

**Q.P. Code: 115004**

**Reg. No.:.....**

**First BHMS Degree Supplementary Examinations April 2024**

**Physiology & Biochemistry II**

**Time: 3 hrs**

**Max marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answer*
- *Draw diagram wherever necessary*

**Long Essay**

**(2x15=30)**

1. What are catecholamines. Explain the synthesis, metabolism, actions and regulation of secretion of catecholamines. (2+4+2+4+3)
2. Describe the glycogen metabolism. Write note on glycogen storage diseases. (10+5)

**Short Essay**

**(5x8=40)**

3. Describe the classification of carbohydrates.
4. Nucleus and functions of hypothalamus.
5. Describe the sources, functions and deficiency of vitamin – A.
6. Composition and functions of pancreatic juice.
7. Explain the mechanism of hearing.

**Short notes**

**(10x3=30)**

8. Antidiuretic hormone.
9. Basal metabolic rate.
10. Balanced diet.
11. Neurotransmitters.
12. Upper motor neuron and its lesion.
13. Importance of micronutrients.
14. Functions of placenta.
15. Functions and deficiency of vitamin – K.
16. Gluconeogenesis.
17. Classification of amino acid.

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