

MANIPAL ACADEMY OF HIGHER EDUCATION
FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2019
SUBJECT: SECTION A: BSN 101 – ANATOMY (DTQ)

Monday, June 10, 2019

Time: 10:15 – 11:30 Hrs.

Max. Marks: 22

- ☞ **All questions are compulsory.**
- ☞ **Illustrate your answers with diagrams and flow charts wherever appropriate.**

1. Write short notes on:

- 1A. Dorsal surface of tongue
- 1B. Right coronary artery
- 1C. Lobes and fissures of lungs
- 1D. Salient features of the large intestine

(3 marks × 4 = 12 marks)

2. Write short answers on:

- 2A. Important Sulci of brain
- 2B. Branches of arch of aorta
- 2C. Cartilages of larynx
- 2D. Sphincter's of male urethra
- 2E. Lobes of prostate

(2 marks × 5 = 10 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2019
SUBJECT: SECTION B: BSN 101 – PHYSIOLOGY (DTQ)

Tuesday, June 11, 2019

Time: 10:15 – 11:30 Hrs.

Max. Marks: 23

☞ **All questions are compulsory.**

1. Short Notes:

- 1A. List different functional areas of cerebral cortex and their functions.
- 1B. Explain conducting system of heart.
- 1C. Write any three actions of antidiuretic hormone.

(3 marks × 3 = 9 marks)

2. Short Answers:

- 2A. Name the contractile protein filaments of skeletal muscle.
- 2B. Name any two functions of plasma proteins.
- 2C. Define hypoxia and list its types.
- 2D. List any two functions of stomach.
- 2E. Write the steps in urine formation.
- 2F. Enumerate any two functions of the middle ear.
- 2G. List factors affecting Spermatogenesis.

(2 marks × 7 = 14 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2019
SUBJECT: BSN 103 – NURSING FOUNDATIONS (DTQ)

Friday, June 14, 2019

Time: 10:15 – 13:00 Hrs.

Max. Marks: 60

✍ **Answer ALL the questions.**

✍ **Essay:**

- 1A. List the purposes of oxygen administration.
- 1B. Explain the procedural steps of oxygen administration by face mask.

(3+10 = 13 marks)

2. **Answer the following in relation to nursing process:**

- 2A. List the critical thinking competencies.
- 2B. Describe the types of data with examples.
- 2C. Explain the sources of data.

(4+4+4 = 12 marks)

3. **Write short notes on the following:**

- 3A. Qualities of a nurse
- 3B. Types of hospital discharge
- 3C. Factors affecting blood pressure
- 3D. Types of hearing test with its interpretation
- 3E. Care of unconscious patient
- 3F. Sites of intramuscular injection
- 3G. Modes of transmission of infection

(5 marks × 7 = 35 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2019
SUBJECT: BSN 102 – NUTRITION AND BIOCHEMISTRY (DTQ)

Monday, June 17, 2019

Time: 10:30 – 13:00 Hrs.

Max. Marks: 45

SECTION - A: NUTRITION (25 MARKS)

✍ **Answer ALL the questions.**

1) **Write short note for each of the following:**

- 1A) National nutritional policy
- 1B) Principles of cooking (Any three)
- 1C) Elements of food
- 1D) Symptoms of Scurvy
- 1E) Manifestations of Iron deficiency anemia

(3 marks × 5 = 15 marks)

2) **Write short answers for each of the following:**

- 2A) Principles of menu planning
- 2B) Classification of food additives
- 2C) Complications of obesity (Any four)
- 2D) Role of nurse in nutrition education
- 2E) Objectives of Integrated Child Development Services (ICDS)

(2 marks × 5 = 10 marks)

SECTION – B: BIOCHEMISTRY (20 MARKS)

3) **Short note questions:**

- 3A) Describe the structure of IgA with its function.
- 3B) Define and give two examples for Co-enzyme.
- 3C) **Give two examples for each of the following:**

- a) Monosaccharide
- b) Disaccharide

3D) Name two enzymes that assess the liver function.

(2 marks × 4 = 8 marks)

4) **Short answer questions:**

- 4A) Define denaturation of proteins and list the factors effecting denaturation.
- 4B) Define Glycolysis and mention its importance.

4C) Name the different types of lipoproteins and explain its functions.

4D) Classify proteins with one example for each class.

(3 marks \times 4 = 12 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2019
SUBJECT: BSN 106 – MICROBIOLOGY (ESSAY)

Wednesday, June 19, 2019

Time: 10:30 – 13:00 Hrs.

Max. Marks: 45

- ✍ **Answer ALL questions.**
- ✍ **Write answers that are clear, relevant and legible.**
- ✍ **Illustrate your answers with neatly drawn and correctly labeled diagram wherever appropriate.**

1. Write short answers on:

- 1A. Purposes of staining
- 1B. Types of anaerobic culture methods (any two)
- 1C. Modes of transmission of infection (any four)
- 1D. Streptococcal pyogenic infections
- 1E. DPT vaccine- schedule
- 1F. Tests used in the diagnosis of syphilis (any two)
- 1G. Widal test
- 1H. Dermatophytes
- 1I. Laboratory diagnosis of amoebic dysentery
- 1J. Clinical features of Epstein Barr viral infection
- 1K. Bacterial growth curve
- 1L. Vaccines used in post exposure prophylaxis of Rabies
- 1M. Causative agent and clinical manifestations of hydatid disease
- 1N. Agglutination reaction. Give two examples
- 1O. Precautions and uses of hot air oven.

(2 marks × 15 = 30 marks)

2. Write short notes on:

- 2A. Sources of infection
- 2B. Laboratory diagnosis of malaria
- 2C. Tuberculin test
- 2D. Differences between Gram positive and Gram negative bacterial cell wall
- 2E. Factors affecting innate immunity

(3 marks × 5 = 15 marks)

