

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

BF/2025/07

**Applied Anatomy & Applied Physiology**

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

Note: 1.) Attempt all questions.

2.) USE SEPARATE ANSWER BOOK FOR EACH SECTION.

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: BNS101****[APPLIED ANATOMY]****Q1. Multiple choice questions (Choose the single best answer)****10x1=10**

- (i) Select the correct order for the path of Sperm where it travels from testes to outside the body.  
 A. Epididymis - Ductus Deferens - Ejaculatory Duct - Penis  
 B. Ductus Deferens - Epididymis - Ejaculatory Duct - Penis  
 C. Ejaculatory Duct - Ductus Deferens - Epididymis - Penis  
 D. Penis - Ductus Deferens - Epididymis - Ejaculatory Duct
- (ii) Inner most layer of Uterus.  
 A. Endocardium  
 B. Perimetrium  
 C. Mesometrium  
 D. Endometrium
- (iii) Which part of the brain is in charge of the body temperature and hunger?  
 A. Pons  
 B. Cerebellum  
 C. Thalamus  
 D. Hypothalamus
- (iv) Which of the following organs contains the 'Bundle of His'?  
 A. Heart  
 B. Brain  
 C. Kidney  
 D. Pancreas
- (v) Which of the following joints is immovable?  
 A. Synovial joint  
 B. Cartilaginous joints  
 C. Fibrous joint  
 D. Ball and Socket joint
- (vi) Intercostal muscles are attached with :  
 A. Ribs  
 B. Diaphragm  
 C. Neck  
 D. Abdomen
- (vii) Which layer of the integument is the most superficial layer?  
 A. Stratum corneum  
 B. Stratum granulosum  
 C. The hypodermis  
 D. The reticular dermal layer
- (viii) In which body cavity kidney is located :  
 A. Abdominal  
 B. Retro-pelvic  
 C. Pelvic  
 D. Thoraco-abdominal
- (ix) The Nerve that is responsible for the fine movement of the hand is :  
 A. Ulnar  
 B. Radial  
 C. Median  
 D. Post-interosseous
- (x) Which of the following muscular valve controls the flow of digestive juice from the hepatopancreatic duct to the duodenum?

- A. Semilunar valve  
B. Pyloric sphincter

- C. Sphincter of Oddi  
D. Ileocaecal valve

2

Q.2 (i) Describe structure of Central Nervous System.

1x6=6

OR

(ii) Describe the structure of Female Reproductive System with the help of diagram.

Q.3 Describe the following

3x5=15

- (a) Structure of bladder and its relations with other organs of urinary system  
(b) Types of bones and structure  
(c) Deltoid muscle and its implication in nursing

Q.4 Write short notes (Any three):

3x2=6

- (a) Ventricular System in Brain  
(b) Features of Cardiac muscles  
(c) Blood supply to the Heart  
(d) Structure of Ear  
(e) Liver

**SECTION-B**

[38 Marks]

**QP Code: BNS102**

**[APPLIED PHYSIOLOGY]**

Q1. Multiple choice questions (Choose the single best answer)

10x1=10

- (i) Which of the following chambers of the heart receives oxygenated blood?  
A. Left Atrium  
B. Left ventricle  
C. Right Atrium  
D. Right Ventricle
- (ii) The functional contractile unit of muscle contraction in striated muscle is :  
A. Myofibril  
B. I-band  
C. Sarcomere  
D. Z-band
- (iii) What type of basic tissue type is cartilage :  
A. Muscle  
B. Nervous tissue  
C. Cartilage  
D. Connective tissue
- (iv) Enzyme formed in the mouth is known as :  
A. Starch  
B. Amylase  
C. Lipase  
D. Insulin
- (v) Percentage of water in urine is generally about :  
A. 55%  
B. 95%  
C. 99%  
D. 59%
- (vi) PO<sub>2</sub> stands for :  
A. Pure Oxygen  
B. Pressure Oxygen  
C. Partial Oxygen  
D. Partial Pressure of Oxygen
- (vii) Which of these involve in chemical digestion of Proteins?  
A. Pancreatic amylase  
B. Trypsin  
C. Sucrose  
D. Pepsinogen

3

(viii) Normal breathing is called :

- A. Apnea
- B. Dyspnea

- C. Eupnea
- D. Hyperpnea

(ix) Sleep-awake cycle is maintained by :

- A. Melatonin
- B. Oxytocin

- C. Progesterone
- D. MSH

(x) Corpus luteum is the source of secretion of :

- A. LH
- B. Estradiol

- C. Estrogen
- D. Progesterone

Q2. (i) Describe mechanism of Urine formation.

1X7=7

OR

(ii) Describe composition of Blood.

Q3. Write short answers to the following:

3X5=15

- (a) Motor areas of Cerebral cortex
- (b) Spermatogenesis
- (c) Jaundice

Q4. Write very short answers (any three) to the following:

3X 2=6

- (a) Auditory pathways
- (b) Anterior Pituitary hormones
- (c) ECG
- (d) Process of Protein digestion
- (e) Functions of Liver
- (f) Functions of CSF

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

BF/2025/07

**Applied Sociology & Applied Psychology**

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

Note: 1.) *Attempt all questions.*

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

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

**SECTION-A**

[37 Marks]

**QP Code: BNS103**

**[APPLIED SOCIOLOGY]**

**Q1. Multiple choice questions (Choose the single best answer)**

10x1=10

- (i) A Reference group is a group which comprises of :  
A. Person interested in becoming its members  
B. The masses  
C. Those interested in exercising political power  
D. None of the above
- (ii) Caste and social mobility :  
A. Go hand in hand  
B. Are opposed to each other  
C. Just tolerate each other  
D. Neither complementary nor contradictory to each other
- (iii) Joint family system is on the decline, which is not the cause of its disintegration?  
A. Change from agricultural to industrial economy  
B. Increased influence of western society  
C. Increase in agricultural production  
D. None of the above
- (iv) What is the primary method of transmission for COVID-19?  
A. Contaminated water  
B. Mosquito bites  
C. Respiratory droplets  
D. Food contamination
- (v) Which of the following is a commonly abused substance?  
A. Caffeine  
B. Alcohol  
C. Antibiotics  
D. Vitamins
- (vi) Which of the following is a primary focus of clinical sociology?  
A. Understanding genetic factors in diseases  
B. Developing treatment plans for physical illnesses  
C. Applying sociological principles to solve social problems and improve well-being  
D. Conducting psychological assessments
- (vii) How has modernization impacted dietary habits?  
A. Increased consumption of traditional foods  
B. Reduced reliance on processed foods  
C. Increased consumption of fast foods and sugary drinks  
D. Decreased interest in eating outside the home
- (viii) Which of the following is NOT a type of disability?  
A. Intellectual disability  
B. Physical disability  
C. Financial disability  
D. Sensory disability

- (ix) Which of the following is an example of formal social control?  
 A. Peer pressure  
 B. Family expectations  
 C. Laws and regulations  
 D. Cultural norms
- (x) Which one of the following is a characteristic of a tribe?  
 A. Heterogeneity  
 B. Anonymity  
 C. Animism  
 D. Recorded history

- Q.2 (i) Discuss the significance of Sociology in Nursing.  
 (ii) Write a note on Cultural Lag.

2+4=6

Q.3 Write Short notes on any three of the following

3x5=15

- (a) Explain Voluntary Association  
 (b) Discuss major forms of marriage  
 (c) Mention features of class as form of Stratification  
 (d) Explain relation between Individual and Society

Q.4 Describe briefly (Any THREE) from the following :

3x2=6

- (a) Two functions of stratification  
 (b) Two functions of Joint Family system  
 (c) Major health problems in Urban Society  
 (d) Define social processes

## SECTION-B

[38 Marks]

**QP Code: BNS104**

**[APPLIED PSYCHOLOGY]**

Q1. Multiple choice questions (Choose the single best answer)

10x1=10

- (i) Which branch of psychology is primarily concerned with the connection between physical processes in the body and mental states?  
 A. Behavioral psychology  
 B. Psychoanalysis  
 C. Cognitive psychology  
 D. Psychobiology
- (ii) Sensation refers to:  
 A. The mental organization and interpretation of sensory information  
 B. The process of converting physical stimuli into neural signals  
 C. The awareness of an individual's emotions and thoughts  
 D. The ability to focus attention on specific sensory information
- (iii) Which of the following is a key characteristic of a mentally healthy person?  
 A. Avoiding problems and conflicts  
 B. Being able to cope with daily stresses and challenges  
 C. Ignoring emotions to remain rational at all times  
 D. Relying heavily on others for validation
- (iv) When someone redirects their emotions from a threatening object to a safer substitute, this defense mechanism is called:  
 A. Projection  
 B. Repression  
 C. Displacement  
 D. Rationalization
- (v) According to Freud's theory of personality, which part of the personality operates based on the pleasure principle?  
 A. Ego  
 B. Superego  
 C. Conscious  
 D. Id



- (vi) Which type of attention involves focusing on one specific task or stimulus while ignoring other distractions?  
 A. Sustained attention  
 B. Selective attention  
 C. Divided attention  
 D. Alternating attention
- (vii) Perception is best defined as:  
 A. The initial detection of sensory information  
 B. A physical reaction to a stimulus  
 C. The simple transmission of sensory data to the brain  
 D. The organization and interpretation of sensory input
- (viii) Which type of memory stores information briefly, usually for just a few seconds, after the stimulus is presented?  
 A. Short-term memory  
 B. Sensory memory  
 C. Long-term memory  
 D. Working memory
- (ix) Which theory of motivation suggests that people are driven to maintain a state of internal balance or homeostasis?  
 A. Incentive Theory  
 B. Expectancy Theory  
 C. Drive Reduction Theory  
 D. Self-Determination Theory
- (x) Who is known as the "Father of Psychology"?  
 A. Sigmund Freud  
 B. William James  
 C. Wilhelm Wundt  
 D. John B. Watson

- Q2.(i) Define communication and barriers of Communication.  
 (ii) Explain the types of Conflict.

4+3=7

Q3. Write short answers on (Any three) of the following:

3X5=15

- (a) Explain the types of Learning.  
 (b) List the various strategies for time management in nursing.  
 (c) Define defence mechanism. Explain 5 with examples.  
 (d) Explain the factor influencing attention.  
 (e) Stress Adaptation Model

Q4. Write very short answers (any three) to the following:

3X 2=6

- (a) Enlist the types of Psychological test.  
 (b) Explain Motivation with example.  
 (c) Write short note on Emotions.  
 (d) Define Personality.  
 (e) Define Aptitude.

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

BF/2025/01

**Applied Biochemistry and Applied Nutrition & Dietetics**

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

Note: 1.) *Attempt all questions.*2.) *USE SEPARATE ANSWER BOOK FOR EACH SECTION.*3.) *The Student must write separate Q.P. Code in the space provided on the Title Page of the respective Answer Book.***SECTION-A**

[25 Marks]

**QP Code: BNS201****[APPLIED BIOCHEMISTRY]****Q1. Multiple choice questions (Choose the single best answer)**

4x1=4

- (i) Ribosomes are the protein synthesizing machinery of the cell. Depending on the presence or absence of ribosomes endoplasmic reticulum is described as rough or smooth respectively. After release from ribosomes carbohydrate moiety of glycoprotein is attached in :  
 A. Peroxisome  
 B. Smooth endoplasmic reticulum  
 C. Rough endoplasmic reticulum  
 D. Golgi apparatus
- (ii) The cells dependent solely on glucose as an energy source are:  
 A. Muscle cells  
 B. Brain cells  
 C. Kidney cells  
 D. Liver cells
- (iii) If an individual has a vitamin B<sub>6</sub> deficiency, which of the following amino acids could still be synthesized?  
 A. Tyrosine  
 B. Alanine  
 C. Cysteine  
 D. Aspartate
- (iv) Which would be a property of all the major types of lipids in the membrane? :  
 A. They would be saponifiable in base and hydrolyzed in acid  
 B. They would have polar heads and non-polar tails  
 C. They would be composed of five-carbon units  
 D. They would be joined to each other through covalent bonds

**Q.2 Write SHORT notes on (any three) of the following :**

3x5=15

- (a) Management of type 2 diabetes mellitus  
 (b) Fatty acids and their classification  
 (c) Metabolism and absorption of proteins  
 (d) ABG normal values and steps of procedure

**Q.3 Write VERY SHORT notes on (Any three) of the following :**

3x2=6

- (a) HbA<sub>1c</sub>  
 (b) Proteinuria  
 (c) PSA & ACP  
 (d) Van Den Berg Test

**SECTION-B**

[50 Marks]

**QP Code: BNS202****[APPLIED NUTRITION & DIETETICS]****Q1. Multiple choice questions (Choose the single best answer)**

10x1=10

- (i) Which of the following is not millet?  
 A. Wheat

C. Jowar



- (8)
- B. Bajra
- D. Ragi
- (ii) Neurolathyrism is caused by which pulse (dal)?
- A. Kesari daal  
B. Yellow daal  
C. Black daal  
D. White daal
- (iii) Which one of the following is the test to check pasteurization?
- A. Lipase test  
B. Amylase test  
C. Phosphatase test  
D. Candling test
- (iv) Which milk borne disease is transferred by human handlers?
- A. Anthrax  
B. Cholera  
C. Cowpox  
D. Bovine TB
- (v) Symptoms like 'bow legs' or 'knock knees' indicate deficiency of which vitamin?
- A. Vitamin A  
B. Vitamin B  
C. Vitamin C  
D. Vitamin D
- (vi) Which of the following digestive enzymes is present in gastric juices?
- A. Pepsin  
B. Trypsin  
C. Chymotrypsin  
D. Peptidases
- (vii) Sign of good meat is?
- A. Color is dark purple  
B. Touch is slimy  
C. Touch is soft and firm  
D. Color is pale pink
- (viii) Flaky, paint dermatosis is clinical feature of which disorder?
- A. Khawshiorkor  
B. Marasmus  
C. Anaemia  
D. Obesity
- (ix) Which of the following is water soluble vitamin?
- A. Vitamin A  
B. Vitamin B  
C. Vitamin D  
D. Vitamin E
- (x) Mid day meal programme was initiated in
- A. 1962-63  
B. 1964-65  
C. 1966-67  
D. 1968-69

## Q2. ESSAY Type

1. Illustrate One day menu planning for a pregnant mother.

1x8=8

## Q3. Write SHORT answers on (Any Four) of the following:

- (a) ICDS  
(b) Difference between khawshiorkor and marasmus  
(c) Digestion, absorption and metabolism of proteins  
(d) Therapeutic diet in obesity  
(e) Five food group systems  
(f) Methods to prevent vitamin losses in food

4x5=20

## Q4. Write VERY SHORT notes on the following:

- (a) Sources of energy  
(b) Functions of vitamin A  
(c) Food hygiene  
(d) Exchange lists  
(e) Meal Planning  
(f) Weaning foods for 6month- 1 year infant

6X 2=12



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

BF/2025/01

**Nursing Foundation (I & II)**

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

Note: 1.) *Attempt all questions.*2.) *USE SINGLE ANSWER BOOK.*3.) *The Student must write separate O.P. Code in the space provided on the Title Page of the respective Answer Book.***Q1. Multiple choice questions (Choose the single best answer)****12x1=12**

- (i) All of the following are principles of record writing Except :  
A. Accurate  
B. Use standard abbreviation  
C. Error – free  
D. Data redundancy
- (ii) What is the primary purpose of an incident report?:  
A. Identifying risks  
B. Disciplinary action  
C. Staff evaluation  
D. Audiotape report
- (iii) Your patient says that the “Urinate night” and its affecting his daytime alertness. You would documents this as :  
A. Oliguria  
B. Dysuria  
C. Nocturia  
D. Polyuria
- (iv) The method used for administering medication into the ear is called :  
A. Instillation  
B. Inhalation  
C. Injection  
D. Infiltration
- (v) An immunologic reaction to a drug to which person has already been sensitized is known as :  
A. Drug tolerance  
B. Drug toxicity  
C. Drug allergy  
D. Drug intolerance
- (vi) Which is the most important route of excretion of drugs? :  
A. Kidney  
B. Exhaled air  
C. Saliva and sweat  
D. Feces
- (vii) Intradermal injection is given at an angle of :  
A. 15 degrees  
B. 45 degrees  
C. 30 degrees  
D. 90 degrees
- (viii) Which among the following abbreviations indicates ‘at bed time’ ?  
A. OD  
B. TD  
C. BD  
D. HS
- (ix) What is the primary goal of splinting a fracture?  
A. Reduce pain and swelling  
B. Provide support and immobilization  
C. Promote healing and prevent infection  
D. Minimize scarring and maintain aesthetics
- (x) The figure-of-eight bandage technique is commonly used for :  
A. Thumb injuries  
B. Shoulder injuries  
C. Ankle injuries  
D. Head injuries

- (xi) The normal range of pulse in adults is :  
A. 60-100 beats/minute  
B. 100-150 beats/minute

- C. 30-60 beats/minute  
D. 10-60 beats/minute

- (xii) What is the full form of LAMA?  
A. Leave against medical advice  
B. Leave and medication advice

- C. Leave along with medical application  
D. Leave against medication

**Q.2 Write any TWO ESSAY type questions on the following:**

2x15=30

- (a) (i) Define Pain.  
(ii) Factor influencing comfort.  
(iii) Discuss Nurses role in pain assessment and pain management.

(2+5+8=15)

- (b) (i) What is therapeutic diet?  
(ii) Explain the factors to be considered while planning a therapeutic diet.  
(iii) Give a health education on high protein diet.

(2+7+6=15)

- (c) (i) Define Hyperpyrexia.  
(ii) List and explain the types of fever.  
(iii) Prepare a Nursing care-plan for a patient with fever.

(2+7+6=15)

**Q.3 Write SHORT notes on any five of the following**

5x5=25

- (a) Principles of Body Mechanics  
(b) Roy's Adaptation theory  
(c) Qualities and functions of a nurse  
(d) First-aid in burns  
(e) Differentiate between medical and surgical asepsis  
(f) Explain the causes of pressure sores

**Q.4 Write VERY SHORT notes on the following :**

4x2=8

- (a) Describe health illness continuum.  
(b) Difference between ethics and values.  
(c) Enlist the factors affecting sleep.  
(d) State the hazards associated with immobility.

**B.Sc.(N) [3<sup>rd</sup> Semester]**

BP/2025/07

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(11)

**Applied Microbiology & Infection Control including Safety**

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

Note: 1.) *Attempt all questions.*2.) *USE SEPARATE ANSWER BOOK FOR EACH SECTION.*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: BNS301****[APPLIED MICROBIOLOGY]****Q1. Multiple choice questions (Choose the single best answer)****10x1=10**

- (i) Who discovered Penicillin :  
A. Alexander Fleming  
B. Louis Pasteur  
C. Robert Koch  
D. Joseph lister
- (ii) Bacterial capsule can be best demonstrated by :  
A. Gram staining  
B. Acid fast staining  
C. Negative staining  
D. Albert staining
- (iii) Lipopolysaccharide is component of cell wall of :  
A. Gram positive bacteria  
B. Gram negative bacteria  
C. Virus  
D. Fungi
- (iv) Blood culture bottle contains :  
A. BHI broth  
B. Peptone water broth  
C. Selenite F broth  
D. Alkaline peptone water
- (v) The smallest virus in size is :  
A. Picorna virus  
B. Parvo virus  
C. Hepatitis D virus  
D. Rhabdo virus
- (vi) Which antibody is elevated in acute infection :  
A. IgA  
B. IgM  
C. IgG  
D. IgE
- (vii) The person who harbours the infectious agent in the absence of any clinical symptoms and shed the organism to others is called :  
A. Patients  
B. Reservoir  
C. Carriers  
D. Infections
- (viii) Prozone phenomenon is due to :  
A. Antigen excess  
B. Both antigen and antibody excess  
C. Antibody excess  
D. None of these
- (ix) IPCC stands for :  
A. Infection prevention and Control Committee  
B. Infection Pediatrics and Central Committee  
C. Infection prolong and Central Committee  
D. None of above
- (x) Code for indicating the incidence of "FIRE" in a health care facilities :  
A. Orange  
B. Red  
C. Purple  
D. Blue

**Q.2 (i) Define Antibody. Name the various classes of immunoglobulins and describe in detail about the structure and function of IgG.**

**1x6=6**



OR

- (ii) Classify Mycobacteria. Discuss the laboratory diagnosis of Pulmonary tuberculosis.

(12)

Q.3 Write short notes on (any THREE) the following:

3x5=15

- (a) Different categories of Biomedical waste
- (b) Food poisoning
- (c) Bacterial growth curve
- (d) Hospital associated infection

Q.4 Write short notes on:

3x2=6

- (a) Pasteurization
- (b) Enriched media
- (c) Flagella

**SECTION-B**

[38 Marks]

**QP Code: BNS302 [INFECTION CONTROL INCLUDING SAFETY]**

Q1. Multiple choice questions (Choose the single best answer)

10x1=10

- (i) Healthcare-associated Infections :
  - A. increase the length of stay
  - B. increase healthcare costs
  - C. increase mortality
  - D. All the above
- (ii) People who have air born spreading infections should be kept in special rooms where the air is gently sucked out and not allowed to flow into the hallway. This room is called :
  - A. Negative pressure room
  - B. Isolation room
  - C. Positive airway pressure room
  - D. Separate specific room
- (iii) The formula for calculating the rate of catheter associated urinary tract infection per thousand urinary catheter days is :
  - A. Number of CAUTI / Number of patient days x 1000
  - B. Number of CAUTI / Number of catheter days x 1000
  - C. Number of CAUTI / Number of patients in the ward x1000
  - D. Number of patients in the ward / Number of CAUTI x1000
- (iv) Select the correct procedure in sequence for Removing the Personnel Protective Equipment's :
  - A. Gown, Mask or Respirator, Goggles or Face shield, Gloves, Wash hands or use an alcohol-based hand sanitizer immediately after removing all PPE
  - B. Gloves, Goggles or Face shield, Gown, Mask or Respirator, Wash hands or use an alcohol-based hand sanitizer immediately after removing all PPE
  - C. Mask or Respirator, Gloves, Goggles or Face shield, Gown, Wash hands or use an alcohol-based hand sanitizer immediately after removing all PPE
  - D. Gown, Wash hands or use an alcohol-based hand sanitizer immediately after removing all PPE, Mask or Respirator, Gloves, Goggles or Face shield
- (v) Chemical indicators are used to monitor whether the parameters to achieve sterilization have been met for a specific sterilization process. The commonly used chemical indicator are :
  - A. Indicator tape or indicator labels that are placed on the outside of a pack is used as a Indicator for checking the sterilization process
  - B. Spores is used as a Indicator for checking the sterilization process
  - C. Bacillus atrophaeus is used as a Indicator for checking the sterilization process
  - D. Geobacillus stearothermophilus is used as a Indicator for checking the sterilization process
- (vi) Bio Medical Waste of vial and broken ampoules should be discarded in :
  - A. Blue Dustbin
  - B. Red Dustbin
  - C. Black Dustbin
  - D. Puncture Proof Container

- (vii) Which is not a Core Elements of Hospital Antibiotic Stewardship Programs:
- A. Performed before the induction of anaesthesia
  - B. Performed before skin incision
  - C. Performed immediately after skin closure or before the patient leaves the operating theatre
  - D. All the above

- (viii) Which one is Goal Five in patient safety goals :
- A. Improve the safety of high-alert medications
  - B. Reduce the risk of patient harm resulting from falls
  - C. Ensure safe surgery
  - D. Reduce the risk of health care-associated infections

- (ix) Which pictograms help us to know that the chemicals are corrosive and it is harm to people or the environment?

A.



B.



C.



D.



- (x) As per NACO guideline the recommended treatment regimen for post exposure prophylaxis for HIV is :
- A. Acyclovir 500 mg + Efavirenz 600 mg once daily for 10 days
  - B. Zidovudine 1000 mg+ Lamivudine 600mg stat dose
  - C. Tenofovir 300mg + lamivudine 300mg+ Efavirenz 600 mg once daily for 28 days
  - D. All the above

Q2.

- (i) Write in brief about different types of Personnel Protective Equipment and its uses?

OR

1X7=7

- (ii) Discuss about Urinary tract infection bundle care.

Q3. Write short answers to (any THREE) of the following:

3X5=15

- (a) Write the steps of Hand washing techniques?
- (b) What safety measures you will follow when collecting a Blood sample from a patient?
- (c) How to prevent Multi drug resistance organism in Health care setting?
- (d) List down the six patient safety goals and explain in detail?

Q4. Write short answers on :

3X 2=6

- (a) Write notes on Antibiotic stewardship program.
- (b) What is incident reporting and what are the different types of incidents?
- (c) Write notes on response of a nurse in Fire accident in Hospital.



**B.Sc.(N) [3<sup>rd</sup> Semester]**

BF/2025/07

**Adult Health Nursing I**

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

Note: 1.) *Attempt all questions.*2.) *USE SINGLE ANSWER BOOK.*3.) *The Student must write separate Q.P. Code in the space provided on the Title Page of the respective Answer Book.***Q1. Multiple choice questions (Choose the single best answer)****12x1=12**

- (i) In CPR, which position should be provided to the victim?  
A. Supine  
B. Prone  
C. Left Lateral  
D. High Fowler
- (ii) Normal serum creatinine level in an adult is :  
A. 0.6 to 1.2 mg/dl  
B. 4.0 to 6.5 mg/dl  
C. 1.2 to 2.4 mg/dl  
D. 8.4 to 10.2 mg/dl
- (iii) In Neurogenic shock :  
A. Hypotension with Tachycardia  
B. Hypotension with Bradycardia  
C. Hypertension with Tachycardia  
D. Hypertension with Bradycardia
- (iv) A nurse is assessing a patient with Acute Kidney Injury (AKI). Which laboratory finding is expected?  
A. Decreased serum creatinine  
B. Increased hemoglobin levels  
C. Decreased potassium levels  
D. Increased blood urea nitrogen (BUN) and creatinine
- (v) What is the most common mode of transmission of TB?  
A. Contaminated food  
B. Blood transfusion  
C. Insect bites  
D. Airborne droplets
- (vi) Which is the most common type of Hernia?  
A. Umbilical  
B. Epigastric  
C. Inguinal  
D. Femoral
- (vii) Which is a skin disorder?  
A. Emphysema  
B. Pemphigus r  
C. Empyema  
D. Atelectasis
- (viii) Which is one of the cardinal sign of inflammation?  
A. Itching  
B. Sweating  
C. Cold  
D. Swelling
- (ix) Which vitamin is essential for collagen synthesis and wound healing?  
A. Vitamin A  
B. Vitamin B12  
C. Vitamin C  
D. Vitamin K
- (x) Nurse is observing the blood report of a patient and informed that the patient has Hyperkalemia. Which option is correct identify this condition:  
A. Serum Potassium 3.0 mmol/L  
B. Serum Potassium 6.0 mmol/L  
C. Serum Sodium 130 mmol/L  
D. Serum Sodium 150 mmol/L



15

- (xi) Tachypnea means :  
A. Respiratory rate above 20 per minute  
B. Respiratory rate below 20 per minute
- (xii) DOTS therapy used for the treatment of :  
A. AIDS  
B. Dengue fever

- C. Respiratory rate below 12 per minute  
D. Respiratory rate above 12 per minute
- C. Tuberculosis  
D. Leprosy

**Q.2 Write ESSAY type questions on the following:**

**2x15=30**

- (i) Define Osteoporosis. Discuss its pathophysiology. Write the medical and nursing management of patient suffering with Osteoporosis.
- (ii) Define Hernia. Enlist its types. Explain in detail about medical and nursing management of patient with inguinal hernia.

**Q.3 Write SHORT notes on any FIVE of the following**

**5x5=25**

- (a) Inflammation  
(b) Care of surgical patient  
(c) COPD  
(d) Peptic Ulcer  
(e) Myocardial Infarction  
(f) Diabetes mellitus  
(g) Psoriasis

**Q.4 Write (any FOUR) VERY SHORT notes on the following :**

**4x2=8**

- (a) Atherosclerosis  
(b) Asthma  
(c) Polycythemia  
(d) Shock  
(e) Pulmonary embolism

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

BF/2025/07

**Adult Health Nursing II**

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

Note: 1.) *Attempt all questions.*2.) *USE SINGLE ANSWER BOOK.*3.) *The Student must write separate O.P. Code in the space provided on the Title Page of the respective Answer Book.***Q1. Multiple choice questions (Choose the single best answer)**

12x1=12

- (i) Mr. X is diagnosed with a disorder involving the inner ear. Which of the following is the most common client complaint associated with a disorder in this part of the ear?
- A. Hearing Loss  
B. Pruritus  
C. Tinnitus  
D. To measure muscle growth
- (ii) Which activity below is allowed after cataract surgery?
- A. Bending  
B. Running  
C. Watching T.V.  
D. Swimming
- (iii) A client received a kidney transplant 2 months ago. He's admitted to the hospital with the diagnosis of acute rejection. Which of the following assessment findings would be expected?
- A. Hypotension  
B. Normal Body Temperature  
C. Decreased WBC  
D. Elevated Creatinine and BUN
- (iv) When caring for a patient who has been diagnosed with orchitis, the nurse will plan to provide teaching about :
- A. Pain management  
B. Emergency surgical repair  
C. Aspiration of fluid from scrotal sac  
D. Application of warm packs to scrotum
- (v) As the nurse providing care to a patient who experienced a full-thickness electrical burn you know to monitor the patient's urine for :
- A. Haemoglobin and myoglobin  
B. Free iron and WBCs  
C. Protein and RBCs  
D. Potassium and Urea
- (vi) During the emergent phase of burn management, you would expect the following lab values :
- A. Low sodium, low potassium, high glucose, low haematocrit  
B. High sodium, low potassium, low glucose, high haematocrit  
C. High sodium, high potassium, high glucose, low haematocrit  
D. Low sodium, high potassium, high glucose, high haematocrit
- (vii) A female client with cancer is receiving chemotherapy and develops thrombocytopenia. The nurse identifies which intervention as the highest priority in the nursing plan of care?
- A. Monitoring temperature  
B. Ambulation three times daily  
C. Monitoring the platelet count  
D. Monitoring for pathological fractures
- (viii) Mr. M has been diagnosed with bone cancer. You know this type of cancer is classified as :
- A. Sarcoma  
B. Lymphoma  
C. Carcinoma  
D. Melanoma
- (ix) One of the most common features of neurological disorders are Language deficits and are collectively known as :
- A. Alogias  
B. Anomias  
C. Aphasias  
D. Dysphasias



- 17
- (x) A nurse is caring for a client who is experiencing trouble with coordination and balance, spastic muscles, and numbness and tingling in the extremities. This client is most likely suffering from which of the following?
- A. Guillain Barre syndrome  
B. Myasthenia gravis  
C. Fibromyalgia  
D. Multiple sclerosis
- (xi) A patient who has an inhalation injury comes to the ER. On the initial assessment, the nurse notes that the patient is very confused and physically defensive. What do you think the client may be experiencing?
- A. Fear  
B. Anxiety  
C. Hypoxia  
D. Pain
- (xii) A systematic defence against antigens initiated by lymphocytes is called :
- A. A cross-reaction  
B. Inflammation  
C. An Immune response  
D. Septicaemia

**Q.2 Write ESSAY type questions on the following:**

**2x15=30**

- A (i) Mrs. Y, 45 years old patient admitted in the ENT ward and is diagnosed with Otitis Media. Define Otitis Media. Enumerate the causes of Otitis Media. Write the Collaborative Management of patient with Otitis Media. (2+3+10= 15)
- (ii) Mr. X, 55 Years old patient diagnosed with Acute Renal Failure (ARF). Enumerate the risk factors of ARF. Discuss the pathophysiology of ARF. Write the Collaborative Management of patient with ARF. (3+4+8= 15)
- OR**
- B (i) Mr. P, 52 years old patient admitted in the neurology ward and is diagnosed with Meningitis. Define Meningitis. Enumerate types of Meningitis. Discuss the pathophysiology of Meningitis. Write down nursing care plan (for 3 diagnosis) for a patient with Meningitis. (2+3+4+6= 15)
- (ii) Mr. R, 65 years old patient is admitted for cataract surgery. Define Cataract. Enumerate the risk factors of cataract. Write the Collaborative Management of patient with cataract. (2+4+9= 15)

**Q.3 Write SHORT notes on any FIVE of the following**

**5x5=25**

- (a) Glaucoma  
(b) Contraception  
(c) Chemotherapy  
(d) Age- related body changes  
(e) Ventilator  
(f) Parkinson's disease  
(g) Principles of critical care nursing

**Q.4 Write (any FOUR) VERY SHORT notes on the following :**

**4x2=8**

- (a) Warning signs of cancer  
(b) Hospice care  
(c) Prevention of HIV/ AIDS  
(d) Liposuction  
(e) Paraplegia



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

BF/2025/07

**Pharmacology & Pathology and Genetics**

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

Note: 1.) *Attempt all questions.*2.) *USE SEPARATE ANSWER BOOK FOR EACH SECTION.*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: BNS401****[PHARMACOLOGY]****Q1. Multiple choice questions (Choose the single best answer)****10x1=10**

- (i) Passage of drugs across cell membrane :  
A. By diffusion is independent of lipid solubility  
B. By facilitated diffusion is an energy dependent process  
C. By diffusion exhibits first order kinetics  
D. By pinocytosis is a carrier dependent process
- (ii) Rectal administration of drugs :  
A. Can be used in children for status epilepticus  
B. Completely avoids first pass metabolism  
C. Always provide reliable effects  
D. Should be avoided in terminally ill patients
- (iii) Which of the following drugs should be avoided in hepatic diseases?  
A. Aminoglycosides  
B. Cephalexin  
C. Vancomycin  
D. Propranolol
- (iv) Which statement describes 'Side effects' of a drug?  
A. Indirect consequences of prolonged action of the drug  
B. Result of excessive pharmacological action of the drug  
C. Unwanted but often unavoidable pharmacodynamic effects of the drug at therapeutic dose  
D. Result due to overdosage or prolonged action of the drug
- (v) Which of the following are drugs of choice for drug induced parkinsonism?  
A. Dopamine agonists  
B. Central anticholinergics  
C. COMT inhibitors  
D. MAO-B inhibitors
- (vi) Which of the following can be given by nasal route?  
A. Morphine  
B. Fentanyl  
C. Butorphanol  
D. Pethidine
- (vii) Absolute contraindication for Oral Contraceptive Pills :  
A. Age above 35 years  
B. Migraine  
C. Diabetes mellitus  
D. Moderate to severe hypertension
- (viii) The following is true about brand names :  
A. They are same as generic names  
B. One drug can have only one brand name in a country  
C. Brand names should not be suggestive  
D. One drug may have different brand names in different countries
- (ix) Use of charcoal in alkaloidal poisoning is an example of which form of antagonism :  
A. Chemical  
B. Functional  
C. Physical  
D. Receptor based

- (19)
- (x) What is the role of beta blocker in angina attacks?
- A. Dilates coronary artery
  - B. Reduces cardiac work and oxygen consumption
  - C. Acts by increasing flow in ischemia areas
  - D. Decreases exercise tolerance

Q.2 (i) Enumerate the steps in the management of Paracetamol poisoning. 1x7=7

OR

- (ii) Describe the drugs used in the management of Hypothyroidism.

Q.3 Write short answers to the following 3x5=15

- (a) Morphine
- (b) Ciprofloxacin
- (c) Drugs used in the management of Pulmonary Tuberculosis

Q.4 Write very short answers ( any three) to the following: 3x2=6

- (a) List four anticancer drugs
- (b) List four NSAIDS
- (c) List four antidepressants
- (d) List four diuretics
- (e) List four antipsychotics

**SECTION-B**

[25 Marks]

**QP Code: BNS402**

**[PATHOLOGY]**

Q1. Multiple choice questions (Choose the single best answer) 4x1=4

- (i) The anticoagulant used for ESR estimation by the Westergren method is :
  - A. Double oxalate
  - B. Heparin
  - C. Trisodium citrate
  - D. Fluoride
- (ii) What is the difference between a benign tumour and a malignant tumour?
  - A. Benign tumors are cancerous, and malignant tumors are non-cancerous
  - B. Benign tumors are encapsulated, and malignant tumors are invasive
  - C. Benign tumors metastasize, and malignant do not
  - D. Benign tumors grow faster than malignant tumors
- (iii) Bile pigments are breakdown products of \_\_\_\_\_ and are excreted in the bile :
  - A. Diabetes
  - B. Uric Acid
  - C. Ketones
  - D. Haemoglobin
- (iv) The tumour marker CA-125 is most commonly associated with :
  - A. Breast cancer
  - B. Ovarian cancer
  - C. Colon cancer
  - D. Lung cancer

Q.2 Write SHORT notes on (any three) of the following: 3x5=15

- (a) Prostatic hyperplasia
- (b) Pathological Changes in Renal Calculi
- (c) Cancer Cervix
- (d) Meningitis

Q.3 Write VERY SHORT notes on (Any three) of the following : 3x2=6

- (a) Fibroadenoma

- (b) CSF Examination  
(c) Methods of Collecting Urine specimen  
(d) Semen Analysis

[GENETICS]

[12 Marks]

**Q1. Multiple choice questions (Choose the single best answer)**

**3x1=3**

- (i) In males, the gene for colour blindness is located in \_\_\_\_\_ :  
A. X-chromosome  
B. Y-chromosome  
C. Both X and Y chromosomes  
D. Either X-chromosome or Y-chromosome
- (ii) A fully expressed allele is referred to as \_\_\_\_\_ :  
A. Homologous  
B. Heterozygous  
C. Dominant  
D. Recessive
- (iii) Name the type of cell division in which daughter cells receive an exact copy of chromosomes from the parent cell :  
A. Mitosis  
B. Cleavage  
C. Interphase  
D. Meiosis

**Q.2 Write SHORT notes on (any ONE) of the following :**

**1x5=5**

- (a) Impact of genetic condition on the Family

**OR**

- (b) Infertility

**Q.3 Write VERY SHORT notes on (Any two) of the following :**

**2x2=4**

- (a) Genetic testing  
(b) Down Syndrome  
(c) Mendelian theory of inheritance



**B.Sc.(N) [5<sup>th</sup> Semester]**

BF/2025/07

**Community Health Nursing including Environmental Sciences & Epidemiology**

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

Note: 1.) *Attempt all questions.*2.) *USE SINGLE ANSWER BOOK.*3.) *The Student must write separate O.P. Code in the space provided on the Title Page of the respective Answer Book.*

Q1. Multiple choice questions (Choose the single best answer)

12x1=12

- (i) In which year five year plan started :  
 A. 1961  
 B. 1941  
 C. 1930  
 D. 1951
- (ii) What is deforestation :  
 A. Development of land  
 B. Decline of rain  
 C. Development of forest  
 D. Decreasing of the forest area
- (iii) The person who sends the message is called :  
 A. Messenger  
 B. Sender  
 C. Message  
 D. Receiver
- (iv) The causative organism for whooping cough is :  
 A. Mosquito bite  
 B. *Bordetella pertussis*  
 C. Mycobacterium  
 D. Dog
- (v) Diabetes is a :  
 A. Communicable disease  
 B. Non- Communicable disease  
 C. Both A and B  
 D. None of the above
- (vi) Health education through exhibition is :  
 A. Community level approach  
 B. Mass level approach  
 C. Group level approach  
 D. Family level approach
- (vii) BCC stands for :  
 A. Behaviour Community Change  
 B. Behaviorally Changed Community  
 C. Behaviour Change Communication  
 D. None of the above
- (viii) The concept of Multipurpose workers in India was given by :  
 A. Bhore committee  
 B. Kartar Singh committee  
 C. Jungalwalla committee  
 D. Sharma committee
- (ix) The two basic categories of an ecosystem are :  
 A. Aquatic and terrestrial  
 B. Aquatic and forests  
 C. Lakes and ponds  
 D. Rivers and forests
- (x) Primary causes of water pollution are :  
 A. Plants  
 B. Animals  
 C. Human activities  
 D. Planets

- (xi) **In females onset of puberty is first marked by :**  
A. Menarche  
B. Pubarche  
C. Adrenarche  
D. Thelarche
- (xii) **Immunity present from birth is called :**  
A. Innate immunity  
B. Active immunity  
C. Passive immunity  
D. Acquired immunity

**Q.2 Write any TWO ESSAY type questions on the following: 2x15=30**

- (a) Define School Health Programme & explain the various aspects of school health programme in context of community health nursing? (5+ 10= 15)
- (b) Describe chain of referral system in community health services in India. (15)
- (c) (i) Discuss the process of Health Education. (5+10= 15)  
(ii) Explain the group methods of Health Education.

**Q.3 Write SHORT notes on any FIVE of the following 5x5=25**

- (a) Objectives of RCH  
(b) Importance of MTP ACT  
(c) Services at CHCs  
(d) Principles of Home Visit  
(e) Function of Health Team  
(f) Cohort Study

**Q.4 Write VERY SHORT notes on any FOUR of the following : 4x2=8**

- (a) Endemic  
(b) Communication  
(c) Family planning  
(d) Epidemiology  
(e) National Health Programme

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Total No. = 02 Pages

# B.Sc.(N) [5<sup>th</sup> Semester]

BF/2025/07

## Educational Technology/ Nursing Education

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

Note: 1.) Attempt all questions.

2.) USE SINGLE ANSWER BOOK.

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

Q1. Multiple choice questions (Choose the single best answer)

12x1=12

- (i) Which of the following type of philosophy uses observation as method of education :
- A. Naturalism and idealism  
B. Idealism and pragmatism  
C. Realism and naturalism  
D. Magnetism and realism
- (ii) In directive counselling :
- A. Whole responsibility of direction lies upon individual seeking help  
B. Moulding of the approach is done and best option is selected  
C. Drive out solution with discussion with in the group  
D. The counsellor is of main focus as he directs the individual
- (iii) Which of the following statements are true about summative assessment :
- i. It is the final assessment of students achievement at the end of the course  
ii. It provides feedback for improvement while instructions are in progress  
iii. It focuses on content in detail  
iv. Methods include project evaluation, term examination and final external examination
- A. i & iii  
B. ii & iii  
C. iii & iv  
D. i & iv
- (iv) which of the following is not the scope of assessment/ evaluation are :
- A. Selection of predecessor  
B. Feedback to student  
C. Feedback to teacher  
D. Motivation of learning activities
- (v) What are the tool for assessment of skills :
- A. Anecdotal records  
B. Critical incident records  
C. Practical examination  
D. all of the above
- (vi) Techniques of effective communication include :
- A. Using non-verbal cues  
B. Asking relevant questions  
C. Acknowledgement of message  
D. All of the above
- (vii) What are the determinants of curriculums :
- A. Resources  
B. Educational philosophies  
C. Political interest  
D. All of the above
- (viii) Hidden area of Johari window depicts are which is :
- A. known to self and others  
B. known to self only  
C. known to others only  
D. not known to self and others
- (ix) Most cost effective and practical approach to counselling is :
- A. Directive  
B. Non  
C. Impersonal  
D. elect

- (x) Television is : 24  
 A. Visual aid  
 B. Audio-visual aid  
 C. Audio aid  
 D. None of the above
- (xi) An object or device used by a teacher to enhance classroom instruction is known as :  
 A. Audio aid  
 B. Visual aid  
 C. Teaching aid  
 D. Activity aid
- (xii) Which type of small group presentation is often described as a conversation in front of an audience :  
 A. Panel discussion  
 B. Symposium  
 C. Forum discussion  
 D. None of the above

**Q.2 Write ESSAY type questions on any of the following:**

**2x15=30**

- (i) Define Education and Philosophy. Describe philosophy of nursing education. List principles in selection of assessment method and types. (8)
- (ii) Describe Teaching Styles. Enumerate factors that motivate the learner. Explain barriers to teaching learning process. (7)

**OR**

- (i) Define Curriculum Planning. Describe factors influencing curriculum development. (7)
- (ii) Define Lesson Plan. Explain principles of lesson planning. Prepare a nursing plan on any topic of your choice. (8)

**Q.3 Write SHORT notes on (any FIVE) of the following :**

**5x5=25**

- (a) Checklist and rating scales  
 (b) Discussion as method of teaching  
 (c) Flash cards  
 (d) Seminar  
 (e) Factors influencing clinical learning experience  
 (f) Guidance and counselling  
 (g) Mass media communication

**Q.4 Write VERY SHORT notes on (any FOUR) of the following :**

**4x2=8**

- (a) Educational/behavioral objectives  
 (b) Role play  
 (c) OSCE  
 (d) Bed side clinic  
 (e) Process of communication

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**B.Sc.(N) [6<sup>th</sup> Semester]**

BF/2025/07

**Child Health Nursing I & II**

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

- Note: 1.) *Attempt all questions.*  
 2.) *USE SINGLE ANSWER BOOK.*  
 3.) *The Student must write separate O.P. Code in the space provided on the Title Page of the respective Answer Book.*

**Q1. Multiple choice questions (Choose the single best answer)**

12x1=12

- (i) Management of attention deficit hyperactivity disorders (ADHD) child is :  
 A. Calm approach  
 B. Use simple instructions with the child  
 C. Reward the child for acceptable behavior  
 D. All of the above
- (ii) Inherited pattern of thalassemia is :  
 A. Autosomal recessive pattern  
 B. Autosomal dominant  
 C. X-linked recessive  
 D. X-linked dominant
- (iii) Hemophilia-A is due to deficiency of :  
 A. Coagulation factor - VIII  
 B. Coagulation factor - IX  
 C. Coagulation factor - X  
 D. Coagulation factor - XI
- (iv) All of the following are causes of hydrocephalus except :  
 A. Obstruction in flow of fluid  
 B. Interference with absorption of fluid  
 C. Leakage of CSF  
 D. Increased production of fluid
- (v) In newborn hearing assessment test done is :  
 A. BERA (Brain Stem Evoked Response Audiometry)  
 B. Tuning fork test  
 C. Bone conduction testing  
 D. Automated otoacoustic emission (AOAE) test
- (vi) Important complication of mumps in post pubertal male is :  
 A. Orchitis  
 B. Cryptorchidism  
 C. Decrease in libido  
 D. Decrease in androgen
- (vii) A thick grey pseudomembrane covering the throat and tonsils of children is seen in :  
 A. Rubella  
 B. Measles  
 C. Diphtheria  
 D. Pertussis
- (viii) Window period for HIV infection is :  
 A. 3-12 weeks  
 B. 8-20 weeks  
 C. 2 weeks- 6 months  
 D. 6 weeks- 12 months
- (ix) Route of transmission of corona virus infection is :  
 A. Blood  
 B. Droplet  
 C. Food  
 D. Water
- (x) Lack of safe water, poor sanitation and hygiene leads to risk of :  
 A. Hepatitis A  
 B. Hepatitis B  
 C. Hepatitis C  
 D. Hepatitis D
- (xi) Bloody stool is seen in :  
 A. Diarrhoea  
 B. Dysentery  
 C. Anal stenosis  
 D. Megacolon

(xii) Chelation therapy is given in :

- A. Leukemia
- B. Hemophilia

- C. Iron deficiency Anemia
- D. Thalassemia

**Q.2 Write ESSAY type questions on the following:**

**2x15=30**

- (i) Define Nephrotic syndrome. Explain the pathophysiology of nephrotic syndrome. Discuss the medical and nursing management of a child admitted with nephrotic syndrome.
- (ii) What is Rheumatic fever. Explain the Jone's criteria used for diagnosing rheumatic fever. Write the medical management and nursing care plan based on three priority nursing diagnosis for a child with rheumatic fever.

**Q.3 Write SHORT notes on any FIVE of the following**

**5x5=25**

- (a) Anti tuberculosis therapy
- (b) Principles of growth and development
- (c) Care of infant with meningitis
- (d) Club foot
- (e) Eating disorders in children
- (f) Childhood emergencies
- (g) Care of child with hydrocephalus

**Q.4 Write (any FOUR) VERY SHORT notes on the following:**

**4x2=8**

- (a) Poliomyelitis
- (b) Intussusception
- (c) Dengue Shock Syndrome
- (d) Restraints
- (e) Spina bifida

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**B.Sc.(N) [6<sup>th</sup> Semester]**

BF/2025/07

**Mental Health Nursing I & II**

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

Note: 1.) *Attempt all questions.*2.) *USE SINGLE ANSWER BOOK.*3.) *The Student must write separate Q.P. Code in the space provided on the Title Page of the respective Answer Book.***Q1. Multiple choice questions (Choose the single best answer)**

12x1=12

- (i) Lithium was first introduced for the treatment of Mania in :  
 A. 1938  
 B. 1949  
 C. 1952  
 D. 1955
- (ii) The following professionals are a part of the multidisciplinary team, except :  
 A. Psychiatric Nurse  
 B. Clinical Psychologist  
 C. Psychiatric Social Worker  
 D. Nurse manager
- (iii) After a successful presentation at an interview, Mr. David felt calm and relaxed, he stopped sweating and felt hungry, which part of his nervous system was activated?  
 A. Sympathetic  
 B. Parasympathetic  
 C. Somatic  
 D. Autonomic
- (iv) What is the meaning of restating?  
 A. Repeating the main thoughts expressed by the patient  
 B. Directing back the patient's ideas  
 C. Asking the patient to verify the nurse's understanding  
 D. All of the following
- (v) A patient is brought to the psychiatric OPD by his family members. On performing mental status examination patient's speech is found to shift rapidly from one topic to another. This can best be described as :  
 A. Loosening of association  
 B. Echolalia  
 C. Poverty of speech  
 D. Flight of ideas
- (vi) The drug of choice for mood disorder is :  
 A. Haloperidol  
 B. Imipramine  
 C. Lithium  
 D. Chlorpromazine
- (vii) Characteristic features of neurotic disorder include all the following, except :  
 A. Lacking insight  
 B. Subjective distress  
 C. Reasonably preserved behavior  
 D. Delusions and hallucinations
- (viii) "L' belle indifference" is seen in :  
 A. Dissociative disorders  
 B. Phobic disorders  
 C. Schizophrenic disorder  
 D. Bipolar affective disorders
- (ix) Relative of Mr. B brought him to psychiatry OPD with an application made out to the magistrate and got him admitted in the hospital. Mr. B got admitted under which type of admission?  
 A. Admission of mentally ill prisoner  
 B. Admission on voluntary basis  
 C. Admission under reception order  
 D. Admission under special circumstances

- (x) Which of the following is the main neurotransmitter involved in causation of schizophrenia? (20)
- A. GABA  
B. Glutamate levels  
C. Acetylcholine  
D. Dopamine
- (xi) The Indian Mental Health Act was passed in the year :
- A. 1912  
B. 1952  
C. 1980  
D. 1987
- (xii) Fear of being trapped in confined places is known as :
- A. Acrophobia  
B. Claustrophobia  
C. Algophobia  
D. Gamophobia

**Q.2 Write ESSAY type questions on the following:**

**2x15=30**

(i) **Elaborate on :**

**(2+8+5= 15)**

- a) Define Mania.  
b) List the etiology, types, clinical manifestation and psychopathology.  
c) Nursing management of a client with Mania.

(ii) a) Define Crisis intervention.

**(2+8+5= 15)**

- b) Write the principles of Crisis intervention.  
c) Discuss the techniques of Crisis intervention

**Q.3 Write SHORT notes on any FIVE of the following**

**5x5=25**

- (a) Theories of grieving process  
(b) Mental Health Team  
(c) Antabuse  
(d) Mc Naughten's Rule  
(e) Therapeutic nurse patient relationship  
(f) Anti depressants  
(g) Scope of mental health nursing

**Q.4 Write (any FOUR) VERY SHORT notes on the following :**

**4x2=8**

- (a) List any three types of Behavior therapy  
(b) What is Thought insertion  
(c) Mention any four clinical features of withdrawal syndrome  
(d) Narcolepsy  
(e) Indications of ECT



# B.Sc.(N) [6<sup>th</sup> Semester]

BF/2025/07

## Nursing Management & Leadership

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

Note: 1.) Attempt all questions.

2.) USE SINGLE ANSWER BOOK.

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

### Q1. Multiple choice questions (Choose the single best answer)

12x1=12

- (i) POSDCORB elements of administration was given by :  
A. Henry Fayol  
B. Watson  
C. Thomson  
D. Luther Gullick
- (ii) Which of the following is a win-win conflict resolution strategy?  
A. Competing  
B. Accommodating  
C. Collaborating  
D. Avoiding
- (iii) What type of budget will be used for the expenditure?  
A. Zero based budget  
B. Capital budget  
C. Salary budget  
D. Revenue budget
- (iv) Which of the following is the first stage in group development?  
A. Performing  
B. Storming  
C. Forming  
D. Adjourning
- (v) Which of the following is a benefit of telemedicine?  
A. Increased costs  
B. Reduced access to care  
C. Improved patient outcomes  
D. Increased travel time
- (vi) According to the 'Great man' theory key characteristics of great leader?  
A. Intelligence  
B. Charisma  
C. Courage  
D. None of the above
- (vii) Which type of communication exchange information with same group and organization?  
A. External communication  
B. Informal communication  
C. Vertical communication  
D. Horizontal communication
- (viii) Which of the following is NOT a principle of administration according to Henry fayol?  
A. Division of work  
B. Authority and responsibility  
C. Centralization  
D. Bureaucracy
- (ix) Which type of nursing audit aims to improve future nursing practice?  
A. Retrospective audit  
B. Concurrent audit  
C. Prospective audit  
D. Compliance audit
- (x) In ABC analysis, which group holds the largest number of items but the lowest value?  
A. Group-A  
B. Group-B  
C. Group-C  
D. Group-D



- (80)
- (xi) What is the primary purpose of controlling in management?  
A. Plan and organize  
B. Lead and motivate  
C. Monitor and correct  
D. Staff and direct
- (xii) Which organizational structure have chain of command and centralized decision making?  
A. Hierarchical structure  
B. Flat structure  
C. Matrix structure  
D. Team based structure

**Q.2 Write ESSAY type questions on the following:**

**2x15=30**

- (i) What is the concept of Management. Write down the principles of management. How will you maintain the quality of care in nursing services..
- (ii) Define Supervision. Write down the qualities of a good supervisor. what are the stages of group development.

**Q.3 Write SHORT notes on any FIVE of the following**

**5x5=25**

- (a) Healthcare delivery system of India  
(b) Principles of budgeting  
(c) Functions of hospital  
(d) Job responsibilities of a nursing officer  
(e) Nursing rounds  
(f) Human relations  
(g) Stress management

**Q.4 Write (any FOUR) VERY SHORT notes on the following :**

**4x2=8**

- (a) Nursing as a profession  
(b) Continuing education  
(c) Leadership  
(d) Philosophy of nursing  
(e) Power

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**B.Sc.(N) [7<sup>th</sup> Semester]**

BF/2025/07

**Community Health Nursing- II**

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

Note: 1.) *Attempt all questions.*2.) *USE SINGLE ANSWER BOOK.*3.) *The Student must write separate Q.P. Code in the space provided on the Title Page of the respective Answer Book.***Q1. Multiple choice questions (Choose the single best answer)**

12x1=12

- (i) Which infection is caused due to bacterial contamination from fecal matter in children?  
A. Rubella C. Measles  
B. Scabies D. Urinary tract infections (UTIs)
- (ii) Complete dilation of cervix occurs in which stage?  
A. First stage C. Third stage  
B. Second stage D. Fourth stage
- (iii) Term to describe the average number of children has born to a woman her reproductive years?  
A. Protection Rate C. Fertility Rate  
B. Growth Rate D. Morbidity Rate
- (iv) Which of the following is a part of physical barrier method?  
A. 2<sup>nd</sup> generation IUD C. Combined Pill  
B. Lactation Amenorrhea Method D. Diaphragm
- (v) Geriatric health screening is recommended for?  
A. Every Biyearly C. Every Monthly  
B. Every Weekly D. Every Year
- (vi) Disorder of thoughts and perception is seen in :  
A. Psychosis C. Delirium  
B. Dementia D. Schizophrenia
- (vii) Which of the following is NOT the part of Health Management Information System?  
A. Health records C. Inventory control  
B. Disease Monitoring D. Human Resource
- (viii) Panchayat Raj deals with which level in India?  
A. Centre Level C. State Level  
B. Village Level D. Urban Level
- (ix) The three R of waste prevention strategy is :  
A. Return, Reduce, Reuse C. Recollect, Return, Recycle  
B. Reduce, Recycle, Reuse D. Reduce, Recollect, Recycle
- (x) Enhancing food security and nutrition worldwide is the function of :  
A. United Nations C. FAO  
B. UNRWA D. World Bank

- (xi) Which of the following is NOT the part of manmade disaster?  
 A. Road traffic accidents  
 B. Bomb Blast  
 C. Cyclone  
 D. Civil warfare
- (xii) The prime factor to act in emergencies is :  
 A. Readiness  
 B. Coordination  
 C. Resourcefulness  
 D. Awareness

**Q.2 Write any TWO ESSAY type questions on the following: 2x15=30**

- (a) (i) Explain Occupational Diseases. (7+8= 15)  
 (ii) Role of a Nurse in Occupational Health Services.
- (b) (i) Explain difference between disaster preparedness and emergency preparedness. (7+8= 15)  
 (ii) Elaborate disaster response including emergency relief measures and lifesaving equipment.
- (c) (i) Define records and reports and write down principles of records and reports. (7+8= 15)  
 (ii) Explain capabilities and components of Electronic Medical records.

**Q.3 Write SHORT notes on any FIVE of the following 5x5=25**

- (a) Role of a Community Health Nurse in Geriatric health services  
 (b) RMNCH+A  
 (c) ESI Act  
 (d) Rashtriya Kishor Swasthya Karyakram  
 (e) Role and responsibilities of Mid-level health care provider  
 (f) Describe various methods of Population control

**Q.4 Write VERY SHORT notes on any FOUR of the following : 4x2=8**

- (a) Indian Red Cross Society.  
 (b) Demography.  
 (c) Mother and Child Tracking System.  
 (d) JHPIEGO.  
 (e) Youth friendly services.



**B.Sc.(N) [7<sup>th</sup> Semester]**

BF/2025/07

**Nursing Research and Statistics**

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

Note: 1.) *Attempt all questions.*

2.) *USE SINGLE ANSWER BOOK.*

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

[55 Marks]

**QP Code: BNS702**

**[NURSING RESEARCH]**

**Q1. Multiple choice questions (Choose the single best answer)**

**9x1=9**

- (i) What is the primary purpose of nursing research?  
A. To increase hospital revenue  
B. To generate knowledge to improve patient care  
C. To replace clinical judgment  
D. To promote medication sales
- (ii) The first step in the research process is :  
A. Data analysis  
B. Literature review  
C. Identifying the problem  
D. Selecting a tool
- (iii) The meaning of dependent variable is :  
A. Cause  
B. Both cause & effect  
C. Effect  
D. The sample size
- (iv) Ethical research must always involve:  
A. Financial rewards  
B. Large sample sizes  
C. Informed consent  
D. Placebos
- (v) What is an example of a qualitative research method?  
A. Randomized control trial  
B. Phenomenological study  
C. Correlational study  
D. Experimental design
- (vi) Sampling method where every member has an equal chance is :  
A. Convenience sampling  
B. Purposive sampling  
C. Random sampling  
D. Snowball sampling
- (vii) A quasi-experimental design lacks :  
A. An intervention  
B. Statistical analysis  
C. A control group or randomization  
D. A research problem
- (viii) An example of a data collection tool is :  
A. Sample  
B. Variable  
C. Questionnaire  
D. Hypothesis
- (ix) Pilot studies are conducted to :  
A. Save time  
B. Prevent publication  
C. Test feasibility of the main study  
D. Increase funding

**Q.2 ESSAY type questions.**

**2x15= 30**

- (i) Describe non-experimental research design in detail with suitable examples.
- (ii) Discuss the steps of nursing research process in detail.

**Q.3 Write short answers (any TWO) of the following:**

**2x5=10**

- (a) Research statement
- (b) Steps in literature review
- (c) Evidence based practice

**Q.4 Write very short answers ( any THREE) to the following:**

**3x2=6**

- (a) Types of Hypothesis
- (b) Define Nursing Research
- (c) Define reliability
- (d) Write Two important points of ethics in nursing research
- (e) Observation methods of data collection

**[STATISTICS]**

**[20 Marks]**

**Q1. Multiple choice questions (Choose the single best answer)**

**4x1=4**

- (i) Mean, median, and mode are measures of ?
  - A. Dispersion
  - B. Relationship
  - C. Central tendency
  - D. Validity
- (ii) What type of variable is blood pressure ?
  - A. Nominal
  - B. Ordinal
  - C. Interval
  - D. Ratio
- (iii) A p-value < 0.05 typically indicates :?
  - A. Non-significance
  - B. Statistical significance
  - C. Bias
  - D. Missing data
- (iv) Which test compares means of two groups?
  - A. Chi-square
  - B. T-test
  - C. Correlation
  - D. ANOVA

**Q.2 Write SHORT notes on (any TWO) of the following :**

**2x5=10**

- (a) Chi-Square Test
- (b) Normal Probability Curve
- (c) Find the Mean , Median and Mode of following data : 2,3,3,5,3,4,3,3,3,4,2,2
- (d) Importance of Statistics in Nursing Education

**Q.3 Write VERY SHORT notes on (Any three) of the following :**

**3x2=6**

- (a) List any Two data collection methods
- (b) Define Statistics
- (c) List down the Non-parametric tests
- (d) Define probability

**B.Sc.(N) [7<sup>th</sup> Semester]**

BF/2025/07

**Midwifery/ Obstetrics and Gynaecology Nursing-I & II**

[New Scheme w.e.f. 2021-2022]

Time : 3 Hours

Max Marks : 75

Note: 1.) *Attempt all questions.*2.) *USE SINGLE ANSWER BOOK.*3.) *The Student must write separate Q.P. Code in the space provided on the Title Page of the respective Answer Book.***Q1. Multiple choice questions (Choose the single best answer)****12x1=12**

- (i) Which of the following lead to greenish discoloration of the amniotic fluid?  
A. Lanugo  
B. Hydramnios  
C. Vernix  
D. Meconium
- (ii) Purple blue tinge of the cervix is?  
A. Hegar's sign  
B. Goodell's sign  
C. Chadwick's sign  
D. Mc Donald's sign
- (iii) The connection between umbilical vein and inferior vena cava in the fetal life is known as?  
A. Umbilical artery  
B. Ductus venosus  
C. Ductus arteriosus  
D. Pulmonary artery
- (iv) Fertilization occur at ?  
A. Ovary  
B. Fallopian tube  
C. Uterus  
D. Cervix
- (v) First fetal movement perceived by mother during pregnancy is known as ?  
A. Lightening  
B. Quickening  
C. Retraction  
D. Rotating
- (vi) The commonest presenting part in cephalic presentation is ?  
A. Vertex  
B. Foot  
C. Buttocks  
D. Face
- (vii) Formula used for calculating expected date of delivery :  
A. Johnson's formula  
B. Shepherd's formula  
C. Hadlock's formula  
D. Naegle's formula
- (viii) The part of the fetus which occupies the lower pole of the uterus is called as ?  
A. Presentation  
B. Position  
C. Presenting part  
D. Lie
- (ix) Suboccipitobregmatic diameter of fetal skull measures ?  
A. 9.5 cm  
B. 10 cm  
C. 11.5 cm  
D. 14 cm
- (x) The drug of choice in Eclampsia is ?  
A. Diazepam  
B. Phenargan  
C. Magnesium sulfate  
D. Phenobarbitone



- (xi) Hyperemesis gravidarum means?  
 A. Burning micturition  
 B. Severe type of diarrhea  
 C. Severe type of constipation  
 D. Severe type of vomiting in Pregnancy
- (xii) Presence of lambda or thin peak sign indicates ?  
 A. Dichorionic placenta  
 B. Monochorionic placenta  
 C. Diamniotic placenta  
 D. Monoamniotic placenta

**Q.2 Write any TWO ESSAY type questions on the following: 2x15=30**

- (a) Mrs. Anite, primigravida mother 28 years old came to emergency with complain of pain in abdomen since 3 hours. On examination, her P/V findings are C<sub>x</sub> Dilatation 3cm and station of head is -3. (2+6+7=15)  
 (i) Identify and define her in which state if labour?  
 (ii) Explain the physiological changes that occur in this stage of labour ?  
 (iii) Describe the management for Mrs. Anita in this stage of labour ?
- (b) Mrs. Divya, 21 year old woman with G<sub>1</sub>P<sub>0</sub>A<sub>0</sub>L<sub>0</sub> at POG 10 weeks came to OPD with complaint of pain in abdomen and leaking per vagina since 2 hours: (2+6+7=15)  
 (i) What could be her possible diagnosis and define it ?  
 (ii) Enumerate the causes of that particular condition ?  
 (iii) Discuss the management for Mrs. Divya ?
- (c) (i) Define Cesarean section ? (2+6+7=15)  
 (ii) Enlist the indications of Cesarean section ?  
 (iii) Describe the management of women with Cesarean section ?

**Q.3 Write SHORT notes on any FIVE of the following 5x5=25**

- (a) Trends of maternity care in India  
 (b) Physiology of menstrual cycle  
 (c) Father's engagement in maternity care  
 (d) Uterine fibroid  
 (e) Physiology of lactation  
 (f) Kangaroo mother care

**Q.4 Write VERY SHORT notes on any FOUR of the following : 4x2=8**

- (a) Maternal mortality rate  
 (b) Birth companion  
 (c) Role of nurse in gender based violence  
 (d) Differentiate between primary and secondary infertility  
 (e) Trends in Midwifery (any two)