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<u>2019 Scheme</u>	
Q.P. Code: 116001	Reg. no.:
First Professional MBBS Degree Regular/Supplementary Examinations February 2023 Biochemistry - Paper II	
Time: 3 Hours Total Marks: 100	
Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers •	
<ul> <li>Indicate the question number correctly for the answer in the</li> <li>Answer all parts of a single question together • Leave sufficient</li> </ul>	
Draw table/diagrams/flow charts wherever necessary	
Long Essays	(2x15=30)
<ol> <li>35-year-old female, housewife, presented to the weakness, breathlessness and palpitations since had complaints of excessive menstrual bleeding diet. Investigations revealed her hemoglobin was 7 a) What is the probable diagnosis</li> <li>b) Describe the sources, RDA, functions, absorpmineral involved</li> <li>c) Describe the biochemical investigations and be definition, steps and inhibitors of translation</li> </ol>	3 months. History revealed that she . She had followed strict vegetarian 7 gm/dl. (1) otion, transport and deficiency of the (1+1+3+3+2) blood picture relevant to this case (4) (1+11+3)
Short essays	(5x8=40)
<ol> <li>Diagrammatically represent the structure of trna. E</li> <li>Principle and applications of Beer-Lamberts law. A</li> <li>Classify renal function tests. Describe clearance to Describe PCR and its applications. Add a note on of covid-19</li> <li>Discuss the structure and functions of immunog antibodies</li> <li>Short answers</li> </ol>	add a note on colorimetry (3+5) ests in detail (5+3) its significance in diagnosis (4+2+2)
<ul> <li>8. Contractile proteins</li> <li>9. Mucosal block theory</li> <li>10. Salvage pathway</li> <li>11. Effects of free radicals</li> <li>12. Detoxification by conjugation</li> </ul>	
Give Precise Answers  13. Biochemical defect in orotic aciduria  14. Disease associated with DNA repair  15. What is a telomere  16. Function of calcium responsible for prevention of to the telephone to the telephone  17. Western blot  18. Reverse transcriptase  19. Benzoic acid, a food preservative, is detoxified by the telephone  20. Two causes for respiratory acidosis  21. Microalbuminuria  22. Two functions of magnesium	·