

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

BF/2007/12

Psychology

M.M. : 70

Time : 3 Hours.

Note: Attempt all questions.

- a. Explain the concept of Mental hygiene. [8]
 - b. Write characteristics of mentally healthy person. [4]
- a. Explain any one theory of Learning with examples. [6]
 - b. What is Intelligence & how it can be tested. [6]
- a. Describe the factors affecting Personality development. [8]
 - b. Explain the psychological needs of Chronically ill patient. [4]
- a. Explain Sensation and Perception. [6]
 - b. Describe normal and abnormal Perception. [6]
5. Explain Learning and conditions of Learning with examples. [10]
6. **Write short notes on any THREE of the following:** [3x4=12]
 - a. Attitudes and their modification.
 - b. Motivation.
 - c. Scope of Psychology in health .
 - d. Effect of Illness on Memory.

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Child Health Nursing**M.M. : 70****Time : 3 Hours.***Note: Attempt all questions.*

1. Define Congenital Megacolon. Enlist the clinical features of Congenital Megacolon. Describe the surgical and nursing management of a child with Congenital Megacolon. [2+3+3+7=15]
 2. Write objective based nursing management of children having following disorders: [2x7¹/₂=15]
 - a. Hemophilia.
 - b. Diarrhoea.
 3. Mohit, 8 months old Infant is diagnosed as a case of Pneumonia.
 - a. Define Pneumonia. [2]
 - b. Describe pathophysiology of Pneumonia. [5]
 - c. Write the nursing management specifying nursing assessment, diagnosis, objective & intervention for Mohit. [8]
 4.
 - a. Define Low birth weight neonate. [2]
 - b. Differentiate between Preterm and Small for date neonate. [2]
 - c. Write role of neonatal nurses in prevention of hypothermia and meeting fluid & nutritional requirement of Low birth weight neonate. [6]
 5. Write short notes on any THREE of the following: [3x5=15]
 - a. Legislation in relation to child welfare.
 - b. Hospital environment for a sick child.
 - c. Immunisation schedule.
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Nursing Foundation

M.M. : 35

Time : 2 Hours.

Note: Attempt all questions.

1.
 - a. Describe the society's influence on nursing. [5]
 - b. Enumerate the roles and functions of the nurse. [5]

 2.
 - a. Enlist the nurses codes of ethics. [5]
 - b. Enlist factors influencing health belief and practices. [5]

OR

 - a. Describe the nurse's effect on client's self concept. [5]
 - b. Enlist the self concept-developmental tasks during 12-20 yrs. [5]

 3.
 - a. Discuss the importance of Peplau's theory in nursing practice. [4]
 - b. Enlist the various methods of data collection. [4]
 - c. Describe the indicators of quality in nursing. [4]
 - d. Enumerate the physiological indicators of Stress. [3]
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Biochemistry & Biophysics

M.M. : 70

Time : 3 Hours.

Note: Attempt Three questions from each Section. Question No. 1 of each Section is Compulsory.

Use Separate Answer sheets for each Section.

SECTION-A
(Biochemistry)

1. Attempt any FIVE of the following: [3x5=15]
 - a. Deficiency of essential fatty acids leads various pathological problems?
 - b. Explain the differences between elements, compounds and mixture?
 - c. What are the functions of Proteins?
 - d. Define Dialysis and its application in medicine?
 - e. Enzymes act as biocatalysts.
 - f. Explain good and bad Cholesterol?
 - g. Complications of uncontrolled Diabetes.
2. Describe the absorption of Iron and Glucose. [10]
3. How are Enzymes important in clinical diagnosis? List the precautions to be taken in the above enzyme estimation and give few examples. [10]
4. Write short notes on any TWO of the following [5+5=10]
 - a. Plasma buffers.
 - b. Galactosemia.
 - c. Liver function tests.
 - d. Kidney function test.

[P.T.O.]

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SECTION-B
(Biophysics)

1. Explain briefly any FIVE of the following: [3x5=15]
 - a. Running hot water over a metal cap.
 - b. Soap as an effective cleansing agent.
 - c. Capillary is used for determining clotting time.
 - d. A large basin of water is kept close to the body while carrying.
 - e. Woolen and Silk materials are not used in the operation theatre.
 - f. Rubber tips at the bottom of crutches.
 - g. Gauge is used in surgical dressing.
 - h. Water mattress in patients with bed soars.

 2.
 - a. What type of Muscular activity is involved in maintenance of posture. [4]
 - b. Why does the strength of muscle contraction increase with the increase in the strength of the Stimulus? [6]

 3.
 - a. Discuss the different types of Lenses used for the correction of Vision. When are these lenses required? [6]
 - b. Comment on 'Eye as a lens'. [4]

 4. Write short notes on any TWO: [2x5=10]
 - a. Heart rate and contractility of the heart increase when we stand up rapidly.
 - b. Factors influencing the field of vision.
 - c. Two clinical uses of Ultrasound
 - d. Principle of inertia apply to the safety of patients on wheel chairs.
 - e. Applications of radioisotopes in medical field.
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Microbiology

M.M. : 70

Time : 3 Hours.

Note: Attempt FIVE questions only. Q.No.1 is compulsory.

1A. Give one word answer of the following:

1. Cells which provide antibody mediated immunity.
2. The Organelle of motility of bacteria.
3. Mineral oil is best sterilized by.....
4. Staining methods used for demonstration of M. Tuberculosis.
5. Most common bacteria causing Urinary tract infection.
6. Name a life threatening complication of Plasmodium falciparum infection.
7. Name a fungi causing meningitis.
8. Name one sexually transmitted viral disease. [8x1=8]

1B. Pick up the most appropriate answer:

[3x1=3]

1. **Corynebacteria diptheriae:**
 - a. Contains terminal spores.
 - b. Produces powerful exotoxin.
 - c. Are Gram negative rods.
 - d. Can't grow on tellurite blood agar media.
2. **Principal Vector of Japanese B-encephalitis virus is:**
 - a. Culex mosquitoes.
 - b. Anopheles mosquitoes.
 - c. Aedes mosquitoes.
 - d. Sand fly.
3. **The normal concentration of IgG in serum is about**
 - a. 1.2 mg/ml
 - b. 2.0 mg/ml
 - c. 12.0 mg/ml
 - d. 20.0 mg/ml

1C. Fill up the blanks:

[3x1=3]

1. L.J. media is an example of _____ media.
2. The Protozoa causing Dysentery in man is _____.
3. Fungi having two different morphological forms are known as _____.

P.T.O.

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2. Write short notes on any FOUR of the following: [4×3¹/₂=14]
- Cell wall bacteria.
 - Role of temperature on the growth of bacteria.
 - Autoclave.
 - Agglutination reaction.
 - Secondary immune response.
 - Viral vaccines available.
 - Prevention of HIV infection.
 - S.D.A. media.
3. Define Antigen antibody reaction. Name various antigen antibody reaction. Differentiate between Precipitation and agglutination reaction with suitable example. What is Hypersensitivity reaction. Classify them. Describe Type I reaction. [4+4+6=14]
4. What is Disinfectant? Name various types of disinfectants. Describe the use of Halogen as chemical disinfectant. [3+5+6=14]
5. Enumerate Sexually transmitted diseases of bacterial etiology. Describe the laboratory diagnosis of Syphilis. [4+10=14]
6. Describe etiology, route of transmission, pathogenesis and prophylaxis of Hepatitis B. [2+3+4+5=14]
7. Write briefly on: [7+7]
- Laboratory diagnosis of Kala - Azar.
 - Laboratory diagnosis of Dermatophytosis.
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Medical Surgical Nursing**M.M. : 70****Time : 3 Hours.***Note: Attempt all questions.*

1. **Write brief notes on the following[any FOUR]:** [4x5=20]
 - a. Disaster management.
 - b. Hypovolemic shock.
 - c. Radiotherapy.
 - d. Fluid replacement in burns.
 - e. Dialysis.
 - f. Peptic ulcer.
 2. **Mr. Raj Kumar, 40 yrs old having Intestinal Obstruction is admitted to surgical ward for exploratory Laparotomy. Discuss his condition under following headings:**
 - a. What are the causes of Intestinal Obstruction. [5]
 - b. List the signs & symptoms and enumerate the various diagnostic tests done and its nursing responsibilities. [5]
 - c. Describe the nursing management of Mr. Raj Kumar who has undergone exploratory Laparotomy. [5]
 3. **Mrs. Sheela, 50 yrs old female had Cerebro-Vascular Accident[CVA]. Discuss her condition under followings headings:**
 - a. What are the causes of CVA. [5]
 - b. List the signs & symptoms of CVA and enumerate the various diagnostic tests done for CVA patients and its nursing responsibilities. [5]
 - c. Discuss the nursing management of patient with CVA. [5]
 4. **Write short notes on any FOUR:** [4x5=20]
 - a. Pathophysiology of Myocardial infarction.
 - b. Nurses role in Intensive care unit.
 - c. Nursing care of patient with anemia.
 - d. Nursing care of patient with Glaucoma.
 - e. Nursing care of patient with Enteric fever.
 - f. Nursing care of a patient having Hypothyroidism.
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Maternal Nursing**M.M. : 70****Time : 3 Hours.***Note: Attempt all questions.*

1.
 - a. Draw a labelled diagram of "Fetal circulation". [5]
 - b. Explain the "Fate of Temporary structures" after birth. [5]

 2.
 - a. Define 'Abortion.'. [2]
 - b. List types of Abortion. [3]
 - c. Explain management of a case of 'Inevitable abortion'. [5]

 3.
 - a. What is 'Planned Parenthood'? [3]
 - b. Why is it important for nurses and midwives to know and understand the socio-cultural aspects of child bearing? [7]

 4. **Meena, 30 yrs. old, Primi Para with twin pregnancy at 36 weeks gestation is admitted in 1st stage labour room with labour pains.**
 - a. Write nursing care plan based on 'nursing Process' to care for Meena during 1st stage of labour. [7]
 - b. List the complications that can arise during delivery and Puerperal period. [3]

 5.
 - a. Define 'Puerperium' & state the physiological changes that occur during the Puerperal period. [5]
 - b. Explain the role of nurse midwife in "Lactation management". [5]

 6. **Write short notes on any FOUR:** [4x5=20]
 - a. Infertility.
 - b. Pregnancy with HIV +ve status.
 - c. Birth Trauma.
 - d. Minor disorders of Pregnancy.
 - e. Ovulation & Fertilization.
 - f. Drugs used in obstetrics.
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Sociology

M.M. : 70

Time : 3 Hours.

Note: Attempt one question each from the Section A,B,C,D. Section E is Compulsory.

Section-A

1. Describe importance of Sociology in nursing profession. [12¹/2]
2. Explain dissimilarities between Sociology and Anthropology. [12¹/2]

Section-B

3. Describe importance of Socialization in mental health. [12¹/2]
4. Define Social group. Differentiate between Primary and Secondary group. [12¹/2]

Section-C

5. Explain Social structure of village community. [12¹/2]
6. What is Social change. Describe its nature. [12¹/2]

Section-D

7. Discuss rights of women and children. [12¹/2]
8. What is Marriage? What is its significance for an individual and society. [12¹/2]

Section-E

Define in five lines each [Two marks each] [20]

1. Social control.
 2. Two agencies of Socialization.
 3. Two characteristics of Culture.
 4. Two functions of Caste.
 5. Child labour.
 6. Religion
 7. Race.
 8. Urban problems.
 9. Meaning of Class.
 10. Social inequality.
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Community Health Nursing

M.M. : 70

Time : 3 Hours.

Note: Attempt any FOUR questions and Q.No. 5 is Compulsory..

1. Enlist the major National health problems. Explain the impact of over population on health of people. Describe the role of nurse in control of population. [3+6+6=15]
 2. Enlist the various Diarrhoeal diseases and its causes. Describe the National diarrhoeal diseases control programme in India. [5+10=15]
 3. Explain the concept of Community health and community health nursing. Describe the principles of providing community health services. [7+8=15]
 4. Explain the criteria of identifying high risk families. State the importance of identifying risk families. Describe the functions of Community health nurse in providing care to high risk families. [5+5+5=15]
 5. Briefly write on any **FIVE** of the following: [5x5=25]
 - a. Organisation of health services at district level.
 - b. Role of nurse in Mental health programme.
 - c. Disposal of biomedical waste in community.
 - d. Method of data presentation.
 - e. Role of nurse in Primary health care.
 - f. National health policy-2002.
 - g. Working relationship.
 - h. Importance of A.V. aids in health education.
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Nursing Administration

M.M. : 70

Time : 3 Hours.

Note: Attempt all questions.

1.
 - a. Define Administration. [4]
 - b. Discuss the differences between administration and management. [8]
 - c. List the principles of Administration. [8]

2. What is the role and functions of an Administrator in staffing employment. [15]

3.
 - a. Define Leadership. [1]
 - b. Write the types of Leader. [5]
 - c. Enlist the quality of good leader in Nsg. Profession. [4]

4. Write the short notes on any FIVE: [5x5=25]
 1. Supervision.
 2. Group dynamics and human relationship.
 3. Documentation.
 4. Inservice education programme.
 5. Budgeting in Nsg. Management.
 6. Methods of Evaluation of nursing students in clinical settings.

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Nursing Education

M.M. : 70

Time : 3 Hours.

Note: Attempt all questions.

1. a. Define Philosophy. [2]
 b. Write the concepts of nursing philosophy in nursing education. [10]
 2. a. Give two definitions of nursing education. [6]
 b. Write what is the scenario of nursing education in India. [7]
 3. a. Define Curriculum. [2]
 b. Write three types of Curriculum and explain. [6]
 c. Make Curriculum development diagramme. [7]
 4. a. List the methods of Teaching. [5]
 b. Explain clinical teaching methods and why it is important for you. [10]
 5. a. Define Evaluation. [2]
 b. Discuss Evaluation tools used in nursing. [7]
 c. Give one example of the following. [6]
 i) Essay type.
 ii) Short answer.
 iii) Observation check list.
 iv) Multiple choice questions.
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Mental Health Nursing

M.M. : 70

Time : 3 Hours.

Note: Attempt all questions.

1. Describe Behaviour therapy and role of nurse. [8,2]
 2. Describe clinical features of Hypomania. Describe treatment and nursing management of patient. [4,4,4]
 3. Write short notes on any SIX of the following: [6x8=48]
 - a. Phases of therapeutic IPR.
 - b. Hallucinations.
 - c. Catatonic Schizophrenia.
 - d. Therapeutic community.
 - e. Enuresis.
 - f. Occupational therapy.
 - g. Crisis intervention.
 - h. Anti anxiety drugs.
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Introduction to Nursing Research & Statistics

M.M. : 70

Time : 3 Hours.

Note: Attempt all questions.

1. Describe Research steps and Research methods. [5+10=15]
 2. Discuss appropriate sample size and sample selection methods. [10]
 3. Describe in detail the 'Non-Parametric' tests. [10]
 4. How would you select a problem to be researched. [10]
 5. **Write short notes on any FIVE:** [5x5=25]
 - a. Scope and need of research.
 - b. Variables.
 - c. Research design.
 - d. Formulation of Conclusion.
 - e. Research tools.
 - f. Data collection.
 - g. Vital statistics.
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