

①

**B.Sc.(N) [1<sup>st</sup> 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 1<sup>st</sup> 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

6

**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)

7

BSc Nursing 2<sup>nd</sup> 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

8

**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)