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

BF/2016/03

#### Nursing Foundation

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

**Time : 2 Hours Max Marks : 35**

Note : Attempt all questions.

1. **Explain briefly any Two of the following** : [2x3=6]

 (a) Concept of Health.

 (b) Legal Issues in Nursing.

(c) Regulation of Nursing Practice.

2. (a) Define Nursing Evaluation. [2]

 (b) List the types of Nursing Care Plans. [2]

 (c) Explain the tools of Evaluation. [2]

3. (a) What are the goals in Community Oriented Nursing Care. [2]

 (b) Define Primary Nursing. [2]

 (c) Elaborate Barriers in Patient Teachings. [3]

4. **Explain in brief any TWO of the following** :- [2x4=8]

 (a) Nurse as Researcher.

 (b) Various Professional Bodies in Nursing.

 (c) Quality Care.

5. **Write Short Notes on any TWO of the following :** [2x4=8]

(a) Mal Practice.

 (b) Health Promotion.

 (c) Priorities of Care.

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

BF/2016/03

#### Nutrition & Dietetics

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

**Time : 2 Hours Max Marks : 35**

Note: Attempt all questions.

1. **Define the following** : [1x5=5]

 a. Malnutrition.

 b. Toddler.

 c. Pre- school age.

 d. Over weight.

 e. Psychology.

2. **Dietary Management of any TWO of the following :** [3½x2=7]

 a. Anaemia.

 b. Protein- energy malnutrition.

 c. Night Blindness.

 d. Diabetes.

3. **Explain any TWO of the following**: [3½x2=7]

 a. Nutritional needs for pregnant mother.

 b. Two macronutrients.

 c. Substitute for non- vegetarian diet.

4. **Describe briefly any TWO of the following** : [3½x2=7]

 a. Factors to be considered in planning dietary requirements for normal Infant.

 b. Fat soluble Vitamins.

 c. Selection of cheap and nutritious food.

5. **Write Short Notes on any THREE of the following** : [3x3=9]

 a. Minerals.

 b. National Nutrition Programme.

 c. Psychology of Infant.

 d. Sources of Carbohydrate and Recommended Daily Allowance.

 e. Role of Fat in the Body and Recommended Allowance.

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

BF/2016/03

#### Psychology

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

**Time : 3 Hours Max Marks : 75**

Note: Attempt all questions.

1. (i) (a) Define and describe what you understand by ‘Psychology’. [5]

 (b) Briefly explain the scope (sub-fields) of Psychology. [5]

 (c) Discuss the relevance of psychology in the field of nursing. [5]

**OR**

 (ii) (a) Define Sensation and Perception. [5]

 (b) Explain the determinants of attention. [5]

 (c) Differentiate between Illusion and Hallucination. [5]

2. (a) Define and describe the nature of Motivation. [5]

 (b) List the Biological and Social Motives. [5]

 (c) Describe the different types of Conflicts. [5]

3. (a) Describe briefly the Psycho-analytic theory of personality. [6]

 (b) Describe how personality can be assessed. [4]

4. (a) Describe the process of Memory. [5]

 (b) What are the factors that help in Learning. [5]

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

(a) Psychological needs of the Aged.

(b) Characteristics of a Mentally Healthy Person.

 (c) Defense Mechanisms.

 (d) Development of Attitudes.

 (e) Measurement of Intelligence.

 (f) Heredity and Environment.

 (g) Emotions in Illness.

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

BF/2016/03

#### Microbiology

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

**Time : 3 Hours Max Marks : 75**

Note: Attempt all questions.

1A. **Give one word answer of the following**: [1x10=10]

i. The causative organism of Anthrax is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

ii. Diphtheria is caused by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

iii. Whooping cough is caused by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

iv. Rabies is caused by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. Swine flu is caused by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Mumps is caused by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. Painless genital ulcers are caused by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. Hydatid disease is caused by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. Black water fever is caused by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. Leishmaniasis is caused by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1B. **Pick up the most appropriate answer** : [1x5=5]

i. Peptidoglycan is major constituent of cell wall of :

(a) Gram positive bacteria (b) Gram negative bacteria (c) Fungi (d) Protozoa

ii. Glutaraldehyde is useful for sterilization of :

(a) Cystoscopes (b) Bronchoscopes (c) Thermometers (d) All of the above

iii. Which is the commonest mode of transmission of HIV :

 (a) Sexual (b) Parenteral (c) Perinatal (d) Oral

iv. Which of the following antigens of hepatitis B virus is present in the envelope :

 (a) HBsAg (b) HBcAg (c) HBeAg (d) HBsxAg

v. Anaphylactic reactions are mediated by which class of Immunoglobulin :

 (a) IgE (b) IgM (c) IgA (d) IgD

2. (a) Define Ziehl Neelsen staining. [2]

 (b) Describe the chemical methods of sterilization. [3]

 (c) Zoonotic diseases. [4]

 (d) Discuss in brief about different vaccines. [6]

3. (a) **Define the following terms** :

 i. Disinfection. [1]

 ii. Hospital acquired infections [1]

 (b) Name various antigen- antibody reactions. [8]

4. (a) Anaerobic culture. [1]

 (b) Differential staining. [3]

 (c) Give differences between superficial mycoses & deep mycoses. [6]

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

 (a) Opportunistic fungal infections

(b) Ascariasis

(c) Bacterial capsule

(d) Skin test for immediate hypersensitivity

(e) Personal protective equipment

(f) Hand hygiene

 (g) Collection, handling and transportation of throat swab sample

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

BF/2016/03

#### Maternal Nursing

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

**Time : 3 Hours Max Marks : 75**

Note: Attempt all questions.

1. (i) (a) Define Ectopic Pregnancy. [2]

(b) Discuss factors that lead to Ectopic Pregnancy. [5]

 (c) Write medical, surgical and nursing management of mother with Ectopic

Pregnancy. [8]

 **OR**

 (ii) (a) Post partum Haemorrhage. [2]

 (b) Discuss causative factors of PPH. [5]

(c) Write nursing management of a mother having PPH. [8]

2. (a) Nursing management of Low birth weight baby. [5]

(b) Discuss essential care of New born. [5]

3. (a) Define third stage of Labour. [2]

 (b) Discuss physiology of third stage of Labour. [5]

(c) Nursing management of mother in third stage of Labour. [8]

4. (a) Discuss legislation related to maternity benefits. [5]

(b) Giving and suturing of Episiotomy. [5]

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

 (a) Planned Parenthood.

 (b) Structure of Ovary.

 (c) Management of New born of HIV positive mother.

 (d) Phototherapy.

 (e) Burn Marshal method.

 (f) Prostaglandins.

 (g) Counselling of Infertile Family.

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

BF/2016/03

#### Medical Surgical Nursing

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

**Time : 3 Hours Max Marks : 75**

Note : Attempt all questions.

1. (i) (a) Define Asthma. [2]

 (b) Discuss its pathophysiology. [4]

(c) Write down the clinical manifestations and diagnostic evaluation of Asthma. [4]

1. Discuss the Nursing Management of a patient with cardio myo pathy and

prepare a Nursing care plan. [5]

**OR**

 (ii) (a) Define Cholecystitis. [2]

(b) Write down its etiological factors and pathophysiology. [4]

 (c) What are the complications of Cholecystitis. [4]

(d) Discuss the Nursing Management of a patient with Cholecystitis including two nursing diagnosis that are priority in such a patient. [5]

2. (a) Define Osteoporosis. [2]

 (b) Write down the etiological factors of Osteoporosis. [4]

 (c) Describe the pathophysiology of Osteoporosis. [4]

(d) Elaborate the management in Osteoporosis. [5]

3. (a) What are the causes and clinical manifestations of Diabetes Insipidus. [5]

 (b) Describe the management of a patient with Diabetes Insipidus. [5]

4. (a) Explain about different types of dialysis procedures. [5]

(b) Elaborate management of a patient in end stage Renal Failure. [5]

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

 (a) Incontinence.

 (b) Meningitis.

 (c) Hypertension.

 (d) Vesico-vaginal Fistula.

 (e) Ca Cervix.

 (f) Rhinitis.

 (g) Adrenal Crisis.

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

BF/2016/03

#### Child Health Nursing

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

**Time : 3 Hours Max Marks : 75**

Note : Attempt all questions.

1. (i) (a) Define Neonate. [2]

 (b) Describe nursing care of a Neonate. [7]

 (c) Write hospital environment for a Sick Child. [6]

**OR**

 **(**ii**)** (a) Describe characteristics of Low birth weight baby. [5]

 (b) Explain Kangaroo Mother Care. [5]

 (c) Write National Policy and Legislations in relation to Child health and welfare. [5]

2. (a) Define Meningitis. [2]

 (b) Enlist clinical features of Meningitis. [3]

 (c) Discuss Pathophysiology of Meningitis. [5]

 (d) Explain nursing management of child with Meningitis. [5]

3. (a) Define Juvenile Diebetes Mellitus. [2]

 (b) Enlist sign and symptoms of Juvenile Diebetes Mellitus. [3]

(c) Write nursing management of child with Juvenile Diebetes Mellitus. [5]

4. **Describe nursing management for following conditions of any two** :

 [5x2=10]

 (a) Diarrhoea in children.

 (b) Conjunctivitis in children.

 (c) Thalassemia in Children.

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

 (a) Modern concept of child care.

 (b) Drowning.

 (c) Phototherapy.

 (d) Prevention of Nutritional deficiency disorders in children.

 (e) Hip dislocation.

 (f) Physical changes during Adolescence.

 (g) Cleft lip and cleft palate.

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

BF/2016/03

#### Biochemistry & Biophysics

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

**Time : 3 Hours Max Marks : 75**

*Note: Attempt all the questions.*

***USE SEPARATE ANSWER SHEETS FOR EACH SECTION.***

 **SECTION-A [38 marks]**

 **(Biochemistry)**

1. (i) (a) Epimerism. [2]

 (b) Essential Amino Acid. [4]

 (c) Phospholipids and their significance. [4]

**OR**

 (ii) (a) Define enzymes and classify them. [2]

 (b) Digestion and absorption of lipids. [4]

 (c) Competitive inhibition of enzymes. [4]

2. (a) Malabsorption syndrome. [2]

 (b) Functional classification of Proteins. [4]

 (c) Oxidative Phosphorylation. [4]

3. **Describe brief (Any TWO)** : [2x3=6]

 (a) GTT (b) Amphibolic role of TCA

(c) Glycosidic bond (d) Inhibitors of ETC

4. **Write Short Notes on any FOUR of the following** : [4x3=12]

 (a) Gluconeogenesis.

(b) Role of 2, 3-DPG in body.

(c) Energetics of B-oxidation of palmitic acid.

 (d) Hypoglycemia.

(e) Glycogen storage disease.

(f) First step of urea cycle.

 **SECTION-B [37 marks]**

**(Biophysics)**

1. (i) (a) Specific Heat. [2]

 (b) What is Derived units ? What are units of weight and time ? [4]

 (c) What are principles of friction and body mechanics ? [4]

**OR**

 (ii) (a) Discuss regulation of body temperature. [2]

 (b) What are speed, velocity and acceleration ? [4]

(c) Principles of gravity. [4]

2. (a) Uses of ultrasound. [2]

(b) What is relationship between energy, frequency and wavelength of light. [3]

 (c) Discuss flow of electricity in solids and electrolytes. [4]

3. **Describe briefly (Any TWO)** : [2x3=6]

 (a) Lever and Body mechanism (b) Hydrostatic and osmotic pressure

 (c) X-rays and their role in nursing (d) CT-Scan.

4. **Write Short Notes on any FOUR of the following** : [4x3=12]

 (a) ECG (b) Radioactivity

(c) Gravity (d) Relative humidity

(e) Intracranial Pressure (f) Sound

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

BF/2016/03

#### English

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

**Time : 3 Hours Max Marks : 75**

Note : Attempt all questions.

1. **Write an Essay on any (ONE) of the following in about (450) words**: [15]

 (i) Morning Walk (ii) Happiest day of my life

 (iii) A visit to a Zoo (iv) Nursing a noble profession

1. Write a letter to your Principal for leave to attend the marriage ceremony of your brother. [10] **OR**

Write a letter to your friend congratulating her on her marriage.

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

 (a) Union is Strength (b) My Best Teacher

 (c) Value of Hundred Rupee (d) My First Day at Nursing College

4. **Do as directed**:

 A. ***Change the voice :***[5]

 (i) He wrote a letter. (ii) He gave me food.

 (iii) The devotees garlanded the lord (iv) She received a cheque of rupees one thousand.

 (v) Sunita sang a song.

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

 (i) Let us hope \_\_\_\_\_\_ the best. (ii) You must take care \_\_\_\_\_\_\_\_ your health.

 (iii) Alcohol is injurious \_\_\_\_\_ health. (iv) He died \_\_\_\_\_\_\_\_\_ an accident.

(v) She is sitting \_\_\_\_ the tree.

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

 (i) He says, “I am ready”.

 (ii) He said, “The flood had destroyed their fields”.

 (iii) Raju said, “I wrote a letter”.

 (iv) The teacher said, “Arun, you should try hard”.

 (v) Arun said to Amit, “I want your pen”.

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

 (i) We discuss about the plan in detail.

(ii) I owe to you some money.

 (iii) Children likes to play with toys.

 (iv) You should alway obey rule.

 (v) I always draw a line by scale.

5. **Express your views on** : “Role of an Oncology Nurse”.

 **OR** [10]

 Role of Nursing Council.

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

 Drug, chemical or other substances that alters the function of an organism. Such chemicals are used for the prevention, treatment, and alleviation of disease. The term "medicine"(such as in prescription- only medicine) is sometimes used to distinguish therapeutic drugs from recreational and other drugs, such as opiates, which are used illegal. This article covers therapeutic drugs- for information about other drugs, see drug dependence. The study of action of drugs in the human body is called pharmacology. The use of drugs dates from prehistoric times; the first list of drugs with instructions for preparation, called a pharmacopoeia, appeared in 1546 in Nuremberg, Germany. Drugs can be derived from plant, mineral, animal, or synthetic sources. Many early folk medicines, including aspirin, digitalis, ergot, opium, and quinine were derived from plants. Minerals used as medicines include Boric acid, Epsom salts and Iodine. Many hormones used to treat a bodily malfunction- such as insulin for diabetes, or growth hormone to promote proper human development- may be obtained from animals. Some newer and gesic (pain killing), sedative, psychoactive and anesthetic drugs have been developed entirely by chemical analysis and many substances formerly obtained from animals, plants or other organisms are now made synthetically. Some of the newest drugs are produced by biotechnology or genetic engineering.

 (i) What is meant by the term medicine?

 (ii) What do you mean by drug dependence?

1. What is pharmacopoeia?
2. What are the sources of various medicines?
3. Name three minerals used as medicine?