

Q.P. CODE: 112019

Reg. No:

**First Year B.Sc Medical Microbiology & Medical Biochemistry Degree
Regular/Supplementary Examinations June 2021 (August 2020)**

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 stages of urine formation. Explain the first stage in detail.
2. List the hormones of adrenal gland. Explain briefly the actions of adrenal medullary hormones.

Short Notes:

(2x5=10)

3. Mechanisms of carbondioxide transport.
4. Enumerate ovarian phases of menstrual cycle. Write briefly on ovarian phases

Answer briefly:

(10x2=20)

5. Circulation of CSF
6. Errors of refraction
7. Functions of liver
8. Enumerate the properties of cardiac muscle.
9. Functions of Juxtaglomerular apparatus
10. Stages of erythropoiesis
11. Actions of insulin and glucagon on carbohydrate metabolism
12. Functions of placenta
13. Role of skin in temperature regulation
14. Tidal volume
