

## MODEL QUESTION PAPER

### FIRST YEAR BSc NURSING DEGREE EXAMINATION

#### ANATOMY

Time: Three hours

Max Marks: 75

*(Draw diagrams wherever necessary)*

1. Describe the cerebrum under the following headings:

- Lobes and surfaces
- Sulci, Gyri and functional areas
- Blood supply

(3+5+2=10 marks)

2. Describe the kidney under the following headings:

- Parts and relations
- Structure
- Applied Anatomy

(4+4+2=10 marks)

#### Write short notes on the following

3. Ligaments of uterus

7. Liver

4. Middle ear

8. Coronary arteries

5. Pituitary gland

9. Broncho pulmonary segments

6. Compound epithelium

(5x7=35 marks)

#### Write briefly on the following

10. Neuron

11. Deltoid muscle

12. Pleural recesses

13. Haversian system

14. Papillae of tongue

(3x5=15marks)

#### Match the items in column A with items in B

A

B

15. Foramen magnum
16. Myelin sheath
17. Hassall's corpuscles
18. Red pulp
19. Pancreas

- a. Spleen
  - b. Islets of Langerhans
  - c. Schwann cell
  - d. Suprarenal gland
  - e. Thymus
  - f. Occipital bone
- (1x5=5 marks)

## MODEL QUESTION PAPER

### FIRST YEAR BSc NURSING DEGREE EXAMINATION

#### PHYSIOLOGY

Time: 3 hrs

Max. Marks 75

*(Draw diagrams wherever necessary)*

1.

- Define Anaemia.
- Discuss different types of anaemia
- Describe Microcytic Hypochromic anaemia. (1+4+5=10 marks)

2

- Define blood pressure.
- Write the age wise blood pressure Normal values.
- Discuss the factors affecting blood pressure (1+4+5=10 marks)

**Write Short notes on the following**

3. Second stage of deglutition
4. Glomerular filtration rate
5. Properties of Cardiac Muscle
6. Dead Space
7. Errors of refraction
8. Tetany
9. Parkinsonism (5x7=35marks)

**Write briefly on:**

10. Functions of Hypothalamus
11. Hypothermia
12. REM sleep
13. Cyanosis
14. Rh incompatibility
15. Complications of blood transfusion
16. Platelets
17. Dialysis
18. Oxytocin
19. Dwarfism (2x10=20 marks)

## MODEL QUESTION PAPER

### FIRST YEAR BSc NURSING DEGREE EXAMINATION

#### MICROBIOLOGY

Time: 3 hrs

Max. Marks 75

*(Draw diagrams wherever necessary)*

1.
  - Enumerate anaerobic pathogenic bacteria.
  - Describe in detail about the various culture methods available for the cultivation of anaerobic bacteria

(4+6=10 marks)
  
2.
  - Describe the structure of HIV with diagram.
  - List the laboratory diagnosis of HIV
  - Write in detail about the pathogenesis
  - Enlist the preventive measures of HIV infection

(2+2+3+3=10marks)

#### Write briefly on:

3. Bacterial spore
  4. Antiseptics
  5. Meningococcal Meningitis
  6. Active immunity
  7. Anaphylaxis
  8. Laboratory diagnosis of pulmonary tuberculosis
  9. Urinary tract infection
- (5x7=35marks)

#### Write short notes on:

10. Staphylococcus aureus Infections
  11. DPT Vaccine
  12. HAICC
  13. Blood culture
  14. Immunoglobulin G
  15. Botulism
  16. Cysticercus cellulose
  17. NIH swab
  18. Dermatophytes
  19. Cryptococcus neoformans
- (2x10=20marks)

## MODEL QUESTION PAPER

### I YEAR B.Sc NURSING DEGREE EXAMINATION

#### NUTRITION AND BIOCHEMISTRY

Time: 3hrs

Max Marks: 75

#### SECTION –A NUTRITION

Time (2hrs)

1.

- Define BMR (Basal Metabolic Rate)
- Explain the factors affecting BMR. (2+8=10marks)

**Write short notes on**

2. Common nutritional problems in India
3. Functions of Carbohydrates
4. Explain the role of hormones in maintaining water balance
5. Explain the principles involved in planning a diet
6. Plan a diet for a male worker (sedentary) and discuss

(5x5=25marks)

**Write brief notes on**

7. Food adulteration
8. Anemia
9. Therapeutic diet
10. Factors affecting RDA
11. PEM

(5x3=15marks)

#### SECTION- B BIOCHEMISTRY

(1hrs)

1.

- Discuss the different pathways of glucose metabolism in the body
- Explain the glycolytic pathway

(3+7=10 Marks)

**Write short notes on**

2. Chromatography
3. Electrophoresis

(2x5=10 Marks)

**Define the following**

4. Amino acid
5. Detoxication
6. BMR
7. GTT
8. Enzyme

(5x1=5Marks)

## MODEL QUESTION PAPER

### I YEAR B.Sc NURSING DEGREE EXAMINATION

#### PSYCHOLOGY

**Time: 3 hrs**

**Max Marks: 75**

1.

- Define learning
- Compare between classical and operant conditioning.

(2+8=10marks)

2 . Define Personality

- . Discuss any four theories of personality.

(2+8=10marks)

#### **Write short notes on**

3. Merits and Demerits Case study
4. Types of Reasoning
5. Transfer of learning
6. Types of Conflicts
7. Principles of study habits.
8. Stress management techniques
9. Four types of learning.
10. Theories of forgetting

(5x8=40marks)

#### **Write briefly on**

11. Defence mechanism
12. Mental Retardation
13. Principles of perceptual organization
14. Methods of Psychology
15. Laws of learning

(3x5=15 marks)

# MODEL QUESTION PAPER

## I YEAR B.Sc NURSING DEGREE EXAMINATION

### Sociology

**Time: 3hrs**

**Max: Marks: 75**

1.
  - List the factors of social change.
  - Discuss about planning and implementation of social change In health sector by applying social marketing skills (3+7=10 marks)
2.
  - Describe the role of family in health & Disease
  - Discuss the management of a patient coming from a broken family (3+7=10 marks)

#### Answer the following

3. Problems of aged.
  4. Voluntary association
  5. Substance abuse
  6. Agencies of social control
  7. Minorities in India
  8. Minorities in India
  9. Juvenile Delinquency
- (5x7=35 marks)

#### Differentiate between

10. Crowd - Mob
11. Joint family - Nuclear family (3X2=6marks)

#### List of the following

12. Three forms of social security
13. Four aspects of social medicine
14. Two cause of family disorganization
15. Two qualities of a good leader
16. Stages of Demographic transition. (2X5=10 marks)

#### Match the following

- |                  |                    |
|------------------|--------------------|
| 17. Prostitution | a. spatial group   |
| 18. Bureaucracy  | b. Normlessness    |
| 19. Anomie       | c. Help-age India  |
| 20. Clan         | d. Mercenary basis |
|                  | e. Administration  |
|                  | f. Family          |
- (1X4=4 Marks)

# MODEL QUESTION PAPER

## I YEAR B.Sc NURSING DEGREE EXAMINATION

### NURSING FOUNDATIONS

**Time: 3hours**

**Max Marks: 100**

1. . Define immobility  
. Explain the effects of immobility  
. Explain the nurse's role in prevention of pressure ulcer  
**(1+4+5=10marks)**

2. . Define Nursing Process  
. Explain the steps of Nursing Process  
. Explain the nurse's role in physical examination **(1+4+5=10marks)**

**Write short notes on the following**

- 3 Health illness continuum
4. Therapeutic environment
5. Ethical Principles in Nursing
6. Effects of medication
7. Prevention of Nosocomial infection
8. Sitz bath
9. Nurse's role in oxygen administration
10. Discharge Procedure
11. Comfort devices
12. First aid in poisoning

**(5X10=50marks)**

**Differentiate between the following**

- |                           |   |                        |                      |
|---------------------------|---|------------------------|----------------------|
| 13. Pulse pressure        | - | Pulse deficit          |                      |
| 14. Surgical asepsis      | - | Medical asepsis        |                      |
| 15. Gastric gavage        | - | Gastric lavage         |                      |
| 16. Intradermal injection | - | Subcutaneous injection |                      |
| 17. Rigor morits          | - | Algor mortis           | <b>(3X5=15marks)</b> |

**List down the following**

18. Essential parts of a medication order
19. General guidelines for documentation
20. Factors affecting communication
21. Principles of catheterization.
22. General guidelines for bandaging. **(3X5=15marks)**