

B.Sc. Allied Health Sciences Third Year (Semester-II)

August 2014 Examination

Time : 2.30 Hrs.

Max. Marks : 50]

ANATOMY

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. Name the special sense organs. Draw a neat labeled diagram of eyeball. Name the extra ocular muscles.
2. Name the female reproductive organs. Describe uterus, parts, ligaments and blood supply.

SHORT ESSAY

3 X 5 = 15 Marks

3. Describe general characteristic feature of synovial joint.
4. Prostate gland
5. Testis

SHORT ANSWERS

5 X 3 = 15 Marks

6. Name the cerebellar nuclei.
7. Name the types of cartilage.
8. Name the meninges of brain.
9. Draw a neat labeled diagram histology of cardiac muscle .
10. Name the ear ossicles.

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PHYSIOLOGY

Max. Marks : 50]

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 the steps of synthesis and function of Thyroid hormones. Add a note on cretinism and Myxedema.
2. Cerebro spinal fluid-production, circulation, functions. Add a note on lumbar puncture.

SHORT ESSAY

3 X 5 = 15 Marks

3. List the contents and functions of middle ear.
4. Tests for ovulation.
5. Name the hormones of the anterior pituitary gland and add note on the hypo and hyper secretion of growth hormone.

SHORT ANSWERS

5 X 3 = 15 Marks

6. List the pregnancy diagnostic tests.
7. Parkinsonism.
8. Functions of testosterone.
9. List three features of diabetes mellitus.
10. Three functions of hypothalamus.

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BIOCHEMISTRY

Q.P Code : AHS - 105

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. What are the various preanalytical and analytical and post analytical errors. Add a note on quality control.
2. List out all individual steps under automation of analytical process.

SHORT ESSAY

3 X 5 = 15 Marks

3. Give the normal values of FBS, Urea creatinine, sodium and potassium
4. What are the grades of chemical reagents used in a laboratory.
5. Medico legal aspects for laboratory technicians

SHORT ANSWERS

5 X 3 = 15 Marks

6. Osmosis
7. Precision
8. Surface tension
9. Total allowable error
10. Glycated haemoglobin and its interpretation

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PATHOLOGY

Q.P Code : AHS - 107

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. What is fixative Describe in detail factors influencing the rate of fixation.
2. List out various types of microtomes. Describe in detail rotary microtome.

SHORT ESSAY

3 X 5 = 15 Marks

3. Describe honing with examples.
4. Frozen section.
5. What is progressive and regressive staining.

SHORT ANSWERS

5 X 3 = 15 Marks

6. Egg albumin adhesive.
7. How formalin pigment is removed from section.
8. Rake angle.
9. Methods to detect end point of decalcification.
10. Mention any three moutants used in histopathology.

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MICROBIOLOGY

Max. Marks : 50]

Q.P Code : AHS - 109

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Define and classify immunity. Describe in detail about innate immunity.
2. Classification of hypersensitivity reactions. Discuss in detail about delayed hypersensitivity.

SHORT ESSAY

3 X 5 = 15 Marks

3. Widal test.
4. IgG.
5. Universal immunization schedule.

SHORT ANSWERS

5 X 3 = 15 Marks

6. Enumerate antigen antibody reactions.
7. Enlist three universal safety precautions.
8. Name three types of ELISA.
9. Differences between primary and secondary immune responses.
10. Define antigen. Give two examples of incomplete antigens.

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