

MANIPAL UNIVERSITY**FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPT/OCT 2017****SUBJECT: BSN 101 – ANATOMY AND PHYSIOLOGY (DTQ)**

Monday, September 25, 2017

Time: 10:30 – 13:00 Hrs.

Max. Marks: 45

Answer ALL the questions.**SECTION – A: ANATOMY (22 MARKS)****1. Write briefly on:**

- 1A. Parts and relations of the stomach
- 1B. Chambers of the heart
- 1C. Sulci and gyri with the functional areas of the frontal lobe of cerebrum
- 1D. Trachea

(3 marks × 4 = 12 marks)

2. Write short notes on each of the following:

- 2A. Name the ligaments of the liver
- 2B. Transitional epithelium
- 2C. Coverings of the kidney
- 2D. Name the salivary glands
- 2E. Structure of lung

(2 marks × 5 = 10 marks)

SECTION – B: PHYSIOLOGY (23 MARKS)**3. Short answer questions:**

- 3A. Define blood pressure. Give its normal range. Explain any two factors affecting blood pressure
- 3B. What is the cause for myxedema? Explain 2 clinical features
- 3C. Explain any three functions of hypothalamus

(3 marks × 3 = 9 marks)

4. Short answer questions:

- 4A. Define Land Steiner's law
- 4B. Mention the steps involved in neuromuscular transmission
- 4C. Enumerate any two factors shifting oxygen-hemoglobin dissociation curve to the right
- 4D. Explain any two functions of bile
- 4E. Enumerate the functions of juxtaglomerular apparatus
- 4F. Explain the physiological basis of any one of the methods of contraception in females
- 4G. Draw a neat labeled diagram of the visual pathway

(2 marks × 7 = 14 marks)



MANIPAL UNIVERSITY**FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPT/OCT 2017****SUBJECT: BSN 103 – NURSING FOUNDATIONS (DTQ)**

Wednesday, September 27, 2017

Time: 10:15 – 13:00 Hrs.

Max. Marks: 60

✍ Answer ALL the questions.

1. Explain body mechanics under the following heading:

- 1A. Meaning
- 1B. Purposes
- 1C. Principles

(1+2+10 = 13 marks)

2A. List the parenteral routes of drug administration.

2B. Explain the procedure of intradermal injection.

(4+8 = 12 marks)

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

- 3A. Types of Admissions
- 3B. Assessment as the first step of nursing process
- 3C. Characteristics of pulse
- 3D. Urinary diversion
- 3E. Routes of drug administration
- 3F. Nursing care of dying patients
- 3G. Characteristics of a Profession

(5 marks × 7 = 35 marks)



MANIPAL UNIVERSITY**FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPT/OCT 2017****SUBJECT: BSN 105 – PSYCHOLOGY (ESSAY)**

Thursday, September 28, 2017

Time: 10:30 – 13:00 Hrs.

Max. Marks: 45

✍ Answer ALL the questions.**1. Write very short answer on:**

- 1A. Clinical Psychology
- 1B. Behaviour genetics
- 1C. Sensation
- 1D. Binocular cues
- 1E. Types of attention
- 1F. Self-actualization
- 1G. Ego
- 1H. Types of reasoning
- 1I. Formation of attitudes
- 1J. Warning signs of poor mental health
- 1K. Classical conditioning
- 1L. Methods of improving memory
- 1M. Role of a nurse in psychological assessment and test
- 1N. Personality tests
- 1O. Characteristics of Sound

(2 marks × 15 = 30 marks)

2. Write short answer on:

- 2A. Assessment of intelligence
- 2B. Observational learning
- 2C. Types of memory
- 2D. Theories of emotions
- 2E. Introspection method

(3 marks × 5 = 15 marks)



MANIPAL UNIVERSITY

FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPT/OCT 2017

SUBJECT: BSN 106 – MICROBIOLOGY (ESSAY)

Saturday, September 30, 2017

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. Enumerate four nutritional requirements of bacteria.
- 1B. Name two types of culture media with examples.
- 1C. Name two methods of absolute sterilization with one application each.
- 1D. Mention four skin infections caused by Staphylococcus aureus.
- 1E. List four pyogenic Streptococcal infections.
- 1F. Name two antibodies with one function each.
- 1G. List four differences between tuberculoid leprosy and lepromatous leprosy.
- 1H. Name four samples collected for the diagnosis of tuberculosis.
- 1I. Mention four clinical features of Candida.
- 1J. Name two Herpes viruses with disease they cause.
- 1K. Draw the diagram of HIV virus.
- 1L. Name four modes of transmission of Hepatitis B virus.
- 1M. Draw the life cycle of Ancylostoma duodenale.
- 1N. Mention two antigen antibody reactions with its applications.
- 1O. DPT vaccine

(2 marks × 15 = 30 marks)

2. Write short notes on:

- 2A. Explain the precautions and uses of hot air oven.
- 2B. Laboratory diagnosis of Mycobacterium leprae.
- 2C. Explain bacterial growth curve.
- 2D. Describe passive immunity.
- 2E. Life cycle of Ascaris lumbricoids.

(3 marks × 5 = 15 marks)



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FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPT/OCT 2017

SUBJECT: BSN 102 – NUTRITION AND BIOCHEMISTRY (DTQ)

Tuesday, October 03, 2017

Time: 10:30 – 13:00 Hrs.

Max. Marks: 45

SECTION - A: NUTRITION (25 MARKS)

✍ Answer ALL the questions.

1. Write short notes on the following:

- 1A. Functions of Potassium.
- 1B. Any 3 methods of cooking.
- 1C. Any three factors influencing food habits.
- 1D. Dietary recommendations for Diabetic Mellitus.
- 1E. Deficiency disorder of Vitamin C.

(3 marks × 5 = 15 marks)

2. Write short notes on the following:

- 2A. Any two methods of food preservation.
- 2B. Any two functions of World Health Organization.
- 2C. Any two methods to prevent Iron deficiency anaemia.
- 2D. Dietary recommendations for patients with Renal calculi.
- 2E. Importance of Iodine deficiency control programme.

(2 marks × 5 = 10 marks)

SECTION – B: BIOCHEMISTRY (20 MARKS)

3. Short answer questions:

- 3A. Define clearance test.
- 3B. Name the co-enzyme form of: (i) Thiamine (ii) Folic acid
- 3C. Write any two functions of nucleotides.
- 3D. Functions of immunoglobulins.

(2 marks × 4 = 8 marks)

4. Short answer questions:

- 4A. Classify amino acids and give example for each.
- 4B. Outline the reactions of β oxidation of fatty acid.
- 4C. Explain the digestion and absorption of glucose.
- 4D. Write the reactions of urea cycle.

(3 marks × 4 = 12 marks)

