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MUHS EXAM
QUESTION PAPERS
FOR FIRST YEAR

62501

First Basic B.Sc. Nursing Examination, Summer 2015
ANATOMY AND PHYSIOLOGY

Total Duration : Section A + B = 3 Hours

Total Marks : 75

SECTION – A & SECTION – B

Instructions : 1) Use blue/black ball point pen only.

2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

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) :

(6×5=30)

a) Mitochondria.

b) Deltoid muscle.

c) Femoral Triangle.

d) Define Mediastinum. Mention its division and enumerate the contents of middle mediastinum.

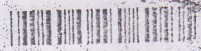
e) Draw neat labelled diagram showing anterior relations of left kidney.

f) Describe nerve supply of tongue.

g) Describe blood supply of thyroid gland.

P.T.O.

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

(1×12=12)

a) Describe stomach under the following heads :

- Gross structure and relations
- Blood supply
- Lymphatic drainage
- Applied Anatomy

b) Describe synovial joint under following heads :

- Structure
- Classification
- Mechanism of lubrication
- Applied Anatomy

Coracoclavicular

SECTION – B (33 Marks)

Physiology

3. Short answer questions (any four out of five)

(4×5=20)

a) Functions of Testosterone.

b) Enumerate the different blood group system. Importance of determination of blood groups.

c) Different mechanism for regulating body temperature.

d) Functions of thyroid hormones. Add a note on hypothyroidism.

e) Cerebrospinal fluid.

4. Long answer question :

(1×13=13)

a) Define and describe the process of blood coagulation.

b) Composition and functions of gastric juice. Write briefly about phases of gastric secretion.

OR

Long answer question :

(1×13=13)

c) Describe the process of Oxygen transport from lungs to tissues.

d) Define and draw a diagram of cardiac cycle. Describe the ventricular events in cardiac cycle.

62505



First Basic B.Sc. Nursing Examination, Summer 2015
MICROBIOLOGY

Total Duration : Section A + B = 3 Hours

Total Marks : 75

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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

(40 Marks)

(5×5=25)

1. Short answer question (**any five** out of six) :
 - a) Blood culture.
 - b) Write a note on bacterial growth curve.
 - c) Write a note on Koch's postulates.
 - d) Write pathogenicity of Candida albicans.
 - e) Life cycle of Ascaris Lumbricoides (round worm)
 - f) Write a note on gram staining.

(1×15=15)

2. Long answer question (**any one** out of two) :
 - a) Draw a neat, well labelled diagram of HIV. Write modes of transmission of HIV. Write pathogenicity and laboratory diagnosis of HIV.
 - b) Enumerate respiratory tract infections. Write morphology, pathogenicity and laboratory diagnosis of Mycobacterium tuberculosis.

P.T.O.

62505

SECTION - B



(35 Marks)

(4x5=20)

3. Short answer question (any four out of five) :
- a) Write a note on Bacterial Cell wall.
 - b) Agglutination reactions.
 - c) Standard safety precautions while working in microbiology laboratory.
 - d) Widal test.
 - e) Type I Hypersensitivity reaction.

(1x15=15)

4. Long answer question (any one out of two) :
- a) Define sterilization. Describe in detail about sterilisation by heat.
 - b) Define Immunity. Classify Immunity. Add a note on National Immunization schedule.

62503

First Basic B.Sc. Nursing Examination, Summer 2015
NURSING FOUNDATION

Total Duration : Section A+B = 3 Hours

Total Marks : 75

SECTION - A & SECTION - B

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 - 3) **All questions are compulsory.**
 - 4) The number to the **right** indicates **full marks**.
 - 5) Draw diagrams **wherever necessary**.
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 - 7) Use a common answerbook for **all Sections**.

(40 Marks)

(5x5=25)

SECTION - A

1. Short answer question (any five out of six) :

- a) Concept of Health : Health illness continuum.
- b) Health care team. :
- c) Nursing as a profession.
- d) Consumer rights.
- e) Assessment of respirations.
- f) Maslow's hierarchy of needs.

(1x15=15)

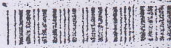
2. Long answer question (any one out of two) :

- a) Discuss meaning of communication, levels, types, modes and methods of effective communication.
- b) Describe the patients unit. How will you prepare the unit to receive an admission. Write the scientific principles of bed making.

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3. Short answer question (any four out of five) :

(4x5=

- a) Types of fever.
- b) Hot water bag application.
- c) Care of the unit after discharge.
- d) Role of nurse in providing safe and clean environment.
- e) Medical asepsis and surgical asepsis.

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

(1x15=

- a) Discuss principles of body mechanics, importance of maintaining normal body alignment and mobility, hazards associated with immobility.
- b) Discuss grief and grieving process, signs of clinical death and care of dying patient.

Comfort :- Comfort is defined as the contented enjoyment in physical or mental well being
 Freedom from want or anxiety
 Freedom from pain or trouble

Discomfort :- Discomfort is defined as want of comfort or ease due to client or annoyance through cases of discomfort in a client.

62501

First Basic B.Sc. Nursing Examination, Summer 2016
ANATOMY AND PHYSIOLOGY

Total Duration : Section A + B = 3 Hours

Total Marks : 75

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 - 7) **Use** a common answerbook for **all** sections.

SECTION – A
(Anatomy)

(42 Marks)

1. Short answer question (**any six** out of seven) :

(6×5=30)

- a) Classification of bones according to shape and write it's functions
- b) Blood supply of heart
- c) Relations and ligaments of spleen
- d) Nerve supply of tongue
- e) Enumerate formation and branches of brachial plexus
- f) Structures under cover of gluteus maximus muscle
- g) Functional areas on superolateral surface of brain.

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

(1×12=12)

- a) Describe the uterus under the following heads :
 - i) size, shape, normal position and angulation
 - ii) parts of uterus
 - iii) supports of uterus
 - iv) Applied anatomy.

P.T.O.

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- b) Describe the left lung under the following heads :
- i) features
 - ii) root
 - iii) mediastinal surface
 - iv) Applied anatomy.

SECTION – B
(Physiology)

(33 M

3. Short answer question (**any four** out of five) :

(4x

- a) Write a note on sarcomere
- b) Composition and functions of saliva
- c) Conducting system of heart
- d) Mechanisms for body temperature regulation
- e) Write a note on diabetes mellitus.

4. Long answer question :

(1x

- a) Define and classify Anaemia.
- b) Describe process of urine formation.

OR

Long answer question :

(1x

- c) Enumerate functions of lungs. Add a note on Oxygen-Haemoglobin dissociation curve.
- d) Define Menstrual cycle. Write briefly about phases of menstrual cycle.

First Basic B.Sc. Nursing Examination, Summer 2016
NUTRITION AND BIOCHEMISTRY

Total Duration : Section A+B = 3 Hours

Total Marks : 75

SECTION – A & SECTION – B

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 - 3) **All** questions are **compulsory**.
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 - 7) **Use** a common answerbook for **all** Sections.

SECTION – A

(45 Marks)

(Nutrition)

1. Short answer question (**any five** out of six) : **(5×5=25)**
 - a) Role of nutrition in maintaining health of geriatric client.
 - b) Classification of foods.
 - c) Difference between kwashiorkor and marasmus.
 - d) Deficiency diseases of Iron and its rich dietary sources.
 - e) Integrated Child Development Scheme (ICDS).
 - f) Therapeutic purposes of Naturopathy - Diet.

2. Long answer question (**any two** out of three) : **(2×5=10)**
 - a) Nutritional problems in India.
 - b) Absorption, synthesis and metabolism of minerals.
 - c) Principles of weaning and foods included.

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3. Short answer question (**any two** out of three) :

(2x)

- a) Safe food preparation practices.
- b) Role of nurse in nutritional education.
- c) Food additives and its principles.

SECTION – B

(30 M

(**Biochemistry**)

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

(4x)

- a) Classify carbohydrates with suitable example.
- b) Functions of proteins.
- c) Digestion and absorption of Lipids.
- d) Classify enzymes with suitable examples.
- e) Factors affecting calcium absorption.

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

(1x)

- a) Describe sources, biochemical functions and deficiency manifestation of Vitamin
 - b) Explain in detail different types of buffers and role of buffers in maintaining a base balance.
-

First Basic B.Sc. Nursing Examination, Summer 2016
MICROBIOLOGY

Total Duration : Section A+B = 3 Hours

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SECTION – A & SECTION – B

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 - 7) **Use** a common answer book for **all** Sections.

SECTION – A

(40 Marks)

1. Short answer question (**any five** out of six) :

(5×5=25)

- a) Grams staining.
- b) Mention different modes of transmission of infection
- c) Bacterial growth curve.
- d) Life cycle of Malaria parasite.
- e) Candidiasis.
- f) Precipitation reaction.

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

(1×15=15)

- a) Mention the modes of transmission of HIV. Write in detail about pathogenesis and Laboratory diagnosis of AIDS.
- b) Define Nosocomial infection. Describe common Nosocomial infections. Role of a nurse in prevention of nosocomial infection.

P.T.O.



SECTION – B

(35

3. Short answer question (**any four** out of five) :

- a) Classify culture media with example.
- b) Difference between Active and Passive immunity.
- c) Biomedical waste segregation.
- d) Bacterial Flagella.
- e) Define carrier. Explain different types with examples.

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

- a) Define Sterilization and Disinfection. Write characteristics of good disinfectant. Describe uses, structure, functioning of Hot air oven.
 - b) Enlist organisms causing respiratory tract infection. Write in detail about pathogenesis and laboratory diagnosis of Tuberculosis.
-

(1

62501

First Basic B.Sc. Nursing Examination, Summer 2016
ANATOMY AND PHYSIOLOGY

Total Duration : Section A + B = 3 Hours

Total Marks : 75

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SECTION – A
(Anatomy)

(42 Marks)

1. Short answer question (**any six** out of seven) :
 - a) Classification of bones according to shape and write it's functions
 - b) Blood supply of heart
 - c) Relations and ligaments of spleen
 - d) Nerve supply of tongue
 - e) Enumerate formation and branches of brachial plexus
 - f) Structures under cover of gluteus maximus muscle
 - g) Functional areas on superolateral surface of brain.

(6×5=30)

2. Long answer question (**any one** out of two) :
 - a) Describe the uterus under the following heads :
 - i) size, shape, normal position and angulation
 - ii) parts of uterus
 - iii) supports of uterus
 - iv) Applied anatomy.

(1×12=12)

P.T.O.

62501



- b) Describe the left lung under the following heads :
- i). features
 - ii) root
 - iii) mediastinal surface
 - iv) Applied anatomy.

SECTION – B
(Physiology)

(33 Mark

3. Short answer question (any four out of five) :

(4×5=2

- a) Write a note on sarcomere
- b) Composition and functions of saliva
- c) Conducting system of heart
- d) Mechanisms for body temperature regulation
- e) Write a note on diabetes mellitus.

4. Long answer question :

(1×13=

- a) Define and classify Anaemia.
- b) Describe process of urine formation.

OR

Long answer question :

(1×13=

- c) Enumerate functions of lungs. Add a note on Oxygen-Haemoglobin dissociation curve.
 - d) Define Menstrual cycle. Write briefly about phases of menstrual cycle.
-



62502

First Basic B.Sc. Nursing Examination, Summer 2016
NUTRITION AND BIOCHEMISTRY

Total Duration : Section A+B = 3 Hours

Total Marks : 75

SECTION – A & SECTION – B

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 - 7) **Use** a common answerbook for **all** Sections.

SECTION – A

(45 Marks)

(Nutrition)

1. Short answer question (**any five** out of six) : (5×5=25)
 - a) Role of nutrition in maintaining health of geriatric client.
 - b) Classification of foods.
 - c) Difference between kwashiorkor and marasmus.
 - d) Deficiency diseases of Iron and its rich dietary sources.
 - e) Integrated Child Development Scheme (ICDS).
 - f) Therapeutic purposes of Naturopathy - Diet.

2. Long answer question (**any two** out of three) : (2×5=10)
 - a) Nutritional problems in India.
 - b) Absorption, synthesis and metabolism of minerals.
 - c) Principles of weaning and foods included.

P.T.O.

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3. Short answer question (**any two** out of three) :

(2×5=10)

- a) Safe food preparation practices.
- b) Role of nurse in nutritional education.
- c) Food additives and its principles.

SECTION – B

(30 Marks)

(Biochemistry)

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

(4×5=20)

- a) Classify carbohydrates with suitable example.
- b) Functions of proteins.
- c) Digestion and absorption of Lipids.
- d) Classify enzymes with suitable examples.
- e) Factors affecting calcium absorption.

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

(1×10=10)

- a) Describe sources, biochemical functions and deficiency manifestation of Vitamin A.
 - b) Explain in detail different types of buffers and role of buffers in maintaining acid base balance.
-

62503

First Basic B.Sc. Nursing Examination, Winter 2017
NURSING FOUNDATION

Total Duration : Section A + B = 3 Hours

Total Marks : 75

SECTION – A and SECTION – B

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 - 7) Use a common answerbook for **all** Sections.

SECTION – A (40 Marks)

1. Short answer question (**any five** out of six) :

(5×5=25)

- a) Health illness continuum.
- b) Admission procedure.
- c) Communication skills.
- d) Levels of critical thinking in Nursing.
- e) Importance of Reports.
- f) Maslow's hierarchy of Needs.

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

(1×15=15)

- a) Define Blood Pressure. Write factors affecting blood pressure and assessment of blood pressure.
- b) Discuss Peplau's theory and its implication to nursing.

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62503

SECTION – B (35 Marks)

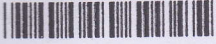


3. Short answer question (**any four** out of five) :
- a) Role of nurse in providing safe environment.
 - b) Factors affecting sleep.
 - c) Body mechanics.
 - d) Measuring fluid intake and output.
 - e) Stages of grieving and Nursing implication.

(4x5=

4. Long answer question (**any one** out of two) :
- a) Explain Health history taking Methods of Physical Examination and assessment of cardiovascular system.
 - b) Explain composition and characteristics of urine. Factors influencing Urination and Condom drainage.

(1x15=



62501

**First Basic B.Sc. Nursing Examination, Summer 2018
ANATOMY AND PHYSIOLOGY**

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Total Marks : 75

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 - 7) **Use** a common answerbook for **all** sections.

SECTION – A (42 Marks)

(Anatomy)

1. Short answer question (**any six** out of seven) : **(6×5=30)**
 - a) Lymphatic drainage of mammary gland.
 - b) Bronchopulmonary segments.
 - c) Boundaries and contents of femoral triangle.
 - d) Constituents of the spermatic cord.
 - e) Relations of urinary bladder in male.
 - f) Sternocleidomastoid muscle.
 - g) Sulci and gyri on superolateral surface of cerebrum.

2. Long answer question (**any one** out of two) : **(1×12=12)**
 - a) Describe synovial joint under following heads :
 - i) Definition **2**
 - ii) Characteristics **2**
 - iii) Classification with example **6**
 - iv) Applied anatomy **2**

P.T.O.

62501



- b) Describe the stomach under following heads :
- i) External features and relations
 - ii) Blood supply
 - iii) Lymphatic Drainage
 - iv) Applied Anatomy

SECTION – B (33 Marks)

(Physiology)

3. Short answer question (**any four** out of five) :

- a) Enumerate the properties of Skeletal muscle and describe any one in detail. (4x)
- b) Compare and contrast between cortical and juxtaglomerular nephron.
- c) Classify nerve fibers on the basis of conduction velocity and add a note on saltatory conduction.
- d) Draw a well labelled diagram of ECG in lead II and give the normal values of the intervals.
- e) Describe the functions of hypothalamus.

4. Long answer question :

- a) Define synapse, classify it and enumerate its properties. (1x)
- b) Describe the mechanism of synaptic transmission.

OR

Long answer question :

- c) What is the physiological basis of Blood group ? Name the various Blood groups (1x)
- d) What are the hazards of Blood transfusion ?