

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

BF/2021/06

Nursing Foundation

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

Time : 2 Hours

Max Marks : 35

- 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. **Explain briefly any TWO of the following :** [2x3=6]
(a) Concept of Health
(b) Community Oriented Nursing
(c) Nursing Needs of the Newborn
2. (a) Define Nursing Standards [1+2+2 =5]
(b) Effects of Stress on Person
(c) Concept of Family Oriented Nursing
3. **Answer any TWO of the following :-** [2x4=8]
(a) Legal Issues in Nursing
(b) Explain Tools for Assessment
(c) Discuss Meta-paradigm of Nursing
4. **Explain in brief any TWO of the following :-** [2x4=8]
(a) Role of Nurse in Primary Health Care
(b) Effects of Illness on the Person
(c) Professional Bodies in Nursing
5. **Write Short Notes on any TWO of the following :** [2x4=8]
(a) Expanded Role of the Nurse
(b) Nursing as a Profession
(c) Developmental Needs of Adolescents
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B.Sc.(N) [Post Basic (1st Year)]

BF/2021/06

Nutrition & Dietetics

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

Time : 2 Hours

Max Marks : 35

- 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. **Define the following :** [1x5=5]
a. Nutrition
b. Over Weight
c. Infant
d. Lactation
e. Meal
2. **Discuss the Dietary Management of any TWO of the following :** [3½x2=7]
a. Peptic Ulcer
b. Hypertension
c. Hepatitis
3. **Describe briefly any TWO of the following:** [3½x2=7]
a. Factors to be considered in Feeding of Premature Infants
b. Rutine Hospital Diets
c. Methods of Assessment of Nutritional Status of Individual
4. **Explain any TWO of the following :** [3½x2=7]
a. Macro- Micro Nutrients
b. PEM
c. Weaning Process
5. **Write Short Notes on any THREE of the following :** [3x3=9]
a. Need for School Lunch Programme in India
b. Fat Metabolism
c. Functions of Food
d. Therapeutic Diet for Fever Cases
e. Food Preservation
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B.Sc.(N) [Post Basic (1st Year)]

BF/2021/06

Biochemistry & Biophysics

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

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 O.P. Code in the space provided on the Title Page of the respective Answer Book.*

SECTION-A

[38 marks]

QP Code: PBN103

(Biochemistry)

1. (i) (a) Define Carbohydrates. [2]
(b) Classify Carbohydrates with examples. [3]
(c) Discuss digestion and absorption of Carbohydrates. [5]
- OR
- (ii) (a) Explain Neuroglycogenesis in detail. [5]
(b) Explain mechanism of action of Enzymes. [5]
2. (a) Describe Urea Cycle in detail. [5]
(b) Describe Biosynthesis of Proteins in the Cell. [5]
3. **Describe brief (Any TWO) :** [2x3=6]
(a) Discuss Water & Fluid Balance (b) Structure and Functions of Mitochondria
(c) Ketone Bodies and Utilization (d) Storage of Fats in the Body
4. **Write Short Notes on any FOUR of the following :** [4x3=12]
(a) Hypoglycemia
(b) Enzyme Profile in Cardiac Diseases (Myocardial Infarction)
(c) Oxidation Phosphorylation
(d) Role of Liver in Fat Metabolism
(e) Sources, properties and functions of Water in the Human Body
(f) Plasma Proteins and their Functions

SECTION-B

[37 marks]

QP Code: PBN104

(Biophysics)

1. (i) (a) Explain the concepts of Units and Measurement. [5]
(b) Explain Gravity and the effect of gravitational forces on Human Body. [5]
- OR
- (ii) (a) Write a note on Arterial and Venous Blood Pressure [2]
(b) Write a note on types and transformation of energy in Body. [3]
(c) Explain principles of Simple machine, its different types with their applications. [5]
2. (a) Discuss the relation between Speed, Velocity and Acceleration. [4]
(b) Discuss nature of heat and use of heat for Sterilization. [5]
3. **Describe briefly (Any TWO) :** [2x3=6]
(a) Biological effects of Light (b) Defective Vision and its Correction
(c) Flow of Electricity in Solids (d) Isotopes and Isobars
4. **Write Short Notes on any FOUR of the following :** [4x3=12]
(a) Osmotic Pressure (b) Pulley and Traction
(c) Vocalization and Hearing (d) Radiation Protection Units and Limits
(e) Pace Maker and Defibrillation (f) MRI Scanning
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B.Sc.(N) [Post Basic (1st Year)]

BF/2021/06

Psychology

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

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 Psychology. [2]
(b) List the methods of Psychology, explaining observation method. [5]
(c) Describe the Scope of Psychology. [8]

OR

- (ii) (a) Define Sensation, Perception and Attention. [6]
(b) Describe and differentiate between normal and abnormal Perception giving example. [3,4]
(c) Define Self- actualization. [2]
2. (a) Define Personality. [2]
(b) Describe the constituents of Personality. [5]
(c) Describe the various methods of Personality Assessment. [8]
3. (a) Define Motivation. Describe the social motives briefly. [5]
(b) Define Emotions. Briefly describe its role in illness. [5]
4. (a) Define Intelligence. [2]
(b) Describe the Levels of Mental Retardation. [3]
(c) Describe measurement of Intelligence. [5]

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

- (a) Warning signs of Poor Mental Health
(b) Differences between Classical conditioning and Operant conditioning
(c) Causes of Forgetting
(d) Factors that help in Learning
(e) Methods to improve Memory
(f) Factors affecting change in Attitude
(g) Role of heredity and environment in Personality and Intelligence

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

BF/2021/06

Microbiology

Time : 3 Hours

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

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.*

- 1A. **Give one word answer for the following:** [1x10=10]
- i. Specific media used for culturing Corynebacterium diphtheriae is _____.
 - ii. Spore with drum stick appearance is produced by which bacteria _____.
 - iii. BCG vaccine is used for prophylaxis against _____.
 - iv. AIDS is caused by _____ virus.
 - v. RNTCP programme is used for the treatment of _____.
 - vi. The scientific name of pork tape worm is _____.
 - vii. Cerebral malaria is most commonly caused by Plasmodium _____.
 - viii. Kala azar is transmitted by the bite of _____.
 - ix. Syphilis is caused by _____.
 - x. SARS- COV 2 virus has which type of genetic material _____.
- 1B. **Pick up the most app-ropriate answer :** [1x5=5]
- i. Which of the following is a killed vaccine :
 (a) Mumps vaccine (b) Measles vaccine (c) Rubella vaccine (d) Semple vaccine
 - ii. Aflatoxin is produced by :
 (a) Aspergillus flavus (b) Histoplasma (c) Sporothrix schenkii (d) Penicillum marneffi
 - iii. The drug of choice for typhoid is :
 (a) Ceftriaxone (b) Penicillin (c) Ampicillin (d) Tinidazole
 - iv. Which transmission- based precaution has to be followed while handling patients with chickenpox :
 (a) Standard precaution (b) Contact precaution (c) Droplet precaution (d) Airborne precaution
 - v. Large blood spillage should be disinfected with :
 (a) Phenol (b) Soap and water (c) Lysol (d) Hypochlorite
2. **Describe Briefly :** [5x3=15]
- (a) Hand hygiene
 - (b) Hospital Infection Control Committee (HICC)
 - (c) Pasteurization
3. **Write in detail with examples about the clinical methods of sterilization/ disinfection.** [10]
4. **Write note on :**
- (a) Passive Immunity [5]
 - (b) Hepatitis B Virus [5]
5. **Write Short Notes on any FIVE of the following:** [5x5=25]
- (a) Phenol Coefficient (Rideal Walker) Test
 - (b) Simple (Routine) Media
 - (c) Polymerase Chain Reaction
 - (d) COVID Vaccines
 - (e) Sequence of Doffing of PPE
 - (f) Post- exposure prophylaxis of HIV
 - (g) Antimicrobial Resistance
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B.Sc.(N) [Post Basic (1st Year)]

BF/2021/06

Maternal Nursing

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

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 Placenta Praevia. [2]
(b) Discuss its types. [4]
(c) Differentiate between Placenta Praevia and Abruptio Placenta. [4]
(d) Describe the management of Mother during labour with Placenta Praevia. [5]

OR

- (ii) (a) Define Post-partum Haemorrhage. [2]
(b) What are the causes of Atonicity of Uterous. List it. [5]
(c) How would you manage a Mother who has developed PPH after Placental Expulsion? [8]
2. (a) Define Third stage of labour. [2]
(b) Explain the physiological changes during 3rd stage of labour. [6]
(c) Describe the management of third stage of labour. [7]
3. **List the Nursing intervention of any TWO of the following :** [5x2=10]
(a) Hyper-emesis gravidarum in first trimester of pregnancy
(b) A Primipara mother & baby on 4th stage of labour
(c) Surgical induction of labour (ARM)
4. **Write about the following :-**
(a) Vacuum extraction [5]
(b) Polyhydramnios [5]
5. **Write Short Notes on any FIVE of the following :** [5x5=25]
(a) Permanent Methods of Family Planning
(b) Abnormalities of Placenta
(c) Magnesium Sulphate
(d) High Risk Pregnancy
(e) Occipito- posterior Position
(f) Foetal Circulation
(g) IUGR
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B.Sc.(N) [Post Basic (1st Year)]

BF/2021/06

Child Health Nursing

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

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) **Baby Seema, a one month old boy is admitted in Pediatric Surgical Ward with Tracheoesophageal Fistula (TEF).**

(a) Define TEF. Describe different types of TEF. [5]

(b) List the risk factors and preventive measures of TEF. [5]

(c) Discuss the post op nursing care for this Child. [5]

OR

(ii) **Baby Raju, aged 4 years, is diagnosed to have Asthma:**

(a) Discuss the causes of Asthma. [5]

(b) Describe the medical management of Asthma. [5]

(c) Describe the nursing interventions for Baby Raju. [5]

2. (a) Define Chronic Kidney Disease (CKD). [3]

(b) List the main symptoms and pathophysiology of CKD. [5]

(c) Discuss the medical and nursing management for CKD? [7]

3. **Write the nursing management for any TWO conditions:** [5x2=10]

(a) Acute Lymphocytic Leukemia

(b) Hydrocephalus

(c) Kerosene Poisoning

4. **Differentiate between any TWO :-** [5x2=10]

(a) Low birth weight baby and Preterm baby

(b) Pica and Bruxism

(c) Cataract and Glaucoma

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

(a) Methods of Heat Loss and Gain in Neonate

(b) Prevention of Accidents in Children

(c) Malnutrition in Children

(d) Mental Retardation

(e) Behavioural Disorders

(f) Cerebral Palsy

(g) Prevention of Infection in NICU

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

BF/2021/06

Medical Surgical Nursing

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

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 Pleural effusion and its causes. [4]
(b) List its signs and symptoms. [5]
(c) Write the nurses responsibilities during Thoracentesis. [6]

OR

- (ii) (a) Explain Acute pulmonary oedema. [2]
(b) Describe its pathophysiology. [5]
(c) Write the immediate medical and nursing management. [8]
2. (a) List the causes of Rheumatic heart disease (RHD). [4]
(b) Enumerate its signs and symptoms. [5]
(c) Explain medical and nursing management in RHD. [6]
3. (a) List the causes of Anaemia and its prevention. [5]
(b) Prepare Health education for prevention of AIDS. [5]
4. (a) Discuss the complications of Diabetes Mellitus. [5]
(b) Explain the management in Dehydration. [5]

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

- (a) Encephalitis
(b) Basic Life Support
(c) Colitis
(d) Hiatus Hernia
(e) Shoulder Dislocation
(f) Terminal Care
(g) Cardiac Arrest
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B.Sc.(N) [Post Basic (1st Year)]

BF/2021/06

English**Time : 3 Hours**

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

Max Marks : 75Note: 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 on any (ONE) of the following in about (450) words:** [15]

- (i) Social Services in Villages (ii) The Spirit of Youth
(iii) Sources of Happiness (iv) Beauties of Nature

2. You are a resident of Model Town, Delhi. You feel perturbed by the noise pollution created by some of your neighbours in the locality and others. Write a letter to the editor of a newspaper criticizing the indiscriminate use of loudspeakers. **OR** [10]

Write a letter to the Medical officer about the sanitary condition in the hospital. Invent necessary details.

3. **Write a paragraph in about (100) words on any (ONE) of the following topics:** [10]

- (a) Advertisements (b) Value of Newspapers
(c) Good Health (d) Patriotism

4. **Do as directed:**A. **Change the voice :** [5]

- (i) I have forgiven his fault (ii) We have locked our rooms
(iii) Who guides you? (iv) Sham wrote a letter
(v) Lata sang a song

B. **Fill in the blanks with correct Prepositions:** [5]

- (i) Come and sit _____ me. (ii) She writes _____ ink.
(iii) They came back _____ ten days. (iv) Chennai is _____ the south of India.
(v) She repented _____ her mistake.

C. **Change the Narration :** [5]

- (i) He said, "God is everywhere."
(ii) The teacher said, "The earth moves round the sun."
(iii) I said, "Two and two make four."
(iv) My friend said, "I am an early bird."
(v) He said, "Mohan writes a letter."

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

- (i) She is my cousin sister.
(ii) I saw two females.
(iii) He gave alen to the poor.
(iv) I like fruit.
(v) The road is closed for repair.

5. **Express your views on:** [10]

"Bleeding nose" **OR** Nursing as a Blessed Profession

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

Garbage is a great environmental hazard. It comes from various sources used paper, tiffin packages, plastic bags, ice-cream wrappers, bottle caps, fallen leaves from trees and many more. Garbage makes the premises ugly unkempt and breeds diseases.

A lot of trash that is thrown away contains material that can be recycled and reused such as paper, metals which can be sent to the nearest recycling centre or disposed off to the junk dealer. It also contains organic matter which can enrich soil fertility. A compost pit can be made at a convenient location where the refuse can be placed with layers of soil and an occasional sprinkling of water. This would help decomposition to make valuable fertilizer:

- (i) What happens to the disposed material at the recycling centre?
(ii) What does organic matter consist of?
(iii) Mention two things which help organic waste material to change into fertilizer in the compost pit?
(iv) Pick out from the passage word similar to meaning for 'waste material'- Two meaning.

QP Code: PBN201

B.Sc.(N) [Post Basic (2nd Year)]

BF/2021/06

Sociology

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

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) Define Social process. [2]
(b) Explain process of Social interaction. [5]
(c) Describe the difference between Competition and Cooperation. [8]

OR

- (ii) (a) Define Culture. [2]
(b) Explain the nature of Culture. [5]
(c) Explain diversity and uniformity of Culture. [8]

2. (a) Define Socialization. [2]
(b) Describe the interdependence of Individual and Society. [6]
(c) Define rural and urban community in India. [7]

3. (a) Define Social stratification. [3]
(b) Describe the difference between Class and Caste. [7]

4. (a) Define Marriage. [3]
(b) Describe the types of Marriage. [7]

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

- (a) Economic Organization
(b) Competition
(c) Conflict War
(d) Culture
(e) Child Abuse
(f) Rights of Women and Children
(g) Social Institution
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QP Code: PBN202

B.Sc.(N) [Post Basic (2nd Year)]

BF/2021/06

Community Health Nursing

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

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 Family Health Services (FHS). [5]
(b) Discuss concept and objectives of FHS. [5]
(c) Explain the principles while providing Family Health Services. [5]

OR

- (ii) (a) Explain organisation and administration of Health services in India. [8]
(b) Describe Health care delivery system at National level in India. [7]

2. (a) Define Experimental epidemiology. [5]
(b) List aims and objectives of Epidemiology. [5]
(c) Explain Epidemiological principles. [5]

3. (a) Discuss Implementation strategies under Family Welfare Programme. [5]
(b) Explain the training and supervision of Health care workers. [5]

4. (a) Define Communication. [2]
(b) Discuss principles for effective Communication. [4]
(c) Explain barriers in the process of Communication. [4]

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

- (a) Principles of Community Health Nursing
(b) National Plan for Health Education
(c) Scope of Family Health Services
(d) Community as a Unit of Service
(e) Health Team Concept at District Level
(f) Role of Health Personnels in the Community
(g) Application of Epidemiological Concepts in Community Health

B.Sc.(N) [Post Basic (2nd Year)]

BF/2021/06

Mental Health Nursing

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

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) Define Communication. Briefly describe the process of Communication. What are the barriers of effective Communication. [3+7+5= 15]

OR

- (ii) (a) Define Obsessive compulsive disorder. [3]
(b) What are the common OCDs ? [5]
(c) Briefly describe the nursing management of a patient suffering from Obsessive compulsive disorder. [7]
2. (a) Define Psychotherapy. [3]
(b) Enlist various therapeutic modalities used in Psychiatry. [5]
(c) Briefly describe the Milieu therapy. [7]
3. Briefly describe the National Mental Health Programme. [10]
4. (a) Define Bipolar disorder. [2]
(b) What are the clinical features of Depression ? [3]
(c) Discuss the nursing management of Depression. [5]
5. **Write Short Notes on any FIVE of the following:** [5x5=25]
- (a) Difference between Psychosis and Neurosis
(b) Difference between Psychiatric history taking and Medical history taking
(c) Mental health team and it's functions
(d) ICD- X
(e) Group therapy
(f) Classification of Mental Disorders
(g) Community Mental Health Agencies

QP Code: PBN204

B.Sc.(N) [Post Basic (2nd Year)]

BF/2021/06

Introduction to Nursing Education

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

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 AV Aids. [2]
(b) Write the purposes & types of AV Aids. [6]
(c) Discuss in brief about three dimensional Aids. [7]

OR

- (ii) (a) Discuss briefly aims of Education. [8]
(b) Write philosophy of Nursing education. [7]
2. (a) Define Teaching. [2]
(b) Enlist Clinical Teaching methods. [3]
(c) Explain any one method of Clinical Teaching in detail. [10]
3. (a) Discuss in brief the methods used for assessment of skills in Nursing education. [5]
(b) Write the characteristics of a Good lesson plan. [5]
4. (a) Explain the principles of Guidance and Counselling. [5]
(b) Explain how as a nurse educator will you manage disciplinary problems among Nursing students. [5]
5. **Write Short Notes on any FIVE of the following:** [5x5=25]
(a) Principles of Adult Learning
(b) Symposium
(c) Pamphlets & Leaflets
(d) Maintenance of School Records
(e) Computer Assisted Learning
(f) OSCE
(g) Essay Type Questions
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B.Sc.(N) [Post Basic (2nd Year)]

BF/2021/06

Introduction to Nursing Administration

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

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) Differentiate between Administration and Management. [4]
(b) Discuss the principles of Administration given by Henry Fayol. [5]
(c) Explain in brief the elements of Administration. [6]

OR

- (ii) (a) Define Personnel management. [2]
(b) Explain the process of Staff selection. [6]
(c) Explain the legal responsibilities of a Nurse. [7]
2. (a) Define Supervision. [2]
(b) Describe the principles of Supervision. [6]
(c) Explain the tools and techniques of Supervision. [7]
3. (a) Describe Quality control. [5]
(b) Discuss the role of nurse in Material management. [5]
4. (a) Define Job analysis. [2]
(b) Discuss the Patient assignment. [3]
(c) Explain the role of a nurse in Infection control in hospital setting. [5]

5. **Write Short Notes on any FIVE of the followings :** [5x5=25]
- (a) Leadership Styles
(b) Principles of Budgeting
(c) Group Dynamics
(d) Records & Reports
(e) Material Management
(f) Hospital Information System
(g) Nursing Audit
-