b) Femoral c) Incisional d) Umbilical
- 4F. The normal value of serum potassium in meq/l is
a) 0.6 -1.6 b) 2.0 -3.2 c) 3.5 - 5.0 d) 6.0 - 7.6
- 4G. Supplementing the following intravenously at very fast rate may lead to cardiac arrest
a) Calcium b) Magnesium c) Potassium d) Sodium
- 4H. The cap color of the vacutainer for collecting blood for serum creatinine is
a) Black b) Lavender c) Pink d) Red
- 4I. The main component of constituting the internal environment of human body is
a) Electrolytes b) Protein c) Glucose d) Water
- 4J. The following blood group is known as universal donor
a) A+ b) B+ c) AB+ d) O+

MANIPAL UNIVERSITY**SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPTEMBER 2012****SUBJECT: COMMUNITY HEALTH NURSING – I (BSN 205)**

Friday, September 21, 2012

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

✍ **Answer all questions.****1. Choose the single best response for each of the following:**

1A. Social health is rooted in

- a) Positive material and human environment.
- b) Socio economic status of the family
- c) Psycho social aspects of the life
- d) Socio cultural aspects of life

1B. The process of enabling people to increase control over, and to improve health is known as

- a) Promotion of health
- b) Protection of health
- c) Restoration of health
- d) All the above.

1C. Dowry prohibition act was enacted in the year

- a) 1951
- b) 1961
- c) 1971
- d) 1981

1D. The temperature used in the Holder method of Pasteurization of milk is

- a) 63 – 66 C
- b) 66 – 69 C
- c) 69 – 72 C
- d) 72 – 75 C

1E. The bacteriological quality of Pasteurized milk is determined by

- a) Phosphate test
- b) Standard plate count
- c) Coliform count
- d) Methylene Blue Reduction test

1F. In a community an increase in new cases of a particular disease is due to

- a) Increase in incidence rate
- b) Increase in prevalence rate
- c) Increase in both incidence and prevalence
- d) None of the above

1G. The most effective tool for measuring incidence of a disease in a community is

- a) Case control study
- b) Cohort study
- c) Descriptive study
- d) Experimental study

1H. Which among the following statement is **not true** about measles

- a) Fever occurs within 7 – 10 days of infection
- b) Secondary attack rate is 30 – 40%
- c) Immunity develops after 7 days of vaccination
- d) Incubation period is 10 -14 days

II. DPT/DT vaccines should be stored in a refrigerator between a temperature of

- a) 0 – 4 C
- b) 5 – 8 C
- c) 9 – 12 C
- d) 13 – 16 C

- 1J. Commonest mode of HIV transmission in India is:
- Blood transmission
 - Unsafe injection practices
 - Heterosexual
 - Mother to child
- 1K. The type of personality which is more associated with the risk of getting Coronary Heart Disease is
- Type A
 - Type B
 - Type C
 - None of the above
- 1L. A concept that blood pressure in a population is distributed continuously as a bell-shaped curve with no real separation between normotension and hypertension is first formulated by
- Sir. George Peckering
 - Sir. Issac Newton
 - Sir. Joseph Bhome
 - Sir. Watson
- 1M. The number of live births per 1000 women in the reproductive age group in a given year is
- Birth rate
 - General marital fertility rate
 - General fertility rate
 - Gross reproductive rate
- 1N. Failure rate of contraceptive method is determined by:
- Sullivan's index
 - Number of accidental pregnancy
 - Pearl index
 - Half life
- 1O. Calendar method of family planning is also called as
- Abstinence
 - Rhythm method
 - Coitus interruptus
 - None of the above

(1×15 = 15 marks)

2. Describe Noise under the following headings:

- Effects of noise exposure
- Control of noise

(5+7 = 12 marks)

3. Discuss diarrhoeal disease under the following headings

- Etiology
- Control measures

(5+8 = 13 marks)

4. Write short notes on the following:

- Descriptive epidemiology.
- Rapid sand filters.
- Hypertension: "Rule of halves".
- Clinical features of chickenpox.
- Vital statistics.
- Depot formulations.
- Natural family planning methods.

(5×7 = 35 marks)

