Integrated B.Sc. – M.Sc. Clinical Nutrition and Dietetics (CND) First Year Semester-I, June-2018 Examination

Time: 2.00 Hrs. [Max. Marks: 50]

HUMAN PHYSIOLOGY-I

Q.P Code: CND-111

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. Explain the short term regulation of BP.

2. Define Glomerular filtration rate (GFR), give its normal value. List the factors influencing it.

SHORT ESSAY **6X 4 = 24 Marks**

3. List the functions of saliva.

4. Classify hypoxia, describe any one with an example.

5. Name the plasma protein. Explain their functions.

6. Describe the phases of gastric secretion.

7. What is surfactant. Explain its functions.

8. List the differences between the first and second heart sounds.

SHORT ANSWER **7 X 2 = 14 Marks**

9. List two functions of platelets.

10. Name two anticoagulants.

11. Draw a labeled diagram of ECG.

12. Define tidal volume and give its normal value.

13. Draw a neat labeled diagram of nephron.

14. Name four enzymes of pancreatic juice.

15. Name the types of cyanosis.

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Time: 2.00 Hrs.   **[Max. Marks: 50]**

NUTRITIONAL BIOCHEMISTRY

Q.P Code: CND-113

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

LONG ESSAY   **2 X 6 = 12 Marks**

1. Classify enzymes with suitable examples.

2. Write the formation of urea from ammonia.

SHORT ESSAY   **6X 4 = 24 Marks**

3. What are the factors affecting enzyme activity?

4. Active transport.

5. Biological effects of glucocorticoids.

6. Biomedical functions of ascorbic acid.

7. Genetic code.

8. Metabolic acidosis.

SHORT ANSWER   **7 X 2 = 14 Marks**

9. Give two examples of reducing disaccharides.

10. What is the significance of gluconeogenesis?

11. Name the ketone bodies.

12. Iodine value.

13. Coenzyme forms of thiamine.

14. High energy compounds.

15. Name two lipotropic factors.

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