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B.Sc.(N) [1st Year]

BF/2010/12

English

[New Scheme w.e.f. 2006]

M.M. : 75

Time : 3 Hours.

Note : Attempt all questions.

1. **Write an essay in about 300 words on any ONE of the following:** [15]
 - a. Environmental Hygiene.
 - b. Importance of water in our life.
 - c. Uses and Abuses of Games.
 - d. My idea of happy world.

2. **Write an application to the Controller of Examinations of your University for postponing of your Examinations, give reasons.** [10]

3. **What are the various points which a nurse should keep in her mind while writing a nurses note ?** [10]

4. **Correct the following sentences :** [5]
 - a. Hard work is always leading to success.
 - b. I am much interested to listen to western music.
 - c. My mother is a lovable person.
 - d. The Police has been investigating the matter for some time.
 - e. I am feeling terribly cold in this room.

5. **Make a précis of the following passage and suggest a heading:** [10]

Sorrow and suffering are a part of life. We must not grudge them. The existence of sorrows and suffering should not make us defected. We must do our duty. The world is like a looking - glass that reflects our inner self. We must always look at the bright side of the picture. There are some sweet natural persons who radiate delight wherever they go. We must always greet everybody with a pleasant smile. If life has numerous blessings sorrows or anxieties are unavoidable. We can make our life a comedy or a tragedy. It all depends upon our thinking. But no evil can occur to noble man in life or death.

6. **Fill in the blanks with correct Preposition:** [5]
 - a. The crowd prevented the police _____ moving ahead.
 - b. Tom does nothing _____ watch T.V. all the time.
 - c. He is fond _____ tea.
 - d. There is an animal _____ the field.
 - e. He jumped _____ the river.

7. **Substitute One word for each of the following :** [5]
 - a. Process of damaging the air.
 - b. Inflation of intestives.
 - c. Who studies and writes about history.
 - d. Of cancerous growth.
 - e. Study of mind and mental process.

8. Give the Antonyms of the following: [5]
- a. Permanent
 - b. Success
 - c. Long
 - d. Ugly
 - e. Illiterate.
9. Use the following Idioms/phrases in sentences: [5]
- a. Get through.
 - b. Took to his heels.
 - c. Out of the way.
 - d. Stood his ground.
 - e. Above all.
10. Translate the following into Phonetic symbols: [5]
- a. More
 - b. Antibody
 - c. Eggs
 - d. Desert
 - e. Produce

B.Sc Nursing 1st year
Microbiology

Time: 3 hours

Max Marks:75

Note: Attempt all Questions.

- Q.1 a) Define antibiotic
- b) Write down different classification of antibiotics available with appropriate examples?
- c) Write the mechanism of action of penicillin. (1+8+6=15)

Or

- Q.1 a) Define vaccine & vaccination.
- b) Enumerate various vaccines available to prevent 6 killers diseases.
- c) Chalk out immunization schedule upto 5 years of age. (2+6+7=15)

- Q.2 a) Define the following terms:
 - i) Infection
 - ii) Disinfection
 - iii) Sterilization
 - iv) Bio-medical waste management
- b) How bio-medical waste is managed in your hospital?
- c) Write about standard safety measures to be followed by a nurse in clinical area? (4+6+5=15)

- Q.3 a) Define Bacteria
- b) Write down the Classification of bacteria.
- c) Describe the growth curve of bacteria. (1+6+3=10)

- Q.4 a) Define hypersensitivity reaction.
- b) Discusses in brief types of hypersensitivity reaction.
- c) Describe hypersensitivity skin test. (2+4+4=10)

- Q.5 Write short notes on any Five of the following:
 - a) Various culture media.
 - b) Autoclaving
 - c) Handling and Transportation of various specimens.
 - d) Gram Staining
 - e) Principles of Microbiology
 - f) Transmission of Hepatitis B Virus
 - g) Antigen Antibody Reaction. (5*5=25)

B.Sc Nursing 1st Year Nutrition & Biochemistry

Max.Marks 75

Total Time:3:00 hours

Use separate answer sheet for each section

Section -A (NUTRITION)

(45 Marks)

- Q1 (a) Define nutrients.
 (b) Enlist macro and micro elements of nutrients.
 (c) Describe in brief factors affecting food and nutrition.
 (1+3+6=10)
- Q2. (a) Protein energy malnutrition and its nutritional management.
 (b) Differentiate between kwashiorkor and marasmus.
 (5+5=10)
- Q3 (a) What are the major nutritional problems of developing countries and the possible causes for them?
 (b) Suggest some preventive measures for the nutritional problems.
 (5+5=10)
- Q4. Write short notes on ANY THREE the following
 (a) Nutrition education
 (b) Balanced diet
 (c) Principles of weaning
 (d) Nutritional programs
 (3*5=15)

Section B (Biochemistry)

Note: Attempt all questions.

(30 Mark)

- Q1.(a) Differentiate between prokaryotes and eukaryote cells.
 (b) Draw a labeled diagram of eukaryote cell.
 Or
 (a) Define enzymes and functions of enzymes.
 (b) Describe the mechanism of enzyme inhibition.
 (5+5=10)
- Q2.(a) Define ELISA?
 (b) What are the applications of ELISA?
 (1+4=5)
- Q3. Write short notes on ANY FIVE of the following:
 (a) Immunoglobins
 (b) Free radicals and antioxidants
 (c) Glycolysis
 (d) Fluid mosaic model
 (e) Urea cycle
 (f) Storage and transport of iron
 (g) Lipoproteins & their function
 (5*3=15)

(5*3=15)

First year B.Sc. (Nursing - Basic)
ANATOMY & PHYSIOLOGY

Time: Three Hours

Section-A (ANATOMY)

Max. Marks: 75

(Marks 37)

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

Attempt all questions

Note ; use separate answer sheet for each sections

- Q.1. a) Differentiate between endocrine & exocrine glands. 3+3+4= 10
 b) Enumerate various endocrine gland
 c) Describe in detail pituitary gland / master gland
 Or
 a) Enlist the major organs of digestive system. 3+7=10
 b) Discuss in brief gross features of stomach & liver
- Q.2. a) Define joints 2+3+5 = 10
 b) Discuss in brief the classification of various joints
 c) Discuss the structure of hip joint
- Q.3. Describe in brief on **any two** of the following 2.5+2.5 = 5
 a) Structure of the breast
 b) Structure of the kidney
 c) Deltoid muscle
- Q.4 Write short notes on any four of the following 4X3=12
 a) Structure of urinary bladder
 b) Labeled diagram of eye
 c) Diagram
 d) Ventricles of the brain
 e) Coronary arteries
 f) Ribs

Section-B (Physiology)

Marks: 38
1+3+6=10

- Q.1. a) Describe blood
 b) Describe the composition of blood
 c) Discuss in details different types of blood groups & mechanism of blood coagulation
 Or
 a) Enumerate the functions of CSF 2+4+4=10
 b) Describe composition & circulation of CSF
 c) Discuss nerve stimulus reflex action reflexes
- Q.2. a) Define respiration 2+4+4=10
 b) Describe the mechanism of respiration
 c) Describe the gaseous exchange in lungs & tissues
- Q.3. Describe in brief any two of the following- 3X2=6
 a) Physiology of Muscle Contraction
 b) Functions of Skin
 c) Composition of urine
- Q.4. Write notes on **any six** of the following 4x3=12
 a) Myopia or short-sightedness.
 b) Menstrual cycle.
 c) Referred pain
 d) Regulation of body temperature
 e) Mechanism of urine formation
 f) Hemoglobin synthesis & breakdown

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B.Sc (N) [1st Year]
Nursing Foundation
[New Scheme w.e.f.[2006]

M.M: 75

Time: 3 Hours.

Note: Attempt all questions.

1. Rashmi 25 year old is admitted in emergency ward with history of Asthmatic attack. Doctor has ordered the following.
- Oxygen inhalation.
 - Tab Deriphyllin TDS.
 - Vital Sign Chest.

Answer the following: -

- Points to be kept in mind while giving Oxygen inhalation.
- What are Vital Signs? Why is it important to monitor vital signs?
- What does TDS abbreviation mean? (6+5+4=15)

Or

- Discuss steps of history taking of patient who is recently admitted in medical ward.
- What routine examination test you will perform on this newly admitted patient. (7 $\frac{1}{2}$ +7 $\frac{1}{2}$ =15)

2.
 - Explain causes and nursing care of pressure points.
 - Describe maintaining of standard safety precautions (universal).
 - Write down the procedure of Back care. (5+5+5=15)

3.
 - Explain the wound healing process.
 - Describe the Care of patient with altered consciousness. (5+5=10)

4. **Describe the nurse's responsibilities in the following.**

- While doing back care of the bed ridden patient.
- While doing care of the dying patient. (5+5=10)

5. Write short notes on any **FIVE** of the following:

- Embalming
- Health belief model
- Biomedical waste management
- Euthanasia
- Basic life support
- factors influencing pain
- Complication of dirty Mouth. (5*5=25)

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BSc Nursing 2nd year

Pharmacology, Pathology, Genetics

Time: 3 hours

Max marks 75

Note: use separate answer sheet for each section

Section-A (PHARMACOLOGY)

marks 38

- Q.1. a) define sedative & hypnotics 2+3+5=10
b) Write the Classification of sedatives & hypnotics
c) Describe mechanism of action therapeutic uses & adverse effects of phenobarbitone

Or

- a. Define diuretics 1+3+6=10
b. Write the classification of diuretics
c. Describe mechanism of action therapeutic uses & adverse effects of frusemide (2asix)
- Q.2. a) Name the common drugs used for tuberculosis treatment (ATT) 2+5+3=10
b) Mechanism of action, doses, and route, adverse effect of Rifampicin
c) Write down the points to be remembered before administration of DOTS therapy.
- Q.3. write short notes on **any Six** of the following 6X3=18

- a) Penicillin
- b) Anti-cancer drug
- c) Bronchodilators
- d) Anti-cholinergic
- e) Antidotes
- f) Vaccines & sera
- g) Amino suppressants
- h) Drugs used in CPR & emergency

Section-B
PATHOLOGY

(25 marks)

- Q.1. a) Differentiate between benign & malignant tumor 3+3+4=10
b) Differentiate between biopsy & FNAC
c) Describe the histo-pathological changes in Hodgkin's lymphoma.
- Q.2. Write explanatory notes on any 5 of the following 5X3=15
- a) Pulmonary tuberculosis
 - b) Rheumatic heart Disease
 - c) Benign prostate hypertrophy
 - d) Osteoporosis
 - e) Pyelonephritis
 - f) Wound healing
 - g) Liver cirrhosis

Genetics

(12 marks)

- Q1. Write short notes on **any four** of the following 4x3=12
- a) Mendalian theory of inheritance
 - b) Neural tube defects
 - c) Effects of maternal drug therapy in the development of genetic disorders in the fetus
 - d) Role of nurse in genetic counseling
 - e) Genetic testing for congenital abnormalities
 - f) Inborn errors of metabolism

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B.Sc (N) [2nd Year]
Medical Surgical Nursing
[New Scheme w.e.f.[2006]

M.M: 75

Time: 3 Hours.

Note: Attempt all questions. All questions carry equal marks:-

1 Rohan is admitted to surgery ward with a diagnosis of Renal calculi:-

- a. Write down the symptoms of Renal Calculi..
- b. Discuss the etiology of calculi formation.
- c. Write down the Post-Operative Nursing care of Rohan.

Or

(3+5+7=15)

- a. Write down the causes & predisposing factors of peptic ulcer.
- b. Explain the complication of peptic ulcer.
- c. Discuss the management of peptic ulcer

(2+3+10=15)

- 2
- a. List down the clinical manifestations of Myocardial Infraction.
 - b. Discuss the immediate medical/drug management of patient of MI.
 - c. Write the nursing management of patient with MI.

(3+5+7=15)

- 3.
- a. Write down care of patient with Chronic Renal Failure.
 - b. Discuss DOTS Therapy in Tuberculosis.

(5+5=10)

4. Remesh is diagnosed as Rheumatoid Arthritis. Answer the following questions.

- a. Discuss the etiology of Rheumatoid Arthritis.
- b. Briefly explain the pathophysiology of the disease.
- c. Discuss the nursing management of Ramesh.

(2+3+5=10)

5. Write short notes on any **FIVE** of the following:

- a. Prevention of Dengue fever.
- b. Rehabilitation of AIDS patient.
- c. Care of patient with pott's spine.
- d. Infection control in operation theatre.
- e. Hepatitis control & prevention.
- f. Pneumonia.
- g. Pyothorax.

(5*5=25)

(9)

B.Sc (N) [3rd Year]
Child Health Nursing

M.M: 75

Time: 3 Hours.

Note: Attempt all questions.

1. Select any one of the following conditions:-

- i. Leukemia.
- ii. Juvenile diabetes
- a. List the causes.
- b. Write the sign and symptoms.
- c. Discuss the Nursing Management. (3+4+8=15)

Or

- a. Define Hydrocephalus.
- b. What are the classifications and causes of Hydrocephalus?
- c. Discuss the Post-Operative management of a child with Ventriculo-Peritoneal Shunt. (2+4+7=15)

2. Neetu six month old child is admitted to hospital with Pneumonia.

- a. Define Pneumonia.
- b. List sign and symptoms of Pneumonia in children.
- c. List down the Nursing diagnosis, objectives and plan nursing Intervention for Neetu (2+3+10=15)

- 3.
- a. What are the purposes of maintaining growth chart?
 - b. List the expected growth parameters of two year old child.
 - c. Criteria for judging the suitability of the toys for children.
 - d. Enumerate the play material for nine month old child.
 - e. Obesity in Adolescent. (2*5=10)

- 4.
- a. Sonu five year old child admitted in Paediatric ward sever dehydration.
 - b. Plan health teaching for prevention of diarrhoea among the children.

(5+5=10)

5. Write short notes on any **FIVE** of the following:

- a. Management of diarrhoea in children.
- b. Care following circumcision.
- c. Injury prevention in Toddler hood.
- d. Assessment guidelines for the child with a respiratory condition.
- e. Prevention of malnutrition amongst children
- f. Why are premature neonates susceptible to infection?
- g. Enlist the reasons of behavioural problems in children.

(5*5=25)

B.Sc Nursing 4th Year

Nursing Research & Statistics

Time: 3 hours

Max Marks: 75

Note: Attempt all Questions. Use of calculators or any electronic device is not allowed.

(Nursing Research)

(50)

Q.1 Define the following Terms:

- a) Research Hypothesis
- b) Reseach Population
- c) Research Variable
- d) Quantitative Research
- e) Sample and sampling

(2*5= 10)

Q.2 Differentiate the following:

- a) Probability and Non Probability sampling
- b) Experimental and Non Experimental research.
- c) Dependent and Independent variables.
- d) Validity and Reliability of a research tool.
- e) Self Report and observation method.

(3*5=15)

Q.3

- a) Define Research & Nursing Research
- b) Discuss in brief Need & significance of Nursing Research.
- c) Describe in brief steps of research process.

(2+6+7=15)

Q.4 Write short notes on any five of the following.

- a) Pilot Study
- b) Sources of literatures Review
- c) Characteristics of a good research
- d) Communication of research finding
- e) Historical survey
- f) Methods of data collection

(2*5=10)

(Statistics)

(25)

Q.1 Define the following terms.

- a) Statistics
- b) Data & Datum
- c) Standard Deviation
- d) Normal distribution
- e) Measures of variability

(2*5=10)

Q.2 Describe Frequency distribution and Graphical presentation of data.

(10)

Q.3 Calculate Arithmetic mean of the following data.

23,22,20,24,16,17,18,19,21

(5)

(11)

**B.Sc (N) [Post Basic 1st year]
Medical Surgical Nursing
[New scheme w.e.f.[2007 admission]**

M.M:75

Time: 3 Hrs.

Note: Attempt all questions.

1. Mr.Suraj a 40 year old male is admitted in the hospital emergency with complaints of Abdominal distension, Vomiting and not passing stools.
 - a. What is possible Diagnosis and Conservative management?
 - b. What Pre-operative preparation you will do for Laprotomy.
 - c. Outline the nursing Management in the post operative period.

Or (5+5+5=15)

 - a. write down the etiological factors and pathophysiology of pneumonia.
 - b. Discuss the management of pneumonia.

(7 $\frac{1}{2}$ +7 $\frac{1}{2}$ =15)
2.
 - a. Write the sign and symptoms of Diabetes Mellitus.
 - b. Explain the Pathophysiology of this disease.
 - c. Describe the nursing management with special emphasis on insulin and dietary management.

(4+4+7=15)
3.
 - a. Describe the Pathophysiology of Congestive cardiac Failure.
 - b. Explain the Nursing Management of patient experiencing cardiac Arrhythmias.

(5+5=10)
4.
 - a. Describe the Pre & disposing factors for Peptic Ulcer & signs and symptoms of it.
 - b. Discuss the management of Peptic Ulcer.

(5+5=10)
5. **Write short notes on any FIVE of the following:-**
 - a. Epilepsy.
 - b. Chemotherapy.
 - c. Pleural Effusion.
 - d. Menstrual cycle.
 - e. Nursing Management of HIV patients
 - f. Prevention of Anemia
 - g. Epistaxis

(5*5=25)

B.Sc. (N)[Post Basic (1st yr)]

Microbiology

M.M.: 75

Time: 3 Hours.

NOTE: ATTEMPT ALL QUESTIONS

Question.1-A: Give one word answer of the following:

[1X10=10]

1. Vector for transmission of Malaria is _____.
2. Syphilis is caused by _____.
3. Negri bodies are found in the cells infected with _____ virus.
4. Anaphylactic reactions are mediated by _____ class of Immunoglobins.
5. Albert's stain is used for the detection of _____.
6. Organ of motility in bacteria are known as _____.
7. Causative agent of bacillary dysentery is _____.
8. Virus implicated in causation of cervical cancer is _____.
9. Best method of skin disinfection is _____.
10. Glass vessels are best sterilized by _____.

Question.1-B: Pick up the most appropriate answer.

[1X5=5]

1. Oral thrush is caused by: -
 - a. Candida albicans
 - b. Melessia furfur
 - c. HIV virus
 - d. Herpes simplex virus
2. In montoux test, the development of an area of palpable, firm induration equal to or more than _____ diameter is recorded as positive in HIV positive patient
 - a. 2mm
 - b. 5mm
 - c. 10mm
 - d. 15mm
3. Which of the following are spore forming bacteria?
 - a. E. coli
 - b. T. pallidum
 - c. Cl. Tetani
 - d. V. cholera
4. The resolution power of naked eye is:
 - a. 0.2mm
 - b. 0.02mm
 - c. 0.002mm
 - d. 2.0mm

5. Gluteraldehyde is:-
- a. Virucidal
 - b. Sporicidal
 - c. Fungicidal
 - d. All of the above

Question2:

- a) Define HIV / AIDS.
- b) Routes of transmission
- c) Laboratory diagnosis
- d) Discuss in brief prevention of HIV / AIDS

[2+3+4+6=15]

Question3: a) Define the following terms

I. Autoclaving

II. Disinfection.

- b) Describe the different methods of autoclaving

[2+8=10]

Question4: a) Define Immunity,

- b) Enumerate type of immunity

- c) Discuss in brief about different vaccines.

[1+3+6=10]

Question5: Write short note on any Five of the following.

[5X5=25]

- a. Koch's Postulate
- b. Bio-Medical Waste management
- c. Mechanism of action of antibiotics
- d. Acid fast staining
- e. Morphology & types of bacteria
- f. Hypersensitivity
- g. ELISA

B.Sc. (N)[Post Basic (1st yr)]

Biochemistry & Biophysics

M.M.: 75

Time: 3 Hours.

NOTE: ATTEMPT ALL QUESTIONS

Biochemistry (Section -A)

38Marks

Question1:

- a) Define fats
- b) Differentiate between saturated & unsaturated fats
- c) Enumerate the various tests done in lipid profile and their normal values. [1+3+6=10]

Or

- a) Define Amino acids,
- b) Enumerate types of Amino acids
- c) Describe the functions of proteins. [1+3+6=10]

Question2: define the following terms

[1X6=6]

- a) Metabolic acidosis
- b) Hypoglycemia
- c) Glycogenolysis
- d) Ketoacidosis
- e) Hyperlipedemia
- f) Urine Specific Gravity

Question3 Write short note on any four of the following

[4X3=12]

- a. Gout
- b. Absorption of fats
- c. Urea cycle
- d. Glucose tolerance tests
- e. Fluid & electrolyte balance

Section -B

Biophysics

Maximum Marks: 37

Question I:

- a. Differentiate between short sightedness and long sightedness.
- b. How can these problems to be corrected? Which group of people is likely to suffer from each eyesight problem?
- c. How does color vision work and how many colors we can see? (3+4+3=10)

OR

- a. Write down the indications of X-rays in medicine.
- b. Precautions used by nurse while handling the patients undergoing the X-ray?
- c. What is the ionizing radiation and how does it damage living organisms (3+4+3=10)

Question II: define the following terms

1X5=5

- a) Pulley
- b) Gravitational forces
- c) Hydrostatic pressure
- d) Energy
- e) Body mechanics

Question III: write short notes any four of the following

(4*3=12)

- a. Irradiation by light in case of neonatal jaundice.
- b. Role of proper body mechanics in nursing.
- c. Hearing aid in the transmission of sound in the air.
- d. Role of electronic equipment used in patients care.
- e. Use of radioisotopes in radiotherapy.
- f. Pace makers.
- g. Newton's law of gravitation.

B.Sc.(N) [Post Basic (1st Year)]

BF/2010/12

English

[New Scheme-w.e.f. 2007 admission]

M.M. : 75

Time : 3 Hours.

Note : Attempt all questions.

1. Write an essay on any (ONE) of the following in about (450) words:
- i) Value of travelling.
 - ii) Grow more Tree Campaign.
 - iii) Female Foeticide
 - iv) If you want Peace, be prepared for war.
- [15]

2. Write a letter to your cousin _____ asking him/her to celebrate Diwali without crackers.
- OR [10]
- Write a letter to the Manager, National Youth Centre, Shimla for reserving accommodation.

3. Write a paragraph in about (100) words on any (ONE) of the following topics:
- a. Save Water ! Save Life.
 - b. Hostel Life.
 - c. Fashion.
 - d. If winter comes, can spring be far behind ?

[10]

4. Do as directed:

- A. *Change the voice:* [5]
- i) Never waste time.
 - ii) Keep to the left.
 - iii) He gave her a gift.
 - iv) He was eating fast food.
 - v) Who gave her this book.

- B. *Change the Narration:* [5]
- i) The Bible says, "Work is Worship."
 - ii) He said, "Do you like me?".
 - iii) "Let us go out for a walk," Mohan said.
 - iv) He said, "Bravo! well done".
 - v) "Let us hire a taxi and go to shimla," I said.

- C. *Fill in the correct preposition:* [5]
- i) He has been reduced _____ skeleton.
 - ii) He prefers mild _____ tea.
 - iii) I write _____ ink.
 - iv) He poured milk _____ the jug.
 - v) Are you satisfied _____ your result ?

D. Correct the following sentences: [5]

- i) There were lesser students in the class.
- ii) His pen is superior than mine.
- iii) The jury is divided in their opinion.
- iv) So long as there is life, there is hope.
- v) He climbed on the tree.

5. Write how DDT enters our food and affects our health. [10]

OR

There is a Dark side of Glit and Glamour. Discuss.

6. **Read the following passage and answer the questions that follow:** [10]

Practically all the progress that man has made is due to the fact that he is mortal. He has recognised that he is in this world only for the short while and this knowledge has been a good thing to stimulate him to make diligent use of whatever talents he is endowed with. The secrets of Nature have been wrested from her ungrudging fingers by men who, knowing they were mortal, have sought to comprehend the mysteries of the world around them in the hope that knowledge might enable them, if not to circumvent death, at least to ameliorate the austerities of life for themselves and others. All our instincts and emotions are re-inforced by death. If we were not mortal, the paternal and maternal instincts would not dominate our lives so strongly as they do. If we know that we should never, die, we should have no desire for children to perpetuate our name and carry on the succession of race. Thus ultimately, we should arrive at a world without a child and a world without a child would be a place in which there was no call for some of the most beautiful emotions to which the human soul can give expression. And death lends a peculiar sanctity to human love. A man may love his books, but the love he bears for his wife, his children or his friends, is something deeper and more sublime; it is love intensified and purified by the thought that human life is a finite thing which may at any movement be touched by the finger of death.

- i) Why does man make earnest efforts to make use of his talents?
- ii) What have men done to better life?
- iii) Why do we desire to have children?
- iv) How would you feel if there were no children in the world?
- v) How does death give sacredness to human love?

(18)

**B.Sc (N) [Post Basic 2nd year]
Community Health Nursing
[New scheme w.e.f.[2007 admission]**

M.M:75

Time: 3 Hrs.

Note: Attempt all questions.

1.
 - a. List the steps of community health nursing process.
 - b. Explain one of the steps in detail with help of examples.
 - c. Qualities of Community health nursing.

Or (3+7+5=15)

 - a. Explain family as a basic unit of community health nursing services.
 - b. Describe how would you develop working relationship in family providing community health nursing services.
 - c. List advantages of maintaining family health records.

(5+5+5=15)
2.
 - a. List the objectives of school health programme.
 - b. Describe health problem common among school children of 10 to 15 year of age.
 - c. Explain the role of community health nurse in school health programme.

(4+4+7=15)
3.
 - a. Define epidemiology.
 - b. Describe aims of epidemiology.
 - c. Discuss the epidemiology principles you will keep in mind when there is a outbreak of specific disease in community assigned to you (Select any disease to explain).

(2+2+6=10)
4.
 - a. Define biostatistics and vital statistics.
 - b. Explain methods of computing of vital statistics.
 - c. Discuss role of community health in management information system.

(1 1/2+3 1/2+5=10)
5. Write short notes on any **FIVE** of the following:-
 - a. Occupation health hazards in textile industry.
 - b. Maternal mortality rate.
 - c. Care of elderly.
 - d. Public health legislation
 - e. Role of nurse in under five clinic
 - f. Family health counseling.
 - g. Exclusive breast feeding

(5*5=25)

M.Sc (N) 1st Year)
Paper-Obstetric & Gynecological Nursing-1

Time:3 hours

M.M. 75

Note :Attempt all Questions

1. Describe the various measures undertaken to assess the maternal & foetal condition during pregnancy. (15)
2. a. Define first stage of Labour
b. Write the physiology of first stage of labour
c. Describe the Nursing Management of primi gravida woman during first stage (2+5+8=15)
3. a. List the characteristics of normal new born
b. Describe the needs of new born 4+6=10)
4. a. Define infertility
b. Write the causes of infertility both in male& female
c. Discuss the various methods of infertility management (1+3+6=10)
5. Write short notes on any three of following
a. Septic abortion
b. Counseling & guidance to a menopausal woman
c. Baby friendly hospital initiative
d. Role of independent nurse midwife
e. Apgar Score
f. Exclusive Breast feeding & Complementary feeding
g. IMNCI 5x5=25

M.Sc.(N) 1st year
Advanced Nursing Practice

Time:3 hours

M.M. 75

Note :Attempt all Questions

- 1. a. Define terms
(1) Concepts
(2) Models
(3) Theory
b. Enlist various nursing theories
c. Discuss Roy's adaptation model & its applications in nursing (3+4+8=15)
- 2. a. Define alternate modalities of care
b. Discuss various branches of alternate Modalities of care
c. Role of Alternate modalities of care in current nursing practice (1+5+7+2=15)
- 3. a. Define Sexuality and sexual health
b. Factors affecting pain and long term effects of untreated pain
c. Treatment modalities available for pain management (1+4+5=10)
- 4. a. Define sexuality and sexual health
b. Enlist various male and female sexual disorders and discuss any two
c. Discuss role of nurse in sexual health and prevention of sexual disorders (2+3+5=10)
- 5. Write explanatory notes on any five of the following
a. Stages of grieving
b. Infection prevention
c. Evidence based practice
d. Role of computers in nursing
e. Nursing process
f. Genetic counseling
g. Assertiveness in nursing (5x5=25)

M.Sc.(N) 1st Year)
Community Health Nursing-1

Time:3 Hours

M.M:75

Note: Attempt all Questions

1. (a) Mention scope of Community Health Nursing.
(b) Describe role and responsibility of individuals and families in promotion of health of the community (6+9=15)

2. (a) Describe methods of limitation and spacing of family.
(b) Discuss the needs and advantages of Family Health Survey in India. (7+8=15)

3. (a) Describe concept of Family Nursing and Family Centered Nursing approach.
(b) Explain nursing care for an elderly person in the family. (5+5=10)

4. (a) Discuss the components of IMNCI.
(b) Explain functions of Skilled Birth Attendant (SBA). 5+5=10)

5. Write short notes on any five of the following
a. Inter Sectoral Co-ordination
b. Health Indicators R/I Fertility
c. Community Diagnosis
d. Nursing Audit
e. I.E.C
f. Supervision
g. Multi sectoral approach 5x5=25

M.Sc.(N) 1st Year)
Clinical Speciality-I
Child health (Pediatric) Nursing

M.M.:75

Time:3 Hours

Note: Attempt all Questions

1. B/o Rita is received by you in delivery room at 36 weeks of gestation. Baby is blue, gasping with chest retractions & heart rate less than 100bpm
 - a. What could be the possible diagnosis of this baby?
 - b. What initial assessment would be required for the baby?
 - c. What level of Neonatal Care will be required for this baby?
 - d. Describe the steps in Resuscitation for this baby? (1+4+2+8=15)

2. During your pediatric OPD posting, you encountered a pregnant lady with 12 weeks of gestation conceived through consanguineous marriage.
 - a. What is consanguineous marriage.
 - b. What could be the possible management approaches for the above mentioned case?
 - c. As a nurse what is your role in genetic counseling? (5+5+5=15)

3. Discuss in brief of the following
 - a. Developmental task & Special needs of toddlers
 - b. Baby friendly hospital initiative & Exclusive Breast feeding (5+5= 10)

4.
 - a. Define child abuse & child neglect
 - b. As a pediatric nurse, how will you assess the case of child abuse?
 - c. Discuss the management of child abuse specific to laws related to its prevention in our country (2+3+5=10)

5. Write explanatory notes on any Five of the following
 - a. Immunization & cold chain
 - b. Reaction of toddler to hospitalization
 - c. Millennium development goals in relation to children
 - d. Failure to thrive
 - e. IMNCI
 - f. Factors affecting growth & development of fetus (5x5=25)
 - g. Rights of children

M.Sc.(N) 1st year
Medical Surgical Nursing

Time:3 hours

M.M. 75

Note :Attempt all Questions

1. Mr. Ashok Kumar, aged 35 years met a road side accident and is admitted in unconscious state as a case of head injury.
 - a. Explain the assessment of level of consciousness
 - b. Describe the difference between cerebral concussion & cerebral contusion.
 - c. Enumerate the symptoms of increased intracranial pressure.
 - d. Prepare a nursing care plan for Mr. Ashok Kumar (3+3+2+7=15)

2. Mr. Prakash Singh, aged 45 years is admitted with the diagnosis of myocardial infarction (M.I).
 - a. Explain the pathophysiology of M.I relating to clinical manifestation
 - b. Enumerate the specific diagnostic procedures for M.I & explain one of them along with nurses responsibilities.
 - c. Prepare a nursing care plan for Mr. Prakash Singh (4+4+7=15)

3. Mr. Raj Kumar, aged 40 years is admitted for hemodialysis with end stage renal failure.
 - a. Enumerate the clinical manifestations of end stage renal failure.
 - b. Describe the indication & Procedure of hemodialysis
 - c. Write briefly on procurement, transportation & procedure for kidney transplant. (3+3+4=10)

4. Explain any three of the following
 - a. Classification & etiology of anaemias.
 - b. Nursing process of thyroidectomy patient
 - c. Pathophysiology of stress & coping
 - d. Insulin therapy & nurses responsibilities (3x5=15)

5. Write short notes on any five of the following
 - a. Portal Hypertension
 - b. Osteomyelitis
 - c. Bronchitis
 - d. Glaucoma
 - e. Anaemias
 - f. Cardiogenic shock
 - g. Hepatitis (5x5=25)

M.Sc.(N) 1st year
Mental Health (Psychiatric) Nursing-I

Time:3 hours

M.M. 75

Note :Attempt all Questions

1.
 - a. What do you understand by dynamics of personality development?
 - b. Explain psycho analytic theory
 - c. Discuss the relevance of psycho analytic theory to Nursing practice. (2+7+6=15)
2.
 - a. What do you mean by Psycho Immunology?
 - b. Discuss Normal immune response
 - c. Describe the implications of psycho immunology for psychiatric illness and psychiatric Nursing (2+6+7=15)
3. Interpersonal relationship is the core of psychiatric Nursing, keeping this in view:-
 - a. Explain the dynamics of nurse patient relationship
 - b. Describe the phases of nurse patient relationship
 - c. Discuss the conditions essential to develop nurse-patient relationship (2+4+4=10)
4. Nursing process is the hall mark of quality patient care in Nursing.
 - a. Explain nursing process
 - b. How will you apply Nursing process in the psychiatric setting
 - c. Write the methods of documentation of care you have given to your patient during clinical experience. (2+4+4=10)
5. Write short notes on any five of the following
 - a. Pet Therapy
 - b. Anti psychotics
 - c. Recreational Therapy
 - d. Genetic Counseling
 - e. Assertive Training
 - f. Stress Management (5x5=25)

M.Sc (N) [1st Year]
Nursing Education
[Common for all Nursing Specialities]
[New Scheme w.e.f.2008 Admission]

M.M: 75

Time: 3 Hours.

Note: Attempt all questions.

1. a. Define & differentiate the terms ' Education ', ' Teaching and Learning '
b. List the three domains of educational objectives. Frame one objective in each of the domains.

(7+8=15)

2. a. List the advantages and disadvantages of demonstration as a method of teaching.
b. Describe how you can make demonstrations more effective.

(7½+7½=15)

3. a. List the points you will keep in mind while selecting media for teaching.
b. How will you make good overhead transparencies?

(5+5=10)

4. a. Difference between formative and summative evaluation.
b. What are multiple choice questions (MCQ's)? Make 5 MCQ's of different types.

(4+6=10)

5. Write short notes on any **FIVE** of the following:
 - a. Standardized tests.
 - b. Counseling process.
 - c. Determinants of curriculum.
 - d. Basic Nursing Education programs.
 - e. Continuing Nursing Education.
 - f. Accreditation of Nursing Education institutions.
 - g. Teacher preparation in Nursing.

(5*5=25)

M.Sc. (N) 1st year
BF/2011/01
NURSING RESEARCH & STATISTICS
(Common for all Nsg. Specialties)
New Scheme

Time- 3 Hrs

MM – 75

Note: - Attempt all Questions / Calculator is not allowed

Nursing Research

- Que.1. a) Define sample & sampling.
 b) Discuss different types of sampling techniques.
 c) Describe the factors influencing sampling process.

2+7+6=15

- Que.2. a) Define Research & Nursing research.
 b) Discuss in brief purposes and characteristics of research.
 c) Describe the importance of nursing research in relation to providing quality patient care.

2+6+7=15

- Que.3 Write explanatory notes on any four of the following
 a) Importance of Review of literature in nursing research.
 b) Critiquing of research report.
 c) Ethical issues in health sciences research.
 d) Characteristics of measuring tools.
 e) Hypothesis, formulation & types.

5 x 4=20

Statistics

- Que.4. a) what do you mean by confidence interval?
 b) Why median is used when there are extreme scores in a distribution.
 c) Describe the data with appropriate central tendency & variability:-

Marks	No. of students
0 – 80	80
10 - 80	78
20 – 80	70
30 – 80	55
40- 80	35
50-80	23
60-80	13
70-80	10

1+2+7=10

- Que.5. Write explanatory notes on any three of the following
 a) Descriptive and inferential statistics.
 b) Mann Whitney test..
 c) X2 test for independence of attributes.
 d) Correlation analysis & its types.

5 x 3 =15

(27)

M.Sc (N) [2nd Year]
Pediatric (Child Health) Nursing -II
[Child Health(Pediatric) Nursing Speciality]
[New Scheme w.e.f.2008 Admission]

M.M: 75

Time: 3 Hours.

Note: Attempt all questions.

1.
 - a. Define Gastro-intestinal reflux.
 - b. Enlist the clinical manifestation of Gastro-intestinal reflux.
 - c. Describe the treatment modalities and nursing management of child with diagnosis of Gastro-intestinal reflux.

(2+3+10=15)

2.
 - a. Define Leukemia.
 - b. Explain the Pathophysiology of Leukemia.
 - c. Enumerate clinical features of Leukemia.
 - d. Describe medical and nursing management of child admitted in metabolic unit with diagnosis of Leukemia.

(2+3+3+7=15)

3.
 - a. Define Myelomeningocele.
 - b. Enumerate clinical features of Myelomeningocele.
 - c. Describe the pre-operative and post-operative nursing management of child with Myelomeningocele

(1+3+6=10)

4.
 - a. Define Asphyxia neonatorum.
 - b. Enumerate congenital anomalies in new born.
 - c. Describe nursing management of new born admitted with meconium aspiration syndrome.

(1+3+6=10)

5. Write short notes on any **FIVE** of the following:
 - a. Extrophy Bladder
 - b. Legal and ethical issues in Paediatric Intensive Care.
 - c. Attention deficit hyperactive disorder (ADHD).
 - d. Drug Interactions.
 - e. Trends in Paediatric Nursing
 - f. Management of Mega Colon.
 - g. Nephrotic Syndrome

(5*5=25)

(28)

M.Sc (N) [2nd Year]
Community Health Nursing - II

[Community Health Nursing Speciality]
[New Scheme w.e.f.2008 Admission]

MM: 75

Time: 3 Hours.

Note: Attempt all questions.

1.
 - a. Define epidemiology.
 - b. Explain measurement of health and disease in a specific community with help of example.
 - c. Describe how epidemic emerge.
 - d. List the epidemiological methods which can be used to study epidemiology of a disease.

(1+5+6+3=15)
2.
 - a. Explain objectives of NRHM.
 - b. Enumerate the emerging health problems of urban slum areas.
 - c. Describe the role of nurse in National AIDS control programme.

(5+3+7=15)
3.
 - a. List the objectives of school health programme and explain importance of maintaining school health records.
 - b. Describe responsibilities of community health nurse in maintaining school health records.

(6+4=10)
4.
 - a. Explain the concept of material management.
 - a. Describe role of community health nurse in material management.

(3+7=10)
5. Write short notes on any **FIVE** of the following:
 - a. Women and occupational health.
 - b. Primary prevention of mental ill health at community level.
 - c. Nursing Audit.
 - d. International quarantine.
 - e. Health Insurance
 - f. Quality Assurance.
 - g. Ageing Process.

(5*5=25)

M.Sc (N) [2nd Year]
Psychiatric (Mental Health) Nursing - II
[Psychiatric Nursing Speciality]
[New Scheme w.e.f.2008 Admission]

M.M: 75

Time: 3 Hours.

Note: Attempt all questions.

1. Define Affective disorders. Explain the different types of affective disorders. List the signs and symptoms of each of affective disorders. Write Nursing Management of a patient who is Acute Manic phase. (15)
2. Explain Somatoform disorders and discuss its types. Explain the Nursing Managements of a patient with only Somatoform disorders keeping the psychodynamics in mind. (15)
3. Explain the Nursing Management of a patient presenting following:
 - a. Suicidal ideation
 - b. Delirium.
 (5+5=10)
4.
 - a. Discuss the role of Mental Health Psychiatric nurse in primary.
 - b. Secondary and tertiary prevention and case of mental illness.
 (5+5=10)
5. Write short notes on any **FIVE** of the following:
 - a. Nursing Management of a patient with anger and aggression.
 - b. Nursing Management of a patient with sample schizophrenia.
 - c. Phases of development of crisis.
 - d. Role of a nurse while giving anti anxiety drugs.
 - e. Principles of Rehabilitation.
 - f. Substance abuse.
 - g. Mentally Challenged.
 (5*5=25)

(30)

M.Sc (N) [2nd Year]
Medical Surgical Nursing - II
(Sub Speciality - Critical Care Nursing)
[New Scheme w.e.f.2008 Admission]

M.M: 75

Time: 3 Hours.

Note: Attempt all questions.

- 1
 - a. Discuss the criteria to put the patient on ventilator.
 - b. What all complications the patient on ventilator can develop.
 - c. Write the nursing management of the patient on ventilator following the steps of nursing process.

(5+4+6=15)
- 2 **A 40 year old lady is brought to emergency with 55% thermal burn.**
 - a. How will you calculate the fluid for the patient? Discuss any two formulas.
 - b. Discuss the pathophysiology of burns.
 - c. Explain the management of the patient during the acute phase of burns.

(4+5+6=15)
- 3 A 20 Year old Rakesh had developed subdural hematoma following head injury in a road traffic accident.
 - a. Discuss the pathophysiology of subdural hematoma..
 - b. Enlist the diagnosis tests and their line of treatment.

(4+6=10)
- 4
 - a. What all complications the patient can develop after appendectomy and write down post operative management for first 24 hours of operation.
 - b. Discuss the management Thyroidectomy.

(4+6=10)
5. Write short notes on any **FIVE** of the following:
 - a. Concept of critical care nursing.
 - b. Stress and burn out syndrome among the nursing personnel.
 - c. Pharmacokinetics.
 - d. Standard safety measures.
 - e. Renal replacement therapy.
 - f. Disseminated intravascular coagulopathy.
 - g. C.V.A

(5*5=25)

(3)

M.Sc (N) [2nd Year]
Medical Surgical Nursing - II
(Sub Speciality - Oncology Nursing)
[New Scheme w.e.f.2008 Admission]

M.M: 75

Time: 3 Hours.

Note: Attempt all questions.

1. Mr. Ali, 55 year old man has been admitted in the cancer ward, diagnosed as colorectal cancer in descending bowel and is scheduled for Surgery:-
- What are the risk factors for colorectal cancer and describe sign and symptoms of the colorectal cancer.
 - Describe TNM classification of colorectal cancer.
 - Write down the management of Mr. Ali at this stage of illness.
- (5+3+7=15)
2. a. Define in-service education and write down the Importance of in-service education.
- b. Plan a 7 days in-service education program on oncological for staff nurse working in the oncology department of nursing.
- (7+8=15)
3. a. Describe the elements of palliative care.
- b. Describe role of a nurse in palliative care.
- (5+5=10)
4. a. Discuss in brief modalities of cancer treatment along with role of nurse.
- b. Describe pharmacological and non-pharmacological treatment modalities for pain Management in cancer patient.
- (5+5=10)
5. Write short notes on any **FIVE** of the following:
- Nutrition of cancer patients.
 - Management of side effects of chemotherapy.
 - Stem cell transplantation in cancer treatment.
 - Preparation of a protocol on administration of cancer chemotherapeutic drugs.
 - Oncology Emergencies.
 - Advance diagnostic tests / procedure for diagnosis cancer
- (5*5=25)

M.Sc (N) [2nd Year]
Nursing Management
[Common for all Nursing Specialities]
[New Scheme w.e.f.2008 Admission]

M.M: 75

Time: 3 Hours.

Note: Attempt all questions.

1.
 - a. State the scopes of nursing administration.
 - b. As a nursing Superintendent of 500 bedded hospital, discuss your role as a manager, with examples.

(6+9=15)

2.
 - a. Define 'Leadership'.
 - b. State different styles of Leadership.
 - c. Discuss in detail about various techniques used for effective Leadership in Nursing.

(2+3+10=15)

3.
 - a. Define 'Decision Making'.
 - b. List the various decision making strategies.
 - c. Discuss in detail about the steps in managerial decision making Process with examples.

(2+3+5=10)

4.
 - a. Discuss the steps of Planning - Process.
 - b. Plan a clinical rotation plan.

(5+5=10)

5. Write short notes on any **FIVE** of the following:
 - a. Budget
 - b. Job-specification
 - c. Collective bargaining
 - d. Managing Conflict
 - e. Stress Management
 - f. Disaster Preparedness
 - g. Recruitment
 - h. Standard Safety Measures

(5*5=25)

M.Sc (N) [2nd Year]
Obstetric and Gynaecological Nursing - II
 [Obstetric and Gynaecological Nursing Speciality]
 [New Scheme w.e.f.2008 Admission]

MM: 75

Time: 3 Hours.

Note: Attempt all questions.

1. Mrs.Devita 23 years Primi-gravida has been admitted at 34 wks of Pregnancy as a case of Eclampsia.

- a. Define Eclampsia.
- b. Explain the stages of Eclamptic fit.
- c. List four conditions which should be kept in mind while arriving at diagnosis of Eclampsia.
- d. Discuss the immediate management of Mrs. Davita.

(1+2+2+10=15)

2. a. Enumerate the causes of Ante-partum Haemorrhage.
- b. Differentiate between the signs and symptoms of inevitable and accidental Haemorrhage.
- c. Discuss the management of a 3rd gravida mother at 34 weeks of Pregnancy admitted with a history of Ante-partum Haemorrhage.

(2+5+8=15)

3. a. Define obstructed labour and trial of labour.
- b. List the causes and signs of obstructed labour.
- c. Discuss in detail the management of mother with obstructed labour.

(2+3+5=10)

4. 40 year old Ramkali is admitted with the history of delivery conducted at home by untrained dai one week earlier with high fever and low blood pressure with foul vaginal discharge.

- a. What could be the provisional diagnosis of Ramkali.
- b. Write down the management of Ramkali according to the diagnosis.
- c. Write down standard safety measures in Obstetrical Nursing.

(1+3+6=10)

5. Write short notes on any **FIVE** of the following:

- a. Small for dates babies.
- b. Exclusive breast feeding.
- c. Forceps delivery.
- d. Bendle's Ring.
- e. PNDT ACT.
- f. Management of high risk Pregnancy.
- g. Post partum hemorrhage.

(5*5=25)

(34)

M.Sc (N) [2nd Year]
Medical Surgical Nursing - II
(Sub Speciality - Neurosciences Nursing)
[New Scheme w.e.f.2008 Admission]

M.M: 75

Time: 3 Hours.

Note: Attempt all questions.

- 1 **Mr. Mohan 18 Years old is brought to emergency with head trauma following road traffic accident.**
 - a. How will you diagnose the conditions?
 - b. Discuss the mechanism of injury.
 - c. Explain the pre and post operative management of the patient.

(2+5+10=15)
- 2 **A patient is admitted in neurosurgical ward with status epilepticus.**
 - a. Define the condition.
 - b. Discuss the etiopathogenesis.
 - c. Explain the medical and nursing management.

(2+6+7=15)
3.
 - a. Discuss the pathogenesis and clinical manifestations of Parkinson's disease.
 - b. Discuss the pharmacological, surgical and nursing management of the patient.

(4+6=10)
- 4 **Mr. Ram was 60 years old admitted in the emergency with high Blood pressure 210/160 and right side hemi plegia along with altered sensorium**
 - a. What could be the provisional diagnosis of Mr. Ram .Explain pathophysiology of probable disease conditions?
 - b. Discuss complete management of Mr. Ram.

(5+5=10)
5. Write short notes on any **FIVE** of the following:
 - a. Ethical and legal issues in neuro nursing.
 - b. Nursing audit.
 - c. Poliomyelitis.
 - d. Bell's Palsy.
 - e. Central venous pressure
 - f. Neurogenic bladder.
 - g. Shock

(5*5=25)

M.Sc (N) [2nd Year]
Medical Surgical Nursing - II
(Sub Speciality - Cardio Vascular and Thoracic Nursing)
[New Scheme w.e.f.2008 Admission]

MM: 75

Time: 3 Hours.

Note: Attempt all questions.

1. Mr. Lalit 56 year old man admitted in cardiac care unit and is planned for CABG Surgery after two days. Discuss in points the pre and post operative care of Mr. Lalit using nursing process.

(15)

2 Mrs. Survi 58 Years old lady is a chronic smoker and admitted in CCU with the complaint of chest pain radiating to left hand, dyspnea and severe perspiration. Doctor has diagnosed her as a case of MI.

- a. Define MI.
- b. List down the etiology and risk factor which may be responsible for MI of Mrs. Survi.
- c. Briefly discuss pathophysiology along with sign and symptoms.
- d. Write in points 1st 24 hrs. Nursing Management of Mrs. Survi according to nursing process.

(1+2+4+8=15)

- 3 a. Explain the management of pulmonary embolism.
- b. Health education given to a patient with permanent pace marker.

(5+5=10)

4 Mr. Shyam is 30 year old young man, suffering from COPD and admitted in ICU of your hospital

- a. Define COPD and classify it.
- b. Explain pathophysiology along with sign and symptoms.
- c. Briefly describe the nursing management.

(1+3+6=10)

5. Write short notes on any FIVE of the following:

- a Physical assessment of Respiratory System.
- b Coarctation of aorta.
- c Inotropic agent
- d Pulmonary embolism
- e ECG
- f Pneumothorax
- g Asthma

(5*5=25)