

**Q.P. CODE: 112019**

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

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree  
Regular/Supplementary Examinations March 2022**

**Paper II – Physiology**

**(2016 Scheme)**

**(Common for both specialty)**

**Time: 3 Hrs**

**Max. Marks: 50**

- *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 answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays:**

**(2x10=20)**

1. Enumerate the functions of spinal cord. Briefly explain touch pathway.
2. Write the composition of gastric juice. Explain briefly the digestion of carbohydrate in mouth, stomach and intestine.

**Short Notes:**

**(2x5=10)**

3. Define cardiac cycle. Enumerate and explain the changes during different phases of cardiac cycle
4. Enumerate endometrial phases of menstrual cycle. Write briefly on endometrial phase.

**Answer briefly:**

**(10x2=20)**

5. Functions of middle ear
6. List lung volumes. Define tidal volume
7. Effects of exercise on respiration
8. Mechanism of muscle contraction.
9. Stages of spermatogenesis.
10. Changes in foetal circulation after delivery
11. Actions of thyroid hormone on carbohydrate metabolism
12. Functions of platelets.
13. Micturition reflex.
14. Functions of cerebrospinal fluid

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