

2012-13

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences Examination February 2013

First Year (Semester-I)

Time : 2 Hrs.

[Max. Marks : 50]

Anatomy-I

QP Code : AHS-101

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Give the detailed classification of joints with example. Draw neat labelled diagram of synovial joint.
2. Mention the parts of respiratory system. Add a note on blood supply of heart.

SHORT ESSAY

3 X 5 = 15 Marks

3. Describe the pericardium of heart.
4. Give the boundaries and contents of femoral triangle
5. Spermatogenesis.

SHORT ANSWERS

5 X 3 = 15 Marks

6. Name the cartilages of larynx.
7. Name any six muscles of face.
8. Name three connective tissue fibres and three connective tissue cells.
9. External jugular vein-formation and termination.
10. Give different types of epiphysis. Give one example for each.

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[Max. Marks : 50]

Physiology

QP Code : AHS-103

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

LONG ESSAY

2 X 10 = 20 Marks

1. Define erythropoiesis. Describe the stages. Mention the factors influencing the same.
2. Define blood pressure. Give the normal values of systolic and diastolic blood pressure. Describe the physiological conditions that alter blood pressure.

SHORT ESSAY

3 X 5 = 15 Marks

3. Describe the movements of small intestine.
4. Define hypoxia. Describe the type of hypoxia with examples for each.
5. Describe the micturition reflex.

SHORT ANSWERS

5 X 3 = 15 Marks

6. Define erythrocyte sedimentation rate. Give its normal value.
7. Define cyanosis. Mention its types.
8. Draw a labelled diagram of ECG as seen in lead II.
9. List the functions of saliva.
10. Define glomerular filtration rate. Give the normal value.

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Pathology

QP Code : AHS-107

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Discuss semen analysis in detail.
2. Discuss urine analysis in detail.

SHORT ESSAY

3 X 5 = 15 Marks

3. Anticoagulants.
4. Discuss sputum examination.
5. Blood grouping and cross matching.

SHORT ANSWERS

5 X 3 = 15 Marks

6. RBC indices.
7. Packed cell volume.
8. Bleeding time.
9. Erythrocyte sedimentation rate.
10. Prothrombin time.

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First Year (Semester-I)

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[Max. Marks : 50]

Microbiology

QP Code : AHS- 109

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Define and classify sterilization. Add a note on gaseous disinfectants.
2. Write in detail on structure of bacteria with a labeled diagram.

SHORT ESSAY

3 X 5 = 15 Marks

3. Biomedical waste management.
4. Different modes of transmission of infection
5. How do you manage a needle prick injury?

SHORT ANSWERS

5 X 3 = 15 Marks

6. Pasteurization
7. What is an endemic disease? give two examples
8. Macconkey agar
9. What is a zoonotic disease? Give two examples
10. DPT vaccine

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B.Sc. Allied Health Sciences Examination February 2013

First Year (Semester-I)

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[Max. Marks : 50]

BIOCHEMISTRY

QP Code : AHS-105

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Describe Rutherford's model and Bohr's model of atomic structure. Explain the properties of electrons, protons and neutrons.
2. Define P^H . Indicate with a diagram the different parts of P^H meter add a note on preparation of buffer solution.

SHORT ESSAY

3 X 5 = 15 Marks

3. Preanalytical errors and post analytical errors.
4. Define an indicator. Explain the mechanism of dissociation of an indicator and mention the indicators used for titration.
5. Definition and classification of salts with examples.

SHORT ANSWERS

5 X 3 = 15 Marks

6. Derived units.
7. Precautions while using pipettes.
8. Define atomic weight and equivalent weight.
9. Anticoagulants used for blood collection.
10. Define bonds. Mention the different types of strong and weak bonds.

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