

2010 - 2011

**SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH**

**(A DEEMED TO BE UNIVERSITY)**

**B.Sc. Allied Health Science Examination (Semester-II) August-2011**

**Time : 2 Hrs.**

**[Max. Marks : 50]**

**ANATOMY**

**Q.P 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. Mention the parts of female reproductive system. Describe the uterus under the following headings
  - a) Parts      b) Supports      c) Blood supply      d) Applied anatomy
2. Describe the kidney under the following headings
  - a) Gross structure      b) Relations      c) Blood supply      d) Applied anatomy

**SHORT ESSAY**

**3X 5 = 15 Marks**

3. Histology of suprarenal gland
4. Blood supply to brain
5. Middle ear

**SHORT ANSWERS**

**5 X 3 = 15 Marks**

6. Mention the extraocular muscles
7. Draw and label a neuron
8. Mention the coverings of brain
9. Microscopic picture of thyroid gland
10. Lymphatic drainage to mammary gland

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**PHYSIOLOGY**

**Q.P 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. Describe neural regulation of respiration.
2. Explain mechanical events in cardiac cycle.

**SHORT ESSAY**

**3X 5 = 15 Marks**

3. List five properties of synapse. Explain any two.
4. Composition and functions of saliva
5. Draw and label ECG write the cause for each wave

**SHORT ANSWERS**

**5 X 3 = 15 Marks**

6. Types of hypoxia with example
7. Tests of hearing
8. Functions of cerebellum
9. Errors of refraction and its corrections
10. Movements of small intestine

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**BIOCHEMISTRY**

**Q.P 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 the causes and features of kwashiorkor and marasmus.
2. Describe the structure and functions of immunoglobulin.

**SHORT ESSAY**

**3X 5 = 15 Marks**

3. Nutritional importance of carbohydrates
4. Henderson-Hasselbach equation and its significance
5. Metabolic acidosis

**SHORT ANSWERS**

**5 X 3 = 15 Marks**

6. Normal values of (a) Serum calcium (b) Serum Cholesterol  
(c) Fasting blood glucose
7. State principle of electrophoresis
8. Sources and uses of theophylline
9. Anion gap
10. Define  $P^H$ . What is the normal  $P^H$  of blood

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**[Max. Marks : 50]**

**PATHOLOGY**

**Q.P 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. How to obtain ascetic fluid. What are the constituents of the diluting fluid used.  
What are parameters evaluated in a routine ascetic fluid analysis. (4+2+4)
2. What is tissue processing. Write in detail steps involved in tissue processing (4+6)

**SHORT ESSAY**

**3X 5 = 15 Marks**

3. What is decalcification. Name three decalcifying agents
4. What is a mordant and what are its uses
5. Differences between a transudate and exudates

**SHORT ANSWERS**

**5 X 3 = 15 Marks**

6. Parts of a microscope
7. Name five dehydrating agents
8. What is tissue embedding and what is the procedure
9. Indications for cerebrospinal fluid analysis
10. What is blueing and its significance.

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**MICROBIOLOGY**

**Q.P 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 Hypersensitivity reactions. Discuss in detail type-I Hypersensitivity reaction. (2+3+5)
2. Define and classify immune response. Discuss in detail Humoral immune response. (2+2+6)

**SHORT ESSAY**

**3X 5 = 15 Marks**

3. VDRL test
4. Universal safety precautions
5. Acquired immunity

**SHORT ANSWERS**

**5 X 3 = 15 Marks**

6. Contact dermatitis
7. Enumerate three mechanisms of innate immunity
8. Passive agglutination test
9. Sub unit vaccine
10. Draw neat labelled diagram of Iga antibody

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