

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.Sc. Molecular Biology & Human Genetics (Semester-I)
September 2020 Examination

Time: 2 Hrs.

[Max. Marks: 60]

Anatomy
Q.P Code: M1110

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

Long essay

1X10=10 Marks

1. Describe Uterus under the following headings a) Gross features b) Supports c) Blood supply. (2+6+2).

Short Essays

7X5=35 Marks

2. Define Bone. Classify the bones with examples
3. Illustrate the microscopic structure of Supra renal gland.
4. Summarize the Lateral wall of Nasal cavity
5. Discuss briefly the process of fertilization and its effects
6. Describe the Male urethra.
7. Describe the CSF.
8. Illustrate the eye ball with labeling

Short notes

5X3=15 Marks

9. List the differences between small and large intestine
10. Name the ear ossicles
11. Sesamoid bone – Features and Functions
12. Name the types of blood vessels
13. Illustrate microscopic anatomy of pancreas

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M.Sc. Molecular Biology & Human Genetics (Semester-I)

September 2020 Examination

Time: 2 Hrs.

[Max. Marks: 60]

Physiology

Q.P Code: M1120

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Long essay

(1X10=10)

1. Define Erythropoiesis? Describe the stages of the same and explain the factors regulating it
(1+6+3=10)

Short essay

(7x5=35)

2. Name the plasma proteins and give their functions in a tabular column.
3. Explain mechanism of HCl secretion
4. Define synapse and list three properties of the same.
5. Explain the glucose absorption in the PCT
6. Describe the causes and prevention of Erythroblastosis foetalis
7. Define cardiac output? What is the normal value and list three factors regulating it.
8. Explain the functions of growth hormone on metabolism and various systems.

Short answer

(5x3=15)

9. Define All or none law is it applicable to cardiac muscle.
10. Name the bile salts and bile pigments
11. List the components of the normal cell give the function of cell membrane
12. Define cyanosis and explain the cause.
13. Explain the immunological test for pregnancy

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