

B.Sc. Allied Health Sciences First Year (Semester-I)

Examination March-2012

Time : 2 Hrs.

[Max. Marks : 50]

SUBJECT : 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. Draw a neat diagram of heart. Add a note on blood supply of heart.
2. Give the classification of muscles. Draw neat labelled diagram of skeletal, cardiac and smooth muscle.

SHORT ESSAY

3 X 5 = 15 Marks

1. Classify synovial joints. Add a note on movement occurring at these joints
2. Foetal circulation
3. Name the layers of scalp. Add a note on nerve supply

SHORT ANSWERS

5 X 3 = 15 Marks

1. Give the origin and insertion of deltoid.
2. Give two peculiarities of sesamoid bones. Give any two examples.
3. Name the muscles forming boundaries of anterior triangle of neck.
4. Give the attachment of flexor retinaculum of hand. Name any two structures passing through the tunnel.
5. Name the bones forming lateral wall of nose. Mention any two arteries supplying it.

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Time : 2 Hrs.

[Max. Marks : 50]

SUBJECT : Physiology

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. Define erythropoiesis. Describe its stages. Mention four factors affecting it.
2. Define cardiac cycle. Explain its phases with diagrams.

SHORT ESSAY

3 X 5 = 15 Marks

3. Describe the modes of carbon dioxide transport.
4. Mention the phases of gastric juice secretion. Explain any one phase
5. Describe the process of urine formation

SHORT ANSWERS

5 X 3 = 15 Marks

6. List six functions of cell membrane
7. Draw a neat labelled diagram of normal ECG
8. Mention the functions of bile salts
9. List the complications of mismatched blood transfusion
10. Juxta glomerular apparatus

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Time : 2 Hrs.

[Max. Marks : 50]

SUBJECT : 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. Discuss cerebrospinal fluid analysis in detail.
2. Write a note on hematopoiesis and describe in detail the erythroid series of cells.

SHORT ESSAY

3 X 5 = 15 Marks

3. Discuss various methods of hemoglobin estimation
4. Anticoagulants
5. Blood grouping and cross-matching

SHORT ANSWERS

5 X 3 = 15 Marks

6. Erythrocyte sedimentation rate
7. Clotting time
8. RBC indices
9. Activated partial thromboplastin time
10. Packed cell volume

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Examination March - 2012

Time : 2 Hrs.

[Max. Marks : 50]

SUBJECT : 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 is chemical balance? Describe different types of balances and their uses.
2. Describe atomic structure, different theories.

SHORT ESSAY

3 X 5 = 15 Marks

3. Hendrson hasselbach equation
4. What are salts? Classify them with suitable example
5. P^H meter

SHORT ANSWERS

5 X 3 = 15 Marks

6. Normality
7. S.I Units
8. Valency
9. Random error
10. Accuracy

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Examination March - 2012

Time : 2 Hrs.

[Max. Marks : 50]

SUBJECT : Microbiology

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 sterilisation. Describe in detail sterilisation by autoclaving. Add a note on sterilisation controls.
2. Define infection. Describe the various modes of transmission of infections. Add a note on "Standard precaution"

SHORT ESSAY

3 X 5 = 15 Marks

3. Bacterial cell wall
4. Disposal sharps in Hospital Waste management
5. Quality control in antibiotic sensitivity testing

SHORT ANSWERS

5 X 3 = 15 Marks

6. Negative staining technique
7. Principle of Dark ground microscopy
8. Mention three methods of cultivating anaerobic bacteria
9. Mention three culture media used to transport specimens in diagnostic bacteriology
10. Mention three examples of motile bacteria

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