

Q.P. Code: 224005

Reg. No:

**Second Professional B.S.M.S Degree Regular/Supplementary Examinations
March 2021**

Udal Thathuvam Paper – II (Physiology)

(2016 Scheme)

Time: 3 Hrs

Max. Mark: 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 answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(2x10=20)

1. Describe the process of urine formation
2. Describe the nervous and renal mechanism for regulation of blood pressure.

Short notes:

(10x5=50)

3. Functions of ascending tracts of spinal cord.
4. Hormonal regulation of menstrual cycle.
5. Hypoxia-types,causes and effects.
6. Chemistry,formation and functions of surfactant.
7. Functions of Mineralocorticoids.
8. Sodium-Potassium pump.
9. Stages of circulatory shock.
- 10.Erythroblastosis fetalis.
- 11.Neuromuscular transmission.
- 12.Functions of liver.

Answer Briefly:

(10x3=30)

- 13.Properties of white blood cells.
- 14.Acclimatization.
- 15.Synapse
- 16.Proprioceptors.
- 17.Enterohepatic circulation.
- 18.Cushing's syndrome.
- 19.Diabetes insipidus
- 20.Glaucoma.
- 21.Functions of testosterone in fetal life.
- 22.Conductive system in human heart.
