

# 2013 Scheme

Q.P. Code. 214005

Reg. No:.....

## Second Professional B.S.M.S Degree Supplementary Examinations September 2022

### Udal Thathuvam - Paper II (Physiology)

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. Write in detail about Erythropoiesis
2. Write in detail about the ovarian changes during menstrual cycle.

#### Short Notes:

(10x5=50)

3. Sodium – potassium pump
4. Neuro muscular transmission
5. Renin-angiotensin system
6. Functions of Aldosterone
7. Explain the stages of synthesis of thyroid hormones
8. Fetal circulation
9. Functions of Pancreatic juice
10. Surfactant
11. Auditory pathway
12. Blood brain barrier

#### Answer Briefly:

(10x3=30)

13. Myasthenia gravis
14. Functions of sarcotubular system
15. Juxta glomerular apparatus
16. Glomerular filtration rate
17. Ejection fraction
18. Refractory period and its types.
19. Actions of cholecystokinin
20. Residual Volume
21. Myelin sheath
22. Syringomyelia

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