# SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
## (A DEEMED TO BE UNIVERSITY)
## Master of Science in Yoga (Semester-I)
## November-2020 Examination

**Time: 2.00 Hrs.**                                                    **[Max. Marks: 60]**

# Human Anatomy and Physiology

*Your answers should be specific to the questions asked.*
*Draw neat labelled diagrams wherever necessary.*
**(Use separate answer booklet for Section A & B)**

**Section – A**                                                    **(30 marks)**
## Human Anatomy
**Q.P. Code: M1345**

**Long Essay**                                                    **1X10=10 Marks**
1. List the lobes of brain .Explain the blood supply of brain (2+8)

**Short Essay**                                                    **4X5=20 Marks**
2. Describe Stomach parts with blood supply
3. List the joints of upper limb. Name the movements of shoulder joint with muscles involved
4. Describe the features of right lung
5. Name the parts of Pharynx


**Section -B**
## Human Physiology                                                    **(30 marks)**
**Q.P.code-M1346**
**(Use separate answer booklet for Section B)**

**Long Essay**                                                    **1X10=10 Marks**
1. With a neat labeled diagram explain the endometrial changes involved in menstrual cycle.

**Short essay**                                                    **4X5=20 Marks**
2. Describe the structure of lymphocyte .
3. Describe the functions of liver
4. Mention the normal pulse rate .Define the term bradycardia and tachycardia
5. Define GFR. Give the normal value


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## Master of Science in Yoga (Semester-I)
## November 2020 Examination

Time: 2.00 Hrs.                                                    [Max. Marks: 60]

### Research Methodology & Biostatistics
**Q.P CODE: M1350**

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

**Long Essay**                                              **1 X 10 = 10 Marks**

1. What are non-parametric tests? Mention 3 non parametric tests. Explain Chi-square test.

**Short Essay**                                               **7 X 5 = 35 Marks**

2. Classify sampling techniques with examples.
3. Standard deviation
4. Uses of computers in research.
5. Discuss the use of Student t test in yogic science with an example
6. Focussed group discussion
7. The effect of a new yogic intervention is being tested on 24 patients with diabetes. 12 patients received the new yogic intervention and 12 did not receive any. After two weeks their anxiety scores are measured. The values are given below. Does the new yogic intervention affect their anxiety scores? (Critical value at 5% LOS -1.96)

| Group | Number | Mean Weight of Kidneys | SD |
|---|---|---|---|
| Control | 12 | 7.35 | 2.06 |
| Experiment | 12 | 5.20 | 2.51 |

8. List the sources of primary and secondary data collection. Differentiate between 'Questionnaire' and 'Schedule'. (6+4)

**Short Answers**                                             **5 X 3 =15 Marks**

9. Two advantages and disadvantages of Mean
10. PICOT criteria
11. Basic principles of frequency distribution
12. Types of errors in testing of hypothesis
13. Problems faced by researchers in India.

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