Code: 103001	Reg. no.:
First Professional MBBS Degree Supple	ementary Examinations, February 2013
PHYSIOLOGY – Paper I	
Time: 3 Hours  • Answer all question • Draw Diagrams who	
<ul> <li>1. A 48 year old man suffering from diab micturition</li> <li>What is the physiological basis of the po</li> </ul>	etes mellitus had increased frequency of lyuria n the nephron for the concentration of urine
Short essays	(2x5 =10)
<ol> <li>Explain the ionic basis of pacemaker po Mention the changes during sympathetic sti</li> <li>Explain the mechanism of temperature regular</li> </ol>	mulation
Answer briefly	(5x3=15)
<ol> <li>Mechanism of HCl secretion by gastric parie</li> <li>Haemophilia</li> <li>Timed vital capacity</li> <li>Factors influencing venous return</li> <li>Plasma cell.</li> </ol>	etal cells
Draw and label	$(2x2\frac{1}{2}=5)$
9. Nephron 10.ECG of lead II	
Explain the physiological basis of the follow	ving (5x2=10)
<ul><li>11. Physiological jaundice</li><li>12. Deglutition apnoea</li><li>13.Reticulocytosis</li><li>14. Alveoli do not collapse during expiration</li><li>15. Bleeding tendency in Vitamin K deficiency</li></ul>	
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