

15M00A03

Madhya Pradesh Medical Science University

First MBBS (Main) Examination 2015

Physiology Paper 1

Time : 3 Hours

Maximum Marks: 50

- Note
- (a) Attempt all questions in the same serial order.
 - (b) Draw well labelled diagrams wherever necessary.

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| Q1 | Enumerate determinants of blood pressure. Discuss the role of baroreceptors in regulation of arterial blood pressure. | 5 |
| Q2 | Describe the factors affecting glomerular filtration. | 5 |
| Q3 | Write short notes on: | 3 |
| | (A) Carbon dioxide carriage in blood | 3 |
| | (B) Extrinsic pathway of blood coagulation | 3 |
| | (C) Infant Respiratory Distress Syndrome | 3 |
| | (D) Secretion of bile | 3 |
| | (E) Active transport across cell membrane | 3 |
| | (F) Deglutition | 3 |
| | (G) A Normal ECG waveform in Standard Limb lead II | 3 |
| | (H) Gastrin | 3 |
| | (I) ABO Blood groups | 3 |
| | (J) Pre-Botzinger complex | 3 |
| Q4 | Write in brief: | 1 |
| | (A) Define Physiological dead space | 1 |
| | (B) Define peristalsis | 1 |
| | (C) Define ejection fraction | 1 |
| | (D) Define Glomerular filtration rate | 1 |
| | (E) Define Antigen | 1 |
| | (F) Define hypercapnia | 1 |
| | (G) Define a macrocyte | 1 |
| | (H) Define Diastasis | 1 |
| | (I) Draw and label Jugular Venous Pulse | 1 |
| | (J) Draw and label normal spirogram | 1 |