

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Integrated Clinical Nutrition and Dietetics (CND)

First Year Semester-I, July/August-2019 Examination.

Time: 2.00 Hrs.

[Max. Marks: 50]

HUMAN PHYSIOLOGY

Q.P Code: N1010

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 6 = 12 Marks

1. Define blood pressure. Give the normal value. List the Physiological factors affecting blood pressure
2. Describe the composition & functions of gastric juice secretion

SHORT ESSAY

6X 4 = 24 Marks

3. Enumerate the immediate and delayed blood transfusion reactions
4. List the functions of cerebellum
5. List the functions of juxta glomerular apparatus
6. Outline the steps involved in phagocytosis
7. Name the muscles involved in respiration.
8. List the hormones secreted by Adrenal cortex and its functions

SHORT ANSWER

7 X 2 = 14 Marks

9. List the hormones secreted from placenta
10. Classify permanent methods of contraceptives
11. List the steps involved in urine formation
12. Classify immunity
13. List the steps of hemostasis
14. List the stages of deglutition
15. Define passive transport mechanism

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**Integrated B.Sc. – M.Sc. Clinical Nutrition and Dietetics (CND)
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Time: 2.00 Hrs.

[Max. Marks: 50]

NUTRITIONAL BIOCHEMISTRY

Q.P Code: N1020

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

LONG ESSAY

2x6=12Marks

1. Define Enzymes. Enumerate the various factors affecting enzyme activity. (1+5)
2. Define β -oxidation. Explain the β -oxidation of Palmitic acid. (1+5)

SHORT ESSAY

6x4=24Marks

3. Explain different transport mechanisms across cell membrane with suitable examples.
4. Describe the structure of tRNA with a neat labelled diagram.
5. Describe the transport and storage of iron. (2+2)
6. Define genetic code. Write the characteristics of genetic code (1+3)
7. Classify complex lipids with examples and biomedical importance.
8. Explain the biochemical functions and deficiency manifestations of Ascorbic acid. (2+2)

SHORT ANSWERS

7x2=14Marks

9. What is the normal blood urea level? Name any two conditions in which blood urea levels are increased.
10. Define Isoelectric pH. Mention its significance.
11. Define high energy compounds. Give two examples.
12. Name thyroid hormones.
13. Mention the derivatives of cholesterol and write their biomedical importance.
14. What are uncouplers? List any two uncouplers.
15. Define lipoproteins. Give two examples.

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Time: 2.00 Hrs.

[Max. Marks: 50]

FUNCTIONAL HUMAN ANATOMY

Q.P Code: N1030

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

LONG ESSAY:

6X2=12Marks

1. Describe the relations and blood supply of stomach.
2. Define the Broncho pulmonary segments and explain in detail about broncho-pulmonary segments of Left lung.

SHORT ESSAY:

6X4=24Marks

3. Illustrate the functional areas of superolateral surface of cerebrum.
4. Describe the microscopic structure of cornea.
5. List the cranial nerves in order.
6. Mention the steps of fertilization.
7. List the ligaments of Liver.
8. Blood supply of long bone.

SHORT ANSWER:

7X2=14Marks

9. List the openings in middle meatus.
10. List the coverings of Kidney.
11. Name the ear ossicles.
12. Name the parts of Neuron.
13. Name the branches of coeliac trunk.
14. Draw a labelled diagram of microscopic structure of dorsal root ganglion.
15. Parotid duct.

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