

B.Sc. Allied Health Sciences First Year (Semester-II)
Examination October 2012

Time : 2 Hrs.

[Max. Marks : 50]

Anatomy - II

Q.P Code : AHS-101

*Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.*

LONG ESSAY

2 X 10 = 20 Marks

1. Classify nervous system. Describe the cerebrum under the following headings
 - a) Lobes
 - b) Sulci and gyri
 - c) Functional areas
 - d) blood supply
2. Describe the uterus under the following headings
 - a) Parts
 - b) Relations
 - c) Supports
 - d) Blood and nerve supply

SHORT ESSAY

3 X 5 = 15 Marks

3. Histology of Kidney
4. Tests
5. Extraocular muscles

SHORT ANSWERS

5 X 3 = 15 Marks

6. Draw and label a neuron
7. Mention blood supply of thyroid gland
8. Mention parts of brainstem
9. Contents of middle ear
10. Mention the appendages of skin

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PHYSIOLOGY - II

Q.P Code : AHS-103

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. List ascending pathways and sensations carried by them. Trace the pain pathway.
2. Define blood pressure with normal value. Explain the regulation of blood pressure

SHORT ESSAY

3 X 5 = 15 Marks

3. Oxygen hemoglobin dissociation curve
4. Functions of middle ear
5. Composition and functions of saliva

SHORT ANSWERS

5 X 3 = 15 Marks

6. List six functions of hypothalamus
7. Name photoreceptors and write their functions
8. Define tidal volume and vital capacity with normal value
9. Phases of deglutition
10. Neuroglia

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Biochemistry - II

Q.P Code : AHS-105

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LONG ESSAY

2 X 10 = 20 Marks

1. Explain the principle and technique of electrophoresis
2. What is the pH of blood? How is it regulated?

SHORT ESSAY

3 X 5 = 15 Marks

3. pH meter
4. Basal metabolic rate (BMR)
5. Role of phospholipids

SHORT ANSWERS

5 X 3 = 15 Marks

6. Normal blood urea level and its importance
7. Dietary fibre
8. Define (i) Calorie (ii) Respiratory quotient
9. Protein energy malnutrition
10. Digitoxin

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Microbiology-II

Q.P Code: AHS-109

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LONG ESSAY

2 X 10 = 20 Marks

1. Define and classify hypersensitivity. Write in detail on type-I hypersensitivity.
2. Classify immunity. Briefly explain innate immunity.

SHORT ESSAY

3 X 5 = 15 Marks

3. Molecular techniques in the diagnosis of infectious diseases.
4. Widal test
5. Universal safety precautions

SHORT ANSWERS

5 X 3 = 15 Marks

6. Define agglutination. Give two examples
7. Name four killed vaccines
8. Structure of immunoglobulin 'G'
9. Principle of VDRL test
10. Immunization schedule

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Pathology - II

Q.P Code: AHS-107

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LONG ESSAY

2 X 10 = 20 Marks

1. What are the steps in processing a tissue for histopathology? Explain in detail about section cutting.
2. Describe Papanicolaou's staining and identification of cells in a normal vaginal smear.

SHORT ESSAY

3 X 5 = 15 Marks

3. Reception of specimen
4. Errors in section cutting
5. Decalcification

SHORT ANSWERS

5 X 3 = 15 Marks

6. Honing
7. Types of moulds
8. Name two acid fast bacilli. What is the stain used to demonstrate them?
9. Composition of Bouin's fixative
10. Name two mercury containing fixatives. Where is it used

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