

**Madhya Pradesh Medical Science University (MPMSU)****1st Professional MBBS Examination****Paper Code: 16MOOB03****2016 (Supplementary)****Physiology Paper- I**

Time 3 Hours

Max. Marks: 50

Note: (a) Attempt all questions in the same serial order.

(b) Draw well labelled diagrams wherever necessary.

Q1. What is a cardiac cycle? Diagrammatically represent phases in a cardiac cycle when heart is beating at the rate of 75/min. 5

Q2. Describe Erythropoiesis. 5

Q3. Write short notes on: 3x10=30

- a) Oxygen carriage in blood
- b) Juxtaglomerular apparatus
- c) Hertng—Breuer reflex
- d) Secretion of gastric acid
- e) Resting membrane potential
- f) Peristalsis
- g) Functions of thrombocytes (blood platelets)
- h) Cholecystokinin – pancreaticozym
- i) Rh Blood groups
- j) Lung volumes and capacities (Diagrammatic representation only)

Q4. Write in brief: 10x10=10

- a) Define Q-T interval
- b) What is Chyme'?
- c) Define ejection fraction
- d) Define P_2 O_2
- e) Define Phagocytosis





- f) Define hypoxia
- g) Define renal clearance
- h) Define Arterial blood pressure
- i) Define Lung Compliance
- j) Define Bohr effect

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