

Instructions:

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- 3) **All** questions are **compulsory**.
- 4) The number to the **right** indicates **full** marks.
- 5) Draw diagrams **wherever** necessary.
- 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
- 7) Use a common answer book for **all** sections.

Section "A" (42 Marks)
Anatomy

1. Short answer question (**any six** out of seven) : **(6x5=30)**
 - a) Classification of synovial joints with one example
 - b) Interior of right atrium
 - c) Relations of urinary bladder
 - d) Sternocleidomastoid muscle
 - e) Blood supply and lymphatic drainage of mammary gland
 - f) Bronchopulmonary segments
 - g) Structure and function of skin.

2. Long answer question (**any one** out of two) : **(1x12=12)**
 - a) Describe the thyroid gland under the following headings:
 - (i) Morphology & situation, (ii) Relations, (iii) Blood supply, (iv) Clinical anatomy

 - b) Describe the stomach under the following headings:
 - (i) Parts & gross anatomy, (ii) Visceral & peritoneal relations, (iii) Lymphatic drainage, (iv) Applied anatomy

Section "B" (33 Marks)
Physiology

3. Short answer question (**any four** out of five) : **(4x5=20)**
 - a) Enumerate hormones secreted by anterior pituitary gland. Write a note on Acromegaly.
 - b) Functions of Plasma proteins.
 - c) Draw and describe Neuromuscular junction.
 - d) Write a short note on ovulation.
 - e) Define Reflex. Draw a neat labelled diagram of reflex arc.



4. Long answer question :

(1x13=13)

- a) Enumerate phases of Deglutition. Describe the second phase of deglutition.
- b) Describe lung volumes and capacities with the help of a neat labelled diagram.

6

7

OR

Long answer question :

(1x13=13)

- c) Classify White blood cells. Write the characteristics and functions of each type.
- d) Define Cardiac Output. Explain the factors regulating cardiac output.

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Section-A (45 marks)**Nutrition**

1. Short answer questions (**any five** out of six) : (5x5=25)
 - a) Discuss food adulteration.
 - b) Explain Mid day meal programme.
 - c) Discuss Micro and Macro nutrients.
 - d) Classification of Carbohydrate.
 - e) Explain factors affecting Basal Metabolic Rate.
 - f) Explain the functions of Vitamin D.

2. Long answer questions (**any two** out of three) : (2x5=10)
 - a) Discuss principles of Menu planning.
 - b) Describe the effect of cooking on carbohydrates.
 - c) Explain the deficiency disorders of Vitamin A.

3. Short answer questions (**any two** out of three) : (2x5=10)
 - a) Explain the factors to be considered while serving food to the patient.
 - b) Explain factors affecting nutrition.
 - c) Discuss the use of heat for food preservation.



Section-B (30 marks)
Biochemistry

4. Short answer questions (**any four** out of five) :

(4 x5=20)

- a) Write diagnostic significance of enzymes.
- b) Write a note on essential fatty acids.
- c) Describe Cori's cycle.
- d) Enumerate fat soluble vitamins. Give an account of biochemical functions of Vitamin A.
- e) What are immunoglobulins? Give their types along with functions.

5. Long answer questions (**any one** out of two) :

(1x10=10)

- a) Describe oxidation of fatty acids with its energetics.
 - b) Give sources and functions of calcium. Describe serum calcium regulation.
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First BASIC B.Sc. NURSING, Winter 2015

Nursing Foundation

Total Duration: Section A+B = 3 Hours

Total Marks :75

Section - A & Section - B

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Section "A" (40 Marks)

1. Short answer question (any five out of six) : **(5x5=25)**
 - a) Functions of hospital.
 - b) Methods of Physical examination.
 - c) Nursing intervention to promote sleep.
 - d) Five rights for safety in administering drugs.
 - e) Nursing as a profession.
 - f) Comfort devices.

2. Long answer question (any one out of two) : **(1x15=15)**
 - a) Define nursing process. Enlist the steps of nursing process. State the difference between actual and potential problem. Explain data collection methods.
 - b) Define Pyrexia. Enumerate factors affecting body temperature. List different types of fever. Describe nursing management of patients with fever.

Section "B" (35 Marks)

3. Short answer question (any four out of five) : **(4x5=20)**
 - a) Importance of records and reports.
 - b) Nursing responsibility during oxygen administration.
 - c) Principles of body mechanics.
 - d) Standard safety precautions.
 - e) Basic life support.



4. Long answer question (**any one** out of two) :

(1x15=15)

- a) Define enema. What are the various types of evacuant enemas ? Explain about simple cleansing enema and important observations to be recorded.
- b) Define communication. Explain in short techniques of therapeutic communication. What are the points to be kept in mind while communicating with physically challenged clients ?

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Section "A" (40 Marks)

1. Short answer question (**any five** out of six) : (5x5=25)
 - a) Define Personality and briefly explain its various types.
 - b) What is an emotion? Discuss the effect of emotional reaction on health.
 - c) Discuss the Maslow's hierarchy of needs with diagram.
 - d) Define perception. What are the factors affecting perception ?
 - e) Characteristics of mentally healthy person.
 - f) What are the effects of personal and social motives on behaviour ?

2. Long answer question (**any one** out of two) : (1x15=15)
 - a) Define Psychology. Explain observation method. Explain how the study of psychology is important for a student nurse.
 - b) Define learning. Write the factors that influence learning. Explain the theory of classical conditioning.

Section "B" (35 Marks)

3. Short answer question (**any four** out of five) : (4x5=20)
 - a) Define memory and explain types of memory.
 - b) Explain the General Adaptation Syndrome by Hans Selye with one example.
 - c) Explain how a nurse has to cope with stress.
 - d) Define Counselling and explain the phases of counselling.
 - e) Discuss the types of conflicts.

4. Long answer question (**any one** out of two) : (1x15=15)
 - a) Define defence mechanisms. Write importance of defence mechanisms for a individual. Enumerate any four defence mechanisms with example.
 - b) Define thinking. Write types of thinking. Explain scientific method of problem solving.



Section - A & Section - B

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Section "A" (40 Marks)1. Short answer question (**any five** out of two)

(5x5=25)

- a) Biomedical waste management.
- b) Z.N. staining.
- c) Pathogenicity of tuberculosis.
- d) Hypersensitivity type I.
- e) General characteristics of Viruses.
- f) Contribution of Louis Pasteur.

2. Long answer question (**any one** out of two) :

(1x15=15)

- a) Define the term Immunity. Write the differences between Active and Passive Immunity. Explain the National Immunization Schedule.
- b) Define sterilization and disinfection. Classify methods of sterilization by heat. Describe Hot Air Oven.

Section "B" (35 Marks)3. Short answer question (**any four** out of five) :

(4x5=20)

- a) Life cycle of Malaria parasite.
- b) Give three different types of fungal classifications.
- c) Bacterial growth curve.
- d) Pathogenicity of vibrio cholera.
- e) Normal Microbial flora of human body.

4. Long answer question (**any one** out of two) :

(1x15=15)

- a) Draw a neat & well labelled diagram of HIV. What are the modes of transmission of HIV ? Discuss in detail about the laboratory diagnosis of HIV.
- b) Name the organism causing Enteric fever and explain its cultural characteristics. Discuss the Laboratory diagnosis of typhoid.