

www.FirstRanker.com 2010 Scheme www.FirstRanker.com

Q.P. Code: 103001

Reg. No.: .....

## First Professional MBBS Degree Supplementary Examinations March 2021

## Physiology - Paper I

<ul> <li>Time: 3 Hours</li> <li>Answer all questions to the point neatly and legibly • Do not leave any bl answers • Indicate the question number correctly for the answer in the</li> <li>Answer all parts of a single question together • Leave sufficient space be</li> <li>Draw table/diagrams/flow charts wherever necessary</li> </ul>	margin space
Long essay	(10)
<ol> <li>A 20 year old boy climbing a mountain suffered from shortness reaching about 3200m from sea level. Answer the following         <ul> <li>Define hypoxia</li> <li>Probable cause of hypoxia in this case</li> <li>Characteristic features of different types of hypoxia</li> <li>Treatment of hypoxia</li> <li>Different types of cyanosis and their causes</li> </ul> </li> </ol>	ss of breath after (1+1+4+2+2)
Short essays	(2x5 =10)
<ol> <li>Describe the mechanisms of blood coagulation</li> <li>Define cardiac output, cardiac index. Regulation of cardiac output</li> </ol>	(50-45)
<ul> <li>Answer briefly</li> <li>4. Transport of CO<sub>2</sub> in blood</li> <li>5. Factor affecting glomecular filtration rate</li> <li>6. Functions of bile</li> <li>7. Iron deficiency anaemia</li> <li>8. Hering –Breuer reflex</li> </ul>	(5x3=15)
Draw and label	(2x2½ =5)
9. Normal spirogram 10.Juxtaglomerular apparatus	
Explain the physiological basis of the following	(5x2=10)
11.AV nodal delay 12.Hyperthermia 13.Jaundice 14.Polycythemia at high altitude 15.Myocardial infarction	

www.FirstRanker.com

\*\*\*\*\*