

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

BF/2008/12

Medical Surgical Nursing

[w.e.f. 2007 admission]

M.M. : 75

Time : 3 Hours.

Note : Attempt all questions.

1. **Write short notes on any FIVE:** [5x5=25]
 - a. Post operative complications.
 - b. Side effects of Radiotherapy.
 - c. Steps in Disaster management.
 - d. Cardiac emergencies.
 - e. Thyroid crisis.
 - f. Osteomyelitis.

 2. *Mr. Ravi Kumar, 40 yrs. old male is admitted in emergency ward in your hospital with the complaint of severe abdominal pain. Doctor has diagnosed him as Peptic perforation & send him to OT for emergency Laprotomy:*
 - a. What is Peptic Ulcer. [2]
 - b. Write down the predisposing factors responsible for Peptic Ulcer. [3]
 - c. What is the difference between Peptic ulcer and Deodenal ulcer. [3]
 - d. Write in brief the line of management for Mr. Ravi kumar after exploratory Laparotomy. [7]

 3.
 - a. What are the different etiologies of Cancer. [5]
 - b. Write in points, the seven warning signs of Cancer. [5]
 - c. What are the different modalities of treatment given to Cancer patients. [10]

 4. **Write short notes on any THREE:** [3x5=15]
 - a. Diabetes Mellitus.
 - b. Osteoporosis.
 - c. G.I. bleeding.
 - d. Burns.
 - e. Reconstructive surgeries.
-

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

BF/2008/12

Biochemistry & Biophysics

[w.e.f. 2007 admission]

M.M. : 75

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)

[37.5 marks]

1.
 - a. Explain the structure and functions of 'Golgi apparatus' in a cell.
 - b. Discuss the importance of hydrogen bonding in water.
 - c. List 3 important precautions required to handle specimens for enzyme estimation.
 - d. Explain metabolic and biochemical basis of Hypoglycemia.
 - e. Name any peptide hormone- explain its functions.
 - f. Write a short note on structure and functions of LDL.
 - g. Briefly discuss 'Gout'. [7x2¹/₂=17.5]
2.
 - a. Describe the functioning of buffers of blood plasma. [5]
 - b. Describe the process of digestion and absorption of fats. [5]
3. **Write short notes on any TWO:** [5+5=10]
 - a. Diagnostic significance of AST & ALT
 - b. Metabolic changes during starvation.
 - c. Atherosclerosis.
4. Describe Citric acid cycle. Add a note on its energetics. [10]

P.T.O.

SECTION-B
(Biophysics)

[37.5 marks]

1. **Explain briefly any FIVE of the following:** [5x3=15]
- a. Positive pressure is applied to patients of Pulmonary edema.
 - b. Running hot water over the medicine bottle metal cap.
 - c. Ethyl chloride causes numbness of the skin.
 - d. Water is usually administered with a tablet.
 - e. Rubber sheets with spongy undersurfaces are placed over mattresses.
 - f. Use of silk or nylon is generally forbidden in operating theatres.
 - g. Heat therapy is given to patients in shock.
 - h. Radioiodine is given to patients with hyperthyroidism.
2. a. Describe the main features of the human eye and show how it forms images. [4½]
b. Discuss the main problems that effect eyesight and how they can be corrected or treated. [8]
- OR
3. a. What do you understand by the terms specific gravity and center of gravity/mass? How does the presence of the gravitation force affect the human body? [8]
b. Why should the principles of center of gravity be considered before undertaking any strenuous activity. [4½]
4. **Write short notes on any TWO:** [2x5=10]
- a. Measures taken to reduce exposure to radioactivity in hospitals.
 - b. Human body is a good conductor of electricity.
 - c. Hearing aid and transmission of sound in ear.
 - d. Use of heat for sterilization.
 - e. One method of administration of oxygen with its principle.
-

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

BF/2008/12

Nutrition & Dietetics

[w.e.f. 2007 admission]

M.M. : 35

Time : 2 Hours.

Note: Attempt all questions.

1. **Define any five of the following:** [5]
 - a. Food hygiene.
 - b. Malnutrition.
 - c. RDA.
 - d. Fever.
 - e. Lactation.
 - f. Factors affecting meal planning.
2. **Briefly explain the objectives and principles of dietary management in any TWO of the following:** [7]
 - a. Nephrotic syndrome.
 - b. Type 2 diabetes mellitus.
 - c. Hypertension.
3. **Explain any TWO of the following:** [7]
 - a. Niacin deficiency.
 - b. Nutritional care of elderly.
 - c. Nutritional care of preterm babies.
4. **Give a brief explanation of any TWO of the following:** [7]
 - a. Liquid diet for post operative patients.
 - b. Functions of iron in our body.
 - c. Lactose intolerance.
5. **Write short notes on any THREE of the following:** [9]
 - a. Malabsorption.
 - b. Cirrhosis and its dietary management.
 - c. Energy restricted diets for obesity.
 - d. National nutritional anemia control programme.

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

BF/2008/12

Microbiology

[w.e.f. 2007 admission]

M.M. : 75

Time : 3 Hours.

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

1A. Give one word answer of the following: [10x1=10]

1. The construction and use of the compound microscope is attributed to.....
2. Rabies vaccine was developed for the first time in 1885 by.....
3. Who discovered *Mycobacterium tuberculosis* and *Vibrio cholerae*?
4. Who introduced the method of vaccination to prevent smallpox?
5. Which bacteria is cell wall deficient?
6. Chinese letter arrangement is characteristic of.....
7. Sterols are present in the membrane of.....
8. Silver impregnation method is used for the demonstration of.....
9. Ziehl-Neelsen stain is used for the detection of.....
10. Biological control used in an autoclave is the spores of.....

1B. Pick the most appropriate answer: [5x1=5]

1. *Anaphylactic reactions are mediated by which class of immunoglobulins?*
 - a. Ig G
 - b. Ig M
 - c. Ig E
 - d. Ig A
2. *Draughtsman colony is characteristic of:*
 - a. *Streptococcus pyogenes*.
 - b. *S. salivarius*.
 - c. *S. pneumoniae*.
 - d. *S. mitis*.
3. *Concentration of sulphuric acid employed for decolourization in Ziehl-staining for *Mycobacterium tuberculosis* is:*

a. 1%	b. 5%
c. 10%	d. 20%
4. *In Mantoux test, the development of an area of palpable, firm induration equal to or more than _____ diameter is recorded as positive:*

a. 2 mm	b. 5 mm
c. 10 mm	d. 15 mm
5. *The dosage schedule for recombinant yeast Hepatitis B vaccine is:*
 - a. 0, 1, 2 months
 - b. 0, 1, 4 months
 - c. 0, 1, 6 months
 - d. 0, 1, 9 months

P.T.O.

- 1C. **Fill in the blanks:** [4x1=4]
1. Chines letter appearance of the bacilli is seen in.....
 2. Painless, hard, non-bleeding ulcer is seen in which stage of syphilis.
 3. The smallest infective agents are.....
 4. Negri bodies are found in the cells infected with the following virus...

2. **Write short notes on any FOUR of the following:** [4x3¹/₂=14]

- a. Contributions of Louis Pasteur.
- b. Sterilization controls.
- c. Precipitation reaction.
- d. Delayed type Hypersensitivity.
- e. Pre-exposure prophylaxis of HIV infection.
- f. Candida infections.
- g. Selective media.
- h. Gram stain.

3. Define Hypersensitivity. How do you classify various types of hypersensitivity reactions. Describe type III reactions. [2+4+8=14]

4. Define Sterilization and Disinfection. Elaborate the different methods of sterilization including the sterilization controls. [4+6+4=14]

5. Name various organisms causing Sore throat with and without pseudomembrane formation. Discuss the laboratory diagnosis of Diphtheria. [4+10=14]

6. Describe etiology, route transmission and laboratory diagnosis of Acquired Immunodeficiency Syndrome[AIDS]. [3+4+7=14]

7. **Write briefly on:** [7+7=14]

- a. Laboratory diagnosis of Amoebic Liver abscess.
 - b. Laboratory diagnosis of Meningitis caused by Candida spp.
-

BF/2008/12

[w.e.f. 2007 admission]

Time : 3 Hours.

1. a. Draw and label the diagram of Female Pelvis. [7]
b. Discuss the functions of Ovary. [5]
2. a. Discuss in brief the Medical Termination of Pregnancy[MTP] Act. [7]
b. List the barrier methods of contraception & explain any one. [5]
3. *Shanti, a 35 years old Grand multipara is admitted with retained placenta after delivering a female baby at home four hours back:*
a. What immediate care will you provide to Shanti [6]
b. What are the causes of Post Partum Haemorrhage[PPH] and how will you prevent PPH? [5]
4. **Differentiate between the following(any FIVE):** [5x2]
a. HIV +ve and AIDS.
b. Oestrogen & Progesterone.
c. True and False labour.
d. Android & Gynaecoid pelvis.
e. Abruptio Placenta & Placenta Previa.
f. Menorrhagia and Metrorrhagia.
g. Bandl's Ring & Retraction ring.
5. a. What is essential new born care? [5]
b. How will you examine a normal new born baby? [5]
6. **Write short notes on any FOUR:** [4x5=20]
a. Phototherapy.
b. Gestational diabetes.
c. Antenatal exercises.
d. Puerperal sepsis.
e. Infertility.
f. Prolapse of Uterus.

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

BF/2008/12

Child Health Nursing

[w.e.f. 2007 admission]

M.M. : 75

Time : 3 Hours.

Note : Attempt all questions.

1.
 - a. Differentiate between growth and development. [3]
 - b. Calculate the expected length & weight of 4 year old child. [4]
 - c. What is the significance of play therapy for hospitalized children. [3]
 2. Define *Rheumatic fever*. Enlist the clinical features of Rheumatic fever. Write the objective based nursing intervention for a child suffering with Rheumatic fever. [2+4+9]
 3. Write objective based preoperative and postoperative nursing management of, Rohit, diagnosed as a case of Wilm's tumour. [10]
 4.
 - a. Outline the initial steps of resuscitation.
 - b. Describe the technique of bag and mask ventilation. [5+5]
 5. **Neetu, 8 months old infant, is diagnosed as a case of Diarrhoea:**
 - a. Define Diarrhoea. [2]
 - b. Outline the differences between mild and moderate diarrhoea. [5]
 - c. Write the nursing management specifying nursing assessment, diagnosis, objective & intervention for Neetu. [8]
 6. **Write short notes on any THREE of the following:** [3x5=15]
 - a. National policy and legislation in relation to child health & welfare.
 - b. Paediatric emergencies.
 - c. Management of mentally challenged children.
 - d. Worm infestation.
-

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

BF/2008/12

English

[w.e.f. 2007 admission]

M.M. : 75

Time : 3 Hours.

Note : Attempt all questions.

1. **Write an essay on any one of the following topics in about 450 words:**
i) Water Pollution. ii) Prevention is better than cure.
iii) India's journey to the moon (Mission Chandrayan)
iv) Science and Modern Civilization. [15]
2. Write a letter to your friend describing the kind of teaching facilities available in the nursing college you have joined. [10]
Or
Write a letter to you friend narrating an unforgettable incident of your life. [10]
3. **Write a paragraph on any one of the following topics in about 100 words:**
i) Key to success.
ii) Books as Coompanions.
iii) Importance of Yoga(physical exercise) [10]
4. **Do as directed:**
Change the Voice: [5]
i) The driver saved an accident.
ii) Teach him how to behave with the elders.
iii) I have passed the examination.
iv) Convicts are being condemned to death.
v) He can be saved by timely treatment.
Change the narration: [5]
i) She said to me, "You have been lucky all these years."
ii) The boy said, "I have taken up Science group".
iii) He said, "Let us go for a picnic."
iv) The young man said, "Will you live long enough to eat the fruit of these trees?"
v) The mother said, "Look out! There is a speeding car coming".
Fill in the correct preposition: [5]
i) Strength and hope returnedus.
ii) We dare not sit.....the fence.
iii) What do these cities convey.....us.
iv) I am a devoteescience.
v) People smiled....me.

P.T.O.

Correct the following:

[5]

- i) He ran enough hard to win the race.
- ii) Prime minister will visit U.S.A. in near future.
- iii) Put spoonful of sugar in the cup of tea.
- iv) You haven't done many work.
- v) The mathematics paper was rather very difficult.

5. Give your views about the sanitary conditions in your village. [10]

OR

Write your views on books as companions. [10]

6. *Read the following passage and answer the questions given at the end:*

[10]

Fortunately for us, we have Ashoka's own words telling us of what he thought and what he did. In numerous edicts, which were carved out in the rock or on metal, we still have his messages to his people and to posterity. You know that there is such an Ashoka Pillar in the fort at Allahabad. There are many others in our province. In these edicts Ashoka tells us of his horror and remorse at the slaughter, which war and conquest involve. The only true conquest, he says, is the conquest of self and the conquest of men's hearts by the DHARMA. But I shall quote for you some of these edicts. They make a fascinating reading and they will bring Ashoka nearer to you.

- i) Where were the edicts carved?
- ii) What does Ashoka tell in these edicts?
- iii) What is the true conquest according to him?
- iv) What is the value of these edicts.
- v) *Explain the meanings of the following words in English:*

a. Posterity

b. edicts

c. remorse

d. fascinating
