

**Madhya Pradesh Medical Science University (MPMSU)****1st Professional MBBS Examination****Paper Code: 17BM0000100551****Winter 2018****Physiology Paper- I**

Time 3 Hours

Max. Marks: 50

1. All Questions are Compulsory
2. Draw diagrams whenever necessary
3. Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not to be valued.
4. Do not write anything on the blank portion of the question paper. If written anything such type of act will be considered as an attempt to resort to unfair means.

Q1. Long Answer Question**5x2=10**

- a. Describe mechanisms involved in blood coagulation
- b. Describe chemical control of respiration

Q2. Short Answer Question**10x3=30**

- a. Humoral immunity
- b. First & Second heart sound
- c. Renin Angiotensin System
- d. AIDS
- e. Fluid mosaic model of cell membrane
- f. Hypoxia
- g. Leptin and Ghrelin
- h. Movement of gastrointestinal tract
- i. Describe how venous return can affect cardiac output
- j. Define blood pressure. Explain role of baroreceptors in regulation of blood pressure.

Q2. Very Short Answer Question**10x1=10**



- a. Define Oxygen Carrying Capacity of blood
- b. Antidiuretic hormone
- c. Normal platelet count in blood
- d. Functional Residual capacity of lungs
- e. Renal threshold of glucose
- f. Shock
- g. Ejection fraction
- h. QRS complex
- i. Surfactant
- j. Enzymes in pancreatic secretion

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