

**Q.P. Code: 115004**

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

**First BHMS Degree Supplementary Examinations July 2022**

**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. Explain TCA cycle and blood sugar regulation (10+5)
2. Name the ascending tracts. Explain the pathway of pain and posterior column tracts. ( 2+8+5)

**Short Essay**

**(5x8=40)**

3. Define deglutition. Explain the Mechanism of deglutition
4. Classification of enzymes
5. Describe the uterine phase of menstrual cycle
6. Name the content of middle ear. Describe the functions of middle ear
7. Explain Vitamin D in terms of sources, daily requirement and functions

**Short notes**

**(10x3=30)**

8. Define myxoedema. Mention the clinical features of it
9. Define reflex. Draw the reflex arc. Mention the components of reflex arc
10. List the functions of saliva
11. Define colour blindness. Classify colour blindness
12. Mention the functions of placenta
13. Classify polysaccharides with two examples each
14. Define transamination. Give examples
15. Define pellagra. Mention the clinical manifestations of pellagra
16. Outline the entero-hepatic circulation
17. Name the ketone bodies. Mention four causes for ketosis

\*\*\*\*\*