

MANIPAL UNIVERSITY**SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – MAY 2010****SUBJECT: PHARMACOLOGY, PATHOLOGY AND GENETICS (BSN 204)**

Wednesday, May 12, 2010

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. Classify antithyroid drugs with examples. Add a note on radioactive iodine. (4+2 = 6 marks)
- 2A. List four drugs used as preanaesthetic medicaments. Explain the basis of use for any two.
2B. Comment on the combination of adrenaline with lignocaine. (2+2+2 = 6 marks)
3. **Write briefly on:**
3A. Drug synergism with examples.
3B. Inhalational steroids.
3C. Proton pump inhibitors. (3×3 = 9 marks)
4. Explain the pharmacological basis/mechanism for the following:
4A. Combining pyridoxine with isoniazid in tuberculosis.
4B. Nitroglycerine in acute attack of angina.
4C. Oxytocin in induction of labour. (2×3 = 6 marks)
5. Define the following terms with examples:
5A. Disinfectant
5B. Prodrug
5C. Superinfection (1×3 = 3 marks)
6. Name two drugs belonging to following groups:
6A. Topical antifungal agents
6B. Loop diuretics
6C. Antiretroviral agents (1×3 = 3 marks)

7. Multiple Choice Questions:

- 7A. The drug of choice in atropine poisoning is
- a) pilocarpine b) physostigmine
c) neostigmine d) bethanechol
- 7B. Which of the following is a cardioselective β blocker?
- a) atenolol b) propranolol
c) timolol d) pindolol
- 7C. All the following are advantages of oral route except
- a) convenient b) excellent bioavailability
c) noninvasive d) aseptic precautions not required
- 7D. Which of the following is an antiplatelet agent?
- a) aspirin b) heparin
c) streptokinase d) warfarin
- 7E. Which of the following is an antidote in morphine over dosage?
- a) naloxone b) pentazocine
c) buprenorphine d) nalorphine
- 7F. Insulin is not useful in
- a) type-1 diabetes mellitus b) diabetic ketoacidosis
c) nonketotic hyperosmolar coma d) diabetes insipidus
- 7G. The centrally acting skeletal muscle relaxant is
- a) succinylcholine b) pancuronium
c) diazepam d) dantrolene
- 7H. The drug that acts by stabilizing mast cells is
- a) salbutamol b) sodium chromoglycate
c) theophylline d) terbutaline
- 7I. Which of the following is a broad spectrum antibiotic?
- a) penicillin G b) tetracycline
c) streptomycin d) erythromycin
- 7J. Which of the following is not used in hypertensive emergency?
- a) sodium nitroprusside b) glyceryl trinitrate
c) enalapril d) esmolol

($\frac{1}{2} \times 10 = 5$ marks)

SECTION 'B': PATHOLOGY & GENETICS: 37 MARKS

8. Multiple Choice Questions:

8A. Besides nucleus, the only other place in the cell having DNA is

- a) Endoplasmic reticulum b) Golgi apparatus
c) Mitochondria d) Ribosome

8B. Immune system in the body is activated by:

- a) Cell adhesion molecules b) Cytokines
c) G-protein receptors d) Ion channels

8C. Disintegration of the cell by its own hydrolytic enzymes liberated from lysosomes is referred to as

- a) Autolysis b) Apoptosis
c) Gangrene d) Necrosis

8D. The term eugenics was coined by:

- a) Darwin b) Mendel
c) Francis Galton d) H.G. Khorana

8E. Chromosomal imbalance is most frequent during one of the following stages of human development. Identify.

- a) Adult b) Childhood
c) Embryonic d) Fetal

(1×5 = 5 marks)

9. Write short notes on:

9A. Explain the reasons for spontaneous abortion.

9B. What is genetic counseling? Write three indications for genetic counseling.

9C. Morphology of pathologic phases in Lobar Pneumonia.

9D. Pathogenesis of Gastric carcinoma.

(5×4 = 20 marks)

10A. Define peptic ulcer.

10B. Write the Gross features of peptic ulcer.

10C. Discuss the pathogenesis of peptic ulcer.

(2+4+6 = 12 marks)



MANIPAL UNIVERSITY**SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – MAY 2010****SUBJECT: COMMUNITY HEALTH NURSING – I (BSN 205)**

Thursday, May 13, 2010

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

☞ Choose the SINGLE BEST answer for the following:

1A. Social dimension deals about

- i) Material environment
- ii) Psychosocial environment
- iii) Physical environment
- iv) Biological environment

1B. WHO gave the definition of health in the year?

- i) 1945
- ii) 1946
- iii) 1947
- iv) 1948

1C. The food additives safe for practice are all except

- i) Citric acid
- ii) Nitric acid
- iii) Sorbic acid
- iv) Acetic acid

1D. Candela is a measure of

- i) Brightness
- ii) Illuminance
- iii) Luminous intensity
- iv) Luminous flux

1E. An example of class insecta is

- i) Mites
- ii) Cyclops
- iii) Ticks
- iv) Fleas

1F. The measure of all disease cases at a point in time is

- i) Point prevalence
- ii) Period prevalence
- iii) Incidence
- iv) Mortality

1G. The first person identified by health personnel as diseased by a particular disease in the community is

- i) Index case
- ii) Primary case
- iii) Secondary case
- iv) None of the above

1H. The Indian classification of leprosy, classifies leprosy into how many types

- i) 2
- ii) 3
- iii) 4
- iv) 5

II. In DOTS therapy the suffix (S2, H2) means that the drug is given

- i) Daily
- ii) Twice a week
- iii) Twice a day
- iv) Weekly

- 1J. If mother is infected with rubella in the second trimester child may get
- Deafness
 - Cataract
 - Multiple defects
 - Patent ductus arteriosus
- 1K. The amount of elemental iron in one iron tablet for mothers is
- 60mg
 - 60 μ g
 - 50mg
 - 50 μ g
- 1L. Apoplexy is the synonym for the disease
- Cancer
 - Hypertension
 - Obesity
 - Stroke
- 1M. The index for finding the effectiveness of contraception is
- Pearl
 - Broca
 - Ponderal
 - Lorentz
- 1N. Physical method of contraception are all except
- Condom
 - Diaphragm
 - Vaginal sponge
 - Suppositories
- 1O. The method contraindicated in feeding mothers is
- Copper-T
 - Diaphragm
 - Oral pills
 - Tubectomy

(1×15 = 15 marks)

✍ **Essay Questions:**

2. Discuss Malaria under the following headings:

- Epidemiological triad.
- Methods of control and prevention.
- Role of nurse in control and prevention.

(3+5+5 = 13 marks)

3. Explain any two methods of waste disposal.

(6×2 = 12 marks)

✍ **Write short notes on the following:**

- Customs and taboos as determinant of health.
- Airborne diseases.
- Zoonoses.
- Cancer registries.
- Concept and scope of demography.
- Cultural impact of population explosion.
- Emergency contraception.

(5×7 = 35 marks)



MANIPAL UNIVERSITY**SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – MAY 2010****SUBJECT: SOCIOLOGY (BSN 201)**

Friday, May 14, 2010

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

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

1A. The main cause of family disorganization is

- i) Employment of women ii) Alcoholism
iii) Personality conflicts iv) Lack of unity among partners

1B. An agrarian society in India is highlighted by

- i) Village community ii) Tribal community
iii) Urban community iv) both i) and ii)

1C. The types of conflict as termed by German sociologist, Georg Simmel are the following, **EXCEPT**

- i) War ii) Litigation
iii) Conflict of personal ideals iv) Feud

1D. Families headed by females are more common in the present day world because of

- i) Women's education ii) Women's employment
iii) Matrilineal system iv) Divorces

1E. Application of knowledge of sociology helps a nurse to

- i) Render holistic care in a comprehensive manner
ii) Know the social life of patients
iii) Maintain cordial relationship with different personnel in health team
iv) All the above

1F. The pattern of behavior expected of an individual in a certain group or situation is referred as

- i) Social role ii) Status
iii) Social system iv) Institution

1G. An example for family disorganization is

- i) Crime ii) Divorce
iii) Poverty iv) Unemployment

1H. The tribe as a group is closest to

- i) A class ii) An association
iii) A caste iv) A community

11. the foundation of Indian culture is
- i) English press
 - ii) English language
 - iii) English literature
 - iv) Spiritualism

- 1J. Social relationships are concerned with the
- i) Relationship between the passengers traveling by the same train
 - ii) Relationship that exists between the pen and ink
 - iii) Mutual interactions of the individuals
 - iv) Sense of comradeship

(1×10 = 10 marks)

2. Explain the forms of marriage and advantages of each form.

(11 marks)

3A. Define juvenile delinquency.

3B. Explain the causes of juvenile delinquency.

3C. Describe the measures taken to control and prevent juvenile delinquency.

(2+4+6 = 12 marks)

4A. What do you mean by society?

4B. Explain 'society as a web of social relationships'.

(2+10 = 12 marks)

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

5A. Problems of population explosion.

5B. Differentiate between competition and conflict.

5C. Application of sociology in nursing.

5D. Elements of social system.

5E. Differentiate between urban and village community.

5F. Difference between custom and law.

(5×6 = 30 marks)



MANIPAL UNIVERSITY

SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – MAY 2010

SUBJECT: COMMUNICATION AND EDUCATIONAL TECHNOLOGY (BSN 206)

Saturday, May 15, 2010

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

- 1A. List the purposes of demonstration method.
1B. Explain the technique of demonstration.
1C. Write the advantages and disadvantages of demonstration. (3+3+7 = 13 marks)
2. Describe the elements of communication process. (12 marks)
3. **Write short notes on the following:**
- 3A. Types of interpersonal relationship.
3B. Symposium.
3C. Needs of guidance and counseling in nursing.
3D. Characteristics of learning.
3E. Records and reports.
3F. Chalk board.
3G. Maxims of teaching. (5×7 = 35 marks)
4. **Choose the right answer from the following:**
- 4A. In Johari window, a person is aware of his problems, but others are unaware of it is referred as
i) Blind ii) Closed
iii) Open iv) Private
- 4B. A series of speeches on a selected topic without discussion among the speakers
i) panel discussion ii) seminar
iii) simulation iv) symposium
- 4C. Transition back to normal role and activities in work and social life is seen in which phase of crisis response
i) Impact ii) Aftermath
iii) Recovery iv) None of the above
- 4D. Client centered counseling is otherwise called as
i) Short term counseling ii) Elective counseling
iii) Nondirective counseling iv) Directive counseling

- 4E. Directive counseling is otherwise called as
- Counselor centered counseling
 - Client centered counseling
 - Elective counseling
 - None of the above
- 4F. An example for formal agency of education is
- church
 - club
 - home
 - school
- 4G. Is a learning package which helps the learner to learn on their own pace
- self instructional module
 - assignment
 - handout
 - teaching module
- 4H. Series of meetings with emphasis on individual work with in the group with the help of consultant and resource person is referred as
- individual conference
 - microteaching
 - process recording
 - workshop
- 4I. The method of group discussion, which involves problem-solving approach is
- simulation
 - seminar
 - panel discussion
 - symposium
- 4J. 'socio drama' is the other name given for
- demonstration method
 - role play
 - symposium
 - field trip
- 4K. A large piece of paper which hangs from a wall or other surface which convey the messages are
- charts
 - flash cards
 - graphs
 - posters
- 4L. A real life situation given to the students in the form of an exercise as if they are experiencing it in their real life is referred as
- simulation
 - workshop
 - panel discussion
 - symposium
- 4M. Which of the following elements of communication is a medium of communication?
- receiver
 - channel
 - feedback
 - message
- 4N. The medical model of health education includes
- information, education , communication, behavior and better health
 - information, health education, attitude, behavior, and better health
 - information, knowledge, attitude, behavior and better health
 - information, communication, knowledge, attitude and better health
- 4O. The degree to which the tool measure what it is intended to measure is called as
- objectivity
 - practicability
 - reliability
 - validity

(1×15 = 15 marks)



MANIPAL UNIVERSITY**SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – MAY 2010****SUBJECT: MEDICAL SURGICAL NURSING – I (BSN 202)**

Monday, May 17, 2010

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

Answer ALL the questions and give illustrations wherever necessary.**I. Choose the Single Best Answer for each of the following:**

- 1A. Prolonged QT, flat T wave, prominent U wave are the features of
a) Digitalis therapy b) Hyperkalemia
c) Hypokalemia d) Hypocalcemia
- 1B. Hemoptysis may occur in all of the following conditions **EXCEPT**
a) Mitral stenosis b) Pulmonary embolism
c) Pulmonary stenosis d) Pulmonary tuberculosis
- 1C. Which of the following is **NOT** a type of chronic gastritis?
a) Atrophic gastritis b) Deep gastritis
c) Hypertrophic gastritis d) Superficial gastritis
- 1D. The ventricular depolarization is depicted on ECG in the form of
a) P wave b) QRS complex
c) T wave d) U wave
- 1E. Normal GFR in terms of ml/minute
a) 85-90 b) 120-125
c) 145-150 d) 175-180
- 1F. Edema of the retracted uncircumcised foreskin is known as
a) Priapism b) Phimosis
c) Paraphimosis d) Peyronies disease
- 1G. Collection of dried serum and cellular debris is termed as
a) Crust b) Erosion
c) Scale d) Ulcer
- 1H. An area of thickened epidermis induced by scratching with deepened and coarsened skin line is known as
a) Atrophy b) Excoriation
c) Fissure d) Lichenification
- 1I. Stretching injury to a muscle tendon caused by mechanical overloading is known as
a) Contusion b) Dislocation
c) Sprain d) Strain
- 1J. The type of immune mechanism that provides a general defense by acting against foreign body is termed as
a) Active immunity b) Nonspecific immunity
c) Specific immunity d) Passive immunity

- 1K. Protein calorie malnutrition leads to abnormalities of which of the following cells?
- a) B cells b) Phagocytes
c) T cells d) All the above
- 1L. Following are the vaccines used in Rabies **EXCEPT**
- a) Nervous tissue vaccines b) Duck embryo vaccines
c) Cell culture vaccine d) Passive-active vaccine
- 1M. Schick test is done to detect
- a) Diphtheria b) Tetanus
c) Typhoid d) Whooping cough
- 1N. Which among the following method is used for sterilizing disposable endo-tracheal tube
- a) Dry heat b) Formaldehyde
c) Ethylene oxide d) Phenol
- 1O. Which among the following is a side effect of morphine?
- a) Constipation b) Dysphoria
c) Nausea d) All the above

(1×15 = 15 marks)

2. Write short notes for the following:

- 2A. Physiological changes of ageing.
2B. Causes of gastritis.
2C. Management of a patient with intercostal drainage.
2D. Causes of Chronic Renal Failure.
2E. Health teaching aspects of diabetes care.
2F. Medical management of Eczema.
2G. Members of peri-operative nursing team.

(5×7 = 35 marks)

3. Answer the following in relation to Corpulmonale:

- 3A. List the etiological factors.
3B. Explain the pathophysiological changes.
3C. Enumerate the clinical manifestations.

(4+4+4 = 12 marks)

4. Mrs. Vasanthi, 60 years old is admitted to the orthopedic ward with complains of swelling and pain over the knee joint since many years and now since last ten days she was not able to tolerate the pain and cannot move herself from bed. Considering the situation answer the following:

- 4A. Explain the causes of osteoarthritis.
4B. Plan nursing care based on two prioritized health problems.

(6+7 = 13 marks)

