

**B.Sc.(N) [1<sup>st</sup> Year]**  
BF/2023/05  
**Anatomy & Physiology**  
[New Scheme w.e.f. 2006]

**Time : 3 Hours**

**Max Marks : 75**

*Note: 1.) Attempt all questions.*

*2.) USE SEPARATE ANSWER BOOK FOR EACH PART.*

*3.) The Student must write separate Q.P. Code in the space provided on the Title Page of the respective Answer Book.*

**SECTION-A**

**[37 Marks]**

**QP Code: BNN101**

**[ANATOMY]**

1. (i) (a) Draw a labelled diagram of Stomach. [2]  
(b) Briefly explain the types of Bones with examples. [4]  
(c) Describe the structure of Lungs. [4]

**OR**

- (ii) (a) Draw a labeled diagram of Tongue. [2]  
(b) Briefly explain the structure of Heart. [4]  
(c) Write differences between Large and Small Intestine. [4]
2. Explain the followings :  
(a) Define Phagocytosis. [2]  
(b) Functions of Master glands [4]  
(c) Functions of Spinal cord [4]
3. **Describe in brief any TWO of the following :** [2½x2=5]  
(a) Mitochondria  
(b) Hyoid bone  
(c) Functions of WBC
4. **Write Short Notes on any FOUR of the following :** [3x4=12]  
(a) Pancreas (b) Functions of Cerebellum  
(c) Components of blood (d) Ovary  
(e) Shoulder girdle (f) Tonsil

**SECTION-B**

**[38 Marks]**

**QP Code: BNN102**

**[PHYSIOLOGY]**

1. (i) (a) List out the accessory organs of digestion [2]  
(b) Briefly explain the physiology of Respiration. [4]  
(c) Briefly explain the structure of Ear [4]

**OR**

- (ii) (a) Draw a labeled diagram of Liver. [2]  
(b) Briefly explain digestion and absorption of Protein. [4]  
(c) Write differences between Mitosis and Meiosis. [4]
2. Explain the followings :  
(a) Functions of Neuron [2]  
(b) Process of Hearing [4]  
(c) Quadrants of Abdominal cavity [4]
3. **Describe in brief any TWO of the following :** [3x2=6]  
(a) Muscles of Mastication  
(b) Power House of our Body  
(c) Types of Muscles
4. **Write Short Notes on any FOUR of the following :** [3x4=12]  
(a) Pelvic girdle (b) CSF  
(c) Bile (d) Functions of Spleen  
(e) Functions of Skin (f) FHS
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**B.Sc.(N) [1<sup>st</sup> Year]**  
BF/2023/05  
**Nutrition & Biochemistry**  
[New Scheme w.e.f. 2006]

**Time : 3 Hours**

**Max Marks : 75**

*Note: 1.) Attempt all questions.*

*2.) USE SEPARATE ANSWER BOOK FOR EACH PART.*

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**SECTION-A**

**[45 Marks]**

**QP Code: BNN103**

**[NUTRITION]**

1.
  - (a) Write the formula for calculating BMI with units. [2]
  - (b) Enumerate the elements of balanced diet. [3]
  - (c) Discuss principles of cooking and nutrient preservation. [5]
2.
  - (a) List down the nutritional problems in India. [2]
  - (b) Write micronutrient associated deficiency diseases. [3]
  - (c) Briefly discuss National nutrition programmes. [5]
3.
  - (a) Define therapeutic diet. [2]
  - (b) Write the caloric value of carbohydrates, proteins and fats. [3]
  - (c) Discuss dietary sources of proteins and protein energy malnutrition. [5]
4. **Write Short Notes on any THREE of the following :** [3x5=15]
  - (a) Classification of Fats
  - (b) Factors affecting BMR (basal metabolic rate)
  - (c) Hypervitaminosis
  - (d) Food adulteration and PFA act
  - (e) One-day menu plan for a healthy pregnant female

**SECTION-B**

**[30 Marks]**

**QP Code: BNN104**

**[BIOCHEMISTRY]**

1. (i) (a) Describe the pathway of Glucose metabolism through Tricarboxylic acid (TCA) cycle. Name the enzymes which help in each step of the process of glucose metabolism. [5]  
(b) Discuss various types of Prostaglandins and their role in our Body. [5]
  - OR**
  - (ii) (a) Describe the structure of cell membrane and discuss about Fluid Mosaic Model. [5]  
(b) Explain the structure, composition and uses of Monosaccharides. [5]
  2. Define the terms Acid and Base. Explain the mechanism of Acid- Base maintenance in our body. [5]
  3. **Write Short Notes on any FIVE of the following :** [3x5=15]
    - (a) Prokaryotic and Eukaryotic cell
    - (b) Transportation of lipids
    - (c) Atherosclerosis and its diagnostic tests
    - (d) Heme and chlorophyll
    - (e) Uses of Amino acids
    - (f) Specialized proteins
    - (g) Role of Vitamin D
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**B.Sc.(N) [1<sup>st</sup> Year]**

BF/2023/05

**Nursing Foundations**

[New Scheme w.e.f. 2006]

**Time : 3 Hours**

**Max Marks : 75**

*Note: 1.) Attempt all questions.*

*2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*

*3.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. (i) **Explain briefly :**

- (a) Role of nurse in providing safe and clean environment [5]
- (b) Nurse patient relationship [5]
- (c) Infection Control [5]

**OR**

(ii) **Describe the following :**

- (a) Ethical Issues in Nursing [5]
- (b) Types of positions [5]
- (c) Bed Sore [5]

2. **Describe the following :**

- (a) Maslow's needs theory [5]
- (b) Types of Comfort Devices [5]
- (c) Sitz Bath [5]

3. Define the term Health. Describe the impact of illness on Patient and Family. [10]

4. Mrs. X , 68 year old is admitted in the hospital with the complaint of Abdominal discomfort and constipation for 5 days:

- (a) Enumerate the causes of Constipation [2]
- (b) Enlist the types of Enema [3]
- (c) Nurses responsibilities of administration of enema [5]

5. **Write Short Notes on any FIVE of the following :** [5x5=25]

- (a) Role of Nurse while Administration of oxygen to the patient
- (b) Role of nurse in prevention of Hospital acquired infection
- (c) Role of Nurse in Maintaining Record and Reports
- (d) Role of Nurse in Management of Patient with Fever
- (e) Role of Nurse in Maintaining Fluid and electrolyte imbalance
- (f) Role of Nurse in Drug administration
- (g) Role of Nurse in Therapeutic Communication

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

BF/2023/05

**Psychology**

[New Scheme w.e.f. 2006]

**Time : 3 Hours**

**Max Marks : 75**

*Note: 1.) Attempt all questions.*

*2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*

*3.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. (i) (a) Define Learning. [2]  
(b) Write factors influencing Learning. [7]  
(c) Types of laws related in Learning [6]

**OR**

- (ii) (a) Define Thinking. [2]  
(b) Write briefly about creative thinking. [7]  
(c) Levels of thinking based on Blooms Taxonomy. [6]
2. (a) Define Stress. [2]  
(b) Explain the Stressors in details. [5]  
(c) Coping styles according to Roger and Nash. [8]
3. (a) Define Perception. [3]  
(b) Explain various principles of Perception. [7]
4. (a) Define Psychology. [2]  
(b) Write various branches of Psychology. [8]

5. **Write Short Notes on any FIVE of the followings :** [5x5=25]

- (a) Qualities of a good counselor  
(b) Motivation Theories  
(c) Emotions in Health and Illness  
(d) Effects of Attitudes on Behavior  
(e) Basic concepts of Freud  
(f) Characteristics of Mentally Healthy Person  
(g) Types of Personality
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**B.Sc.(N) [1<sup>st</sup> Year]**

BF/2023/05

**Microbiology**

[New Scheme w.e.f. 2006]

**Time : 3 Hours**

**Max Marks : 75**

*Note: 1.) Attempt all questions.*

*2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*

*3.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. (i) (a) Classify Mycobacteria. [3]  
(b) Write in detail laboratory diagnosis of Mycobacterium tuberculosis. [12]

**OR**

- (ii) (a) Define Hospital Acquired Infections and their surveillance. [7]  
(b) What is the role of a nurse in decreasing hospital acquired infections? [8]

2. (a) Classify Gram negative bacteria. [2]  
(b) Silent features of Enterobacteriaceae family. [5]  
(c) Laboratory diagnosis of Salmonella typhi infection. [8]

3. (a) Describe Arbo viruses. [2]  
(b) Pathogenesis of Dengue virus infection [3]  
(c) Laboratory diagnosis of Dengue [5]

4. (a) Define Disinfection. [1]  
(b) What are the various types of Disinfectants. [4]  
(c) How can you test efficacy of Disinfectants. [5]

5. **Write Short Notes on any FIVE :** [5x5=25]

- (a) Aspergillosis  
(b) Clostridium difficile  
(c) Enriched media  
(d) Hospital waste management  
(e) Amoebic dysentery  
(f) Routes of infection  
(g) Type I hypersensitivity reactions
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**B.Sc.(N) [1<sup>st</sup> Year]**

BF/2023/05

**English**

[New Scheme for admission upto 2018-19]

**Time : 3 Hours****Max Marks : 75****Note: 1.) Attempt all questions.****2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.****3.) The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.****1. Write an Essay in about 300 words on any ONE of the following: [15]**

- (a) Mobile Phone: A Boon or a Curse (b) Technology: A Boon or a Curse  
(c) Your Role Model in Life (d) Save Nature

**2. Your younger brother is going to college in a different city. Write a letter to give a piece of advice to him. [10]****3. What do you mean by Nurses notes? Explain their importance? [10]****4. Make a precis of the following passage and suggest a suitable title : [10]**

A man in the east gave up all worldly concerns and went to a wood, where he built a hut and lived in it. His only clothing was a piece of cloth that he wore around his waist. But as ill luck would have it, rats were plentiful in the wood; so he had to keep a cat. The cat requires milk; so he had to keep a cow. The cow required tending, so a cowboy was employed. The boy required a house to live in. So a house was built for him. To look after the house a maid had to be engaged. To provide company for the maid a few more houses had to be made, and people were invited to live in them. In this manner, a little township sprang up in the lovely wood.

**5. Correct the following sentences : [5]**

- (a) I will going to the market tomorrow.  
(b) What do you eat yesterday?  
(c) Ron is smart than his friends.  
(d) They has a party planned for you.  
(e) Have you ever being to Kashmir?

**6. Fill in the blanks with Suitable Prepositions : [5]**

- (a) They are waiting \_\_\_\_\_, the bus.  
(b) I'm looking \_\_\_\_\_ my keys.  
(c) You can look up the word \_\_\_\_\_ a dictionary.  
(d) This popular song is \_\_\_\_\_ Beatles.  
(e) The cat jumped \_\_\_\_\_ the chair.

**7. Substitute One word for each of the following : [5]**

- (a) A person who does not believe in God (b) Assembly of worshippers  
(c) Someone who leaves our country to set in another (d) One who possesses many talents  
(e) Building in which historical things are kept for display

**8. Give the Antonyms for the following words: [5]**

- (a) Grand (b) Doubtful (c) Honest (d) Kind (e) Important

**9. Use the following Idioms/Phrases into sentences : [5]**

- (a) Out of gear (b) Seamy side of life (c) To take to one's side  
(d) To grease the palm (e) Ins and out

**10. Transcribe the following words into Phonetic Symbols : [5]**

- (a) Friday (b) Homework (c) Fish (d) Knife (e) Train
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**B.Sc.(N) [2<sup>nd</sup> Year]**

BF/2023/05

**Sociology**

[New Scheme w.e.f. 2006]

**Time : 3 Hours**

**Max Marks : 75**

- Note: 1.) Attempt all questions.  
2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.  
3.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. (i). (a) What is Sociology. [2]  
(b) Discuss the nature of Sociology. [5]  
(c) How study of sociology will improve the status of Nurses in India? Discuss.[8]

**OR**

- (ii). (a) Define Culture. [2]  
(b) Point out the Functions of Culture. [5]  
(c) Differentiate between Folkways and Mores. [8]
2. (a) Define Crowd. [2]  
(b) Explain in brief the characteristics of Crowd. [6]  
(c) Discuss the influence of religious practices on Health. [7]
3. (a) What is Social interaction. [3]  
(b) Explain the importance of Social interaction. [7]
4. (a) Define Family. [3]  
(b) Discuss the problems of Modern Family. [7]

5. **Write Short Notes on any FIVE of the following :** [5x5=25]  
(a) Family welfare programmes  
(b) Urban slums  
(c) Social control  
(d) Social groups  
(e) Child labour- Role of nurse  
(f) Indian rural life- Today  
(g) Personal disorganization
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# B.Sc.(N) [2<sup>nd</sup> Year]

BF/2023/05

## Pharmacology, Pathology, Genetics

[New Scheme w.e.f. 2006]

Time : 3 Hours

Max Marks : 75

Note: 1.) *Attempt all questions.*

2.) *USE SEPARATE ANSWER BOOK FOR EACH PART.*

3.) *The Student must write separate Q.P. Code in the space provided on the Title Page of the respective Answer Book.*

### SECTION-A

[38 Marks]

**QP Code: BNN203**

**[PHARMACOLOGY]**

Note: Attempt all questions.

1. (i) (a) Explain Pharmacokinetics. [4]  
(b) Differentiate between Hypnotics and Sedatives. [3]  
(c) Role of nurse in administering Hypnotic drugs. [3]

**OR**

- (ii) (a) Adverse reaction of Insulin therapy. [4]  
(b) Action of Angiotensin conversion enzyme inhibitor drug. [3]  
(c) Role of nurse in administering ACE inhibitor drugs. [3]

2. **Write short notes on :-**

- (a) Pharmacology of Aminoglycosides. [4]  
(b) Name the Antifungal drugs. [3]  
(c) Role of nurse in administering Antifungal drug. [3]

3. **Attempt any SIX of the following :**

[6x3=18]

- (a) Homeopathy  
(b) Contraindication of Tranquilizers  
(c) Vitamins and Minerals  
(d) Indications of Immunosuppressants  
(e) Side effect of Anti malarial drugs  
(f) Action of Adrenaline  
(g) Role of nurse in administering Anti leprosy drugs  
(h) Role of nurse in administering Anti convulsants

### SECTION-B

[37 Marks]

**QP Code: BNN204**

**[PATHOLOGY]**

1. **Discuss briefly :**

- (a) Physical and chemical examination of Urine [4]  
(b) Bronchial Asthma [3]  
(c) Etiopathogenesis of Tuberculosis [3]

2. **Write Explanatory Notes on any FIVE of the following :**

[5x3=15]

- (a) Osteomyelitis (b) Amoebic liver abscess  
(c) Renal cell carcinoma (d) Pleural effusion  
(e) Pyelonephritis (f) Choriocarcinoma  
(g) Platelet count

### [GENETICS]

[12 Marks]

3. **Write short notes on any FOUR of the following:**

[4x3=12]

- (a) Human Genome Project (b) Dysmorphism  
(c) Neural tube defect (d) Prenatal nutrition and food allergy  
(e) Mechanism of inheritance (f) Difference between Mitosis and Meiosis
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**B.Sc.(N) [2<sup>nd</sup> Year]**

BF/2023/05

**Community Health Nursing-I**

[New Scheme w.e.f. 2006]

**Time : 3 Hours**

**Max Marks : 75**

*Note: 1.) Attempt all questions.*

*2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*

*3.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book*

1. (i) (a) Define Demography. [1]  
(b) Discuss the impact of population explosion on health. [4]  
(c) Explain Chemical & Barrier temporary family planning methods in detail. [10]

**OR**

- (ii) (a) List the various Vector born diseases. [1]  
(b) Explain clinical features and management for Malaria. [7]  
(c) Discuss the role of CHN in control & prevention Malaria. [7]
2. (a) What is Community healthy nursing? [2]  
(b) Discuss scope of Community health nursing. [6]  
(c) Explain the principles of Home visit. [7]
3. (a) Explain the concept of Family Income and Purchasing Power of Family. [5]  
(b) Discuss the role of Community health nurse regarding purchase and consumption of food for the Family. [5]
4. (a) Explain Food hygiene. [3]  
(b) Write about Drug and Food Adulteration Act. [7]

5. **Write Short Notes on any FIVE of the following :** [5x5=25]

- (a) Indicators of health  
(b) Women empowerment and impact on family health  
(c) Discuss Level of prevention  
(d) Standard of Good housing  
(e) Epidemiological triad  
(f) Discuss the various methods of water purification at small scale  
(g) Role of community health nurse in prevention and management of coronary heart diseases in an urban community

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**B.Sc.(N) [2<sup>nd</sup> Year]**

BF/2023/05

**Communication and Educational Technology**

[New Scheme w.e.f. 2006]

**Time : 3 Hours****Max Marks : 75***Note: 1.) Attempt all questions.**2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.**3.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book*

1. (i) (a) Define Education and discuss the aims of Nursing education. [8]  
(b) Discuss Class room management. [7]

**OR**

(ii) **Discuss the following clinical teaching methods:**

- (a) Bed side clinic [8]  
(b) Group Conference [7]
2. (a) Define Communication. Discuss the Barriers of Communication. [8]  
(b) Write in detail about Motivation. [7]
3. (a) List out the types of Counseling approaches. [4]  
(b) Write the basic principles of Counseling. [6]
4. (a) Define AV aids. List out of the types of AV aids. [4]  
(b) Discuss in detail the uses of various AV aids in Nursing education. [6]

5. **Write Short Notes on any FIVE of the following :** [5x5=25]

- (a) Attitude scales  
(b) Human relations in Nursing  
(c) Short answer questions  
(d) Health behavior  
(e) Field trip  
(f) Naturalism  
(g) Principles of Teaching
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**B.Sc.(N) [2<sup>nd</sup> Year]**

BF/2023/05

**Medical Surgical Nursing-I**

[New Scheme w.e.f. 2006]

**Time : 3 Hours**

**Max Marks : 75**

*Note: 1.) Attempt all questions.*

*2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*

*3.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. (a) Define Diabetes mellitus. [2]  
(b) Discuss clinical manifestations and pathophysiology of Diabetes mellitus. [8]  
(c) Write down the management of Diabetes mellitus. [5]

**OR**

- (ii) (a) Define Cholelithiasis. [2]  
(b) Explain the clinical manifestations and pathophysiology of Cholelithiasis. [8]  
(c) Explain the management of patient with Cholelithiasis. [5]
2. (a) Define Congestive cardiac failure. [5]  
(b) Discuss the types and pathophysiology of Congestive cardiac failure. [5]  
(c) Write the management of patient with Congestive cardiac failure. [5]
3. (a) Define Psoriasis. [2]  
(b) Explain the management of patient with Psoriasis in detail. [8]
4. (a) Discuss the indications of Advanced Cardiac Life Support (ACLS). [4]  
(b) Write the management of patient with Ventricular fibrillation. [6]

5. **Write Short Notes on any FIVE of the followings :** [5x5=25]

- (a) Rheumatoid arthritis  
(b) Shock  
(c) Infection control practices in Operation theatre  
(d) Anaesthesia  
(e) End- stage renal disease  
(f) Role of nurse in Organ donation  
(g) Empyema
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**B.Sc.(N) [3<sup>rd</sup> Year]**

BF/2023/05

**Child Health Nursing**

[New Scheme w.e.f. 2006]

**Time : 3 Hours**

**Max Marks : 75**

*Note: 1.) Attempt all questions.*

*2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*

*3.) The Student must write O.P. Code in the space provided on the Title Page of the Answer Book.*

1. (i). (a) Enumerate changing trends in hospital care, preventive, promotive and curative aspects of Child health. [7.5]  
(b) Discuss principles of pre and post operative care of Infants and Children. [7.5]

**OR**

- (ii). (a) Describe in detail nursing management of Low Birth Weight Baby. [7.5]  
(b) Explain about Integrated Management of Neonatal and Childhood Illness (IMNCI). [7.5]

2. (a) Define Leukemia. [3]  
(b) Enumerate different types of Leukemias. [5]  
(c) Describe nursing care of a Child with Leukemia. [7]

3. (a) Define Nephrotic Syndrome. [2]  
(b) Describe in detail nursing management of a Child with Nephrotic Syndrome along with probable nursing diagnosis. [8]

4. (a) Define fracture. [3]  
(b) Describe nursing care of a Child with Fracture and Plaster cast. [7]

5. **Write short notes on any FIVE of the following :** [5x5=25]

- (a) Foreign body aspiration  
(b) Welfare services for challenged children in India  
(c) Internationally accepted rights of child  
(d) Grief and Bereavement  
(e) Baby friendly hospital concept  
(f) Cold chain  
(g) Importance of breast feeding
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**B.Sc.(N) [3<sup>rd</sup> Year]**

BF/2023/05

**Medical Surgical Nursing-II**

[New Scheme w.e.f. 2006]

**Time : 3 Hours****Max Marks : 75****Note: 1.) *Attempt all questions.*****2.) *NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*****3.) *The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book..*****1. (i) Mr. T, 50 years old Male with Ca Larynx was admitted in Oncology Ward. Answer the following :**

- (a) List down the risk factors of Ca Larynx. [5]
- (b) Explain the medical and surgical management of Mr. T. [5]
- (c) Discuss the nursing management of Mr. T. [5]

**OR****(ii) Mrs. B, 38 years old Female is a case of Burns admitted in the Ward. She has sustained burns to the back of the right arm, posterior trunk, front of the left leg, anterior head and neck, and perineum. Answer the following :**

- (a) Explain the Rule of Nine for calculation of percentage of Burns. [4]
- (b) Calculate the percentage for Mrs. B. [3]
- (c) Elaborate on the nursing management of Mrs. B. [8]

**2. Mr. EM is a case of Road traffic accident who comes to the Emergency with the complaints of injury to the head.**

- (a) What are the different types of head injury? [3]
- (b) What are the symptoms of head injury? [4]
- (c) Explain the medical and nursing management of Mrs. EM. [8]

**3. Describe briefly the following :**

- (a) Organophosphorus poisoning [5]
- (b) Defibrillation [5]

**4. Describe briefly the following :**

- (a) Invasive hemodynamic monitoring [5]
- (b) Role of family in the care of elderly [5]

**5. Write Short Notes on any FIVE :****[5x5=25]**

- (a) Occupational disorders
  - (b) ACLS
  - (c) Legal aspects in critical care
  - (d) Otitis media
  - (e) Side effects of radiotherapy
  - (f) Primary Assessment in Trauma
  - (g) Pelvic inflammatory disease
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**B.Sc.(N) [3<sup>rd</sup> Year]**

BF/2023/05

**Mental Health Nursing**

[New Scheme w.e.f. 2006]

**Time : 3 Hours**

**Max Marks : 75**

*Note: 1.) Attempt all questions.*

*2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*

*3.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. (i) (a) Define Dementia. [2]  
(b) Write the sign and symptoms of patient with Dementia. [3]  
(c) Explain the nursing management of a patient with Dementia. [10]

**OR**

- (ii) (a) Define Phobia. [2]  
(b) Write the sign and symptoms of Phobia patient. [3]  
(c) Discuss the nursing management of patient with Phobia. [10]

2. (a) Define E.C.T. (Electro- Convulsive Therapy). [3]  
(b) Write the indication of E.C.T. [6]  
(c) Explain the complication of E.C.T. [6]

3. (a) List the Psychiatric Emergencies. [4]  
(b) Discuss the nursing management of any one Psychiatric Emergency. [6]

4. (a) Write the difference between Psychosis and Neurosis. [5]  
(b) Discuss the qualities of a Psychiatric Nurse. [5]

5. **Write Short Notes on any FIVE of the following :-** [5x5=25]

- (a) Rights of mentally ill person  
(b) Admission and discharge procedure  
(c) Behaviour Therapy  
(d) Antimanic drugs  
(e) Mini- mental examination  
(f) Factors affecting communication  
(g) Principles of mental health nursing
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**B.Sc.(N) [3<sup>rd</sup> Year]**

BF/2023/05

**Nursing Research & Statistics****Time : 3 Hours**

[New Scheme w.e.f. Admission 2017-18]

**Max Marks : 75***Note: 1.) Attempt all questions.**2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.**3.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.**4.) Use of Simple Calculator is allowed.***SECTION-A**  
**(Nursing Research)****[50 Marks]**

1. Describe the following Research design: [5+5= 10]  
(a) Survey (b) Experimental
2. (a) **Discuss the meaning of following terms with reference to research:** [2+2+2= 6]  
(i) Target population (ii) Sampling criteria (iii) Data  
(b) Explain Data collection methods and instruments used. [9]
3. (a) Discuss various methods used for establishing reliability of Research tool. [4]  
(b) Explain types of Sampling techniques. [6]
4. **Write Short Notes on any THREE of the following :** [3x5=15]  
(a) Use of rating scale and its types (b) Non- experimental research design  
(c) Review of literature and bibliography (d) Steps of research process  
(e) Summarization of analysis

**SECTION-B**  
**(Statistics)****[25 Marks]**

5. (a) Discuss uses of Statistics in Nursing research. [3]  
(b) Explain various measures of Central tendency. [4]  
(c) Discuss about Frequency distribution and use of Graphical presentation of data. [4+4= 8]
6. (a) Describe the meaning of Level of Significance and Correlation. [3+2= 5]  
(b) Calculate mean and mode of following data: [5]  
  
18, 24, 36, 38, 44, 34, 28 ,  
18, 44, 30, 20, 10, 42, 20, 31  
  
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**B.Sc.(N) [4<sup>th</sup> Year]**

BF/2023/05

**Midwifery and Obstetrical Nursing**

[New Scheme w.e.f. 2006]

**Time : 3 Hours**

**Max Marks : 75**

*Note: 1.) Attempt all questions.*

*2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*

*3.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. (i) (a) What is Ectopic pregnancy. [2]  
(b) Enlist causes of Ectopic pregnancy. [4]  
(c) Discuss emergency management of Ectopic pregnancy. [9]

**OR**

- (ii). (a) Define Pre eclampsia. [2]  
(b) Mention clinical features of Pre eclampsia. [4]  
(c) Describe the management of Woman with Pre eclampsia. [9]
2. (a) Define Preterm labor. [2]  
(b) Mention the important causes of Preterm labor. [4]  
(c) Explain prevention and management of Preterm labor. [9]
3. (a) Define Puerperium. [2]  
(b) Explain the management of Normal Puerperium. [8]
4. (a) Enlist the objectives of Antenatal care. [2]  
(b) Explain in detail Physiological changes during Pregnancy [8]

5. **Write Short Notes on any FIVE of the following:-** [5x5=25]

- (a) Maternal mortality and morbidity  
(b) Fertilization  
(c) Reproductive and child health  
(d) Levels of neonatal care  
(e) Subinvolution  
(f) Partogram  
(g) Magnesium sulphate
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**B.Sc.(N) [4<sup>th</sup> Year]**

BF/2023/05

**Community Health Nursing-II**

[New Scheme w.e.f. 2006]

**Time : 3 Hours**

**Max Marks : 75**

*Note: 1.) Attempt all questions.*

*2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.*

*3.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. (i) (a) Explain Kartar Singh Committee recommendations. [5]  
(b) Elaborate roles and responsibilities of Health Assistant Female. [10]

**OR**

- (ii) (a) List down eight Psychotropic abusive substances. [2]  
(b) Discuss Substance abuse is a Public health problem. [5]  
(c) Explain measures for prevention of Substance abuse. [8]

2. (a) Explain Public health standards of Primary health centre. [8]  
(b) Explain qualities of Community health nurse. [7]

3. (a) Describe steps of testing Urine sugar and Albumin using Bag technique. [5]  
(b) Role of Redcross as a Voluntary health agency. [5]

4. (a) Referral System. [5]  
(b) Explain National Anti- malaria programme. [5]

5. **Write Short Notes on any FIVE of the following :** [5x5=25]

- a. Old age homes
- b. National blindness control programme
- c. Health insurance
- d. Bhole committee recommendations
- e. Information, Education and Communication (IEC)
- f. Medical measures for prevention of occupational diseases
- g. ICDS programme

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**B.Sc.(N) [4<sup>th</sup> Year]**

BF/2023/05

**Nursing Research & Statistics****Time : 3 Hours****[New Scheme w.e.f. 2006]****Max Marks : 75****Note: 1.) Attempt all questions.****2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.****3.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.****4.) Use of Simple Calculator is allowed.****SECTION-A****[50 Marks]****(Nursing Research)**

1. (a) Define Sampling. [2]  
 (b) List out any four Probability and four Non Probability sampling techniques. [4]  
 (c) Explain any two Probability sampling technique in brief. [4]
2. (a) Explain briefly steps of conducting Nursing Research. [8]  
 (b) Briefly discuss Interview as a method of data collection. [7]
3. Discuss the meaning of any **FIVE** of the following in relation to research : [5x2=10]  
 (a) Limitation (b) Reliability (c) Validity  
 (d) Research (e) Operational Definition (f) Type-2 Error  
 (g) Applied Research
4. Write Short Notes on any **THREE** of the following : [3x5=15]  
 (a) Sources of Data (b) Purposes of Pilot study  
 (c) Ethnography in brief (d) Need for research in Nursing  
 (e) Informed Consent

**SECTION-B****[25 Marks]****(Statistics)**

5. Write short note on any **THREE** of the following : [3x5=15]  
 (a) Normal Distribution Curve  
 (b) Methods of presenting data  
 (c) Measures of Dispersion  
 (d) Application of Biostatistics in Nursing Research  
 (e) Measures of Central Tendency
6. (a) Draw a histogram for the frequency distribution of the following data. [4]  

Class interval	20-25	25-30	30-35	35-40	40-45	45-50
Frequency	320	780	160	540	260	100
- (b) Calculate the Mean, Median and Mode of following data set. [2+2+2 = 6]  
 (i) Calculate the Mean of following data set  
 X= 1, 3, 5, 7, 9, 11, 13, 15, 17, 19  
 (ii) Calculate the Median of following data set  
 X= 32,6,21,10, 8,11,12,36,17,16,15,18,40,24,21,23,24,24,29, 16,32, 31,10,30,35,32,18, 39,12,20  
 (ii) Calculate the Mode of following data set  
 X= 21, 19, 62, 21, 66, 28, 66, 48, 79, 59, 28, 62, 63, 63, 48, 66, 59, 66, 94, 79, 19, 94

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**B.Sc.(N) [4<sup>th</sup> Year]**

BF/2023/05

**Management of Nursing Services and Education**

[New Scheme w.e.f. 2006]

**Time : 3 Hours****Max Marks : 75***Note: 1.) Attempt all questions.**2.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED /PROVIDED.**3.) The Student must write Q.P. Code in the space provided on the Title Page of the Answer Book.*

1. (i). (a) What is Delegation and discuss importance of delegation. [7]  
(b) Write down various methods of assessment in Nursing. [8]

**OR**

- (ii). (a) What is Leadership and its importance in Nursing management. [7]  
(b) Elaborate various Leadership styles. [8]

2. (a) What is Human resource management. [2]  
(b) Write down the factors affecting Staffing. [5]  
(c) Discuss elements of Human resource management. [8]

3. **Discuss role of a Nurse Manager in :**

- (a) Nursing Audit [5]  
(b) Maintenance of Equipment and Supplies [5]

4. (a) Write down the principles of writing Reports and Records. [5]  
(b) Discuss factors affecting Communication. [5]

5. **Write Short Notes on any FIVE of the following :** [5x5=25]

- (a) Motivation  
(b) Objectives of Nursing Management  
(c) Controlling  
(d) Public Relations  
(e) Guidance and Counseling  
(f) Continuing Education  
(g) Characteristics of a Professional Nurse
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