

2010 Scheme

Q.P. Code: 103001

Reg. No.:

First Professional MBBS Degree Supplementary Examinations July 2022

Physiology - Paper I

Time: 3 Hours

Total 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

Long essay (10)

1. A man who met with an accident had blood transfusion following which he developed rashes and severe pallor. Answer the following:
 - What is the cause for pallor in this patient
 - Enumerate the hazards of mismatched blood transfusion
 - What are the precautions to be taken before blood transfusion
 - Mention the etiological classification of anemia(1+3+3+3)

Short essays (2x5 =10)

2. Medullary control of blood pressure
3. Regulation of gastric secretion

Answer briefly (5x3=15)

4. Diuresis
5. Herring Breuer reflexes.
6. Triple response
7. Bile salts
8. Acquired immunity

Draw and label (2x2½ =5)

9. Carbon dioxide dissociation curves
10. Draw a graph to illustrate pressure changes within urinary bladder as it is gradually filled

Explain the physiological basis of the following (5x2=10)

11. Steatorrhea
12. Sleep apnea
13. Pacemaker potential
14. Breath holding time
15. Pre hepatic jaundice