

**Q.P. Code: 115004**

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

**First BHMS Degree Supplementary Examinations October 2023**

**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. Name the hormones of adrenal cortex. Explain the actions, Hyper and Hypo activities of cortical hormones (3+7+5)
2. Define Carbohydrates. Classify them with examples

**Short Essay**

**(5x8=40)**

3. Trace the pyramidal tract. Mention five differences between upper motor neuron lesion and lower motor neuron lesion
4. Describe functions of pancreatic juice
5. HMP pathway
6. Outline the optic pathway. Mention the effect of lesion at different parts of the pathway
7. Define basal metabolic rate. Mention the normal value. Explain the factors affecting the BMR

**Short notes**

**(10x3=30)**

8. Ketosis
9. Define Synapse. Classify synapse
10. Outline the mechanism of HCl formation
11. Trace the taste pathway
12. Transamination
13. Classify fatty acids
14. Outline the formation and circulation of cerebrospinal fluid
15. Classify enzymes
16. Isoenzymes
17. Obesity

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