


Madhya Pradesh Medical Science University, Jabalpur
MBBS 1st Professional Examination 2017(summer)
Question Paper Code - 17AM0000100551
Physiology - Paper 1
Time : 3:0 Hours
Maximum Marks: 50
Note:

Instructions:

- 1) All questions are compulsory.
- 2) Draw diagrams wherever 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 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.

Q.1 Long Answer Questions
2 x 5 = 10

- A) Define haemopoiesis. Describe Erythropoiesis. Add a note on factors affecting erythropoiesis.
- B) Describe in brief the pressure and volume changes in the left ventricle during a cardiac cycle.

Q.2 Write short notes on:
10 x 3 = 30

- a) Fibrinolytic system.
- b) Neural regulation of ventilation (respiration).
- c) Hering - Breuer reflex.
- d) Transport of carbon di-oxide in blood.
- e) Factors affecting cardiac output.
- f) Factors affecting Glomerular Filtration Rate (GFR).
- g) Counter Current Multiplier Function of loop of Henle.
- h) Differences between hemolytic and obstructive jaundic.
- i) Regulation of Pancreatic Secretion.
- j) Pacemaker potential.

Q.3 Choose one in not more than five lines
10 x 1 = 10

- D) Automatic Bladder.
- E) Renal splay.
- F) Characteristics of Active Transport.
- G) Characteristics of Action Potential.
- H) Starling Filtration Principal. (Starling Filtration Forces).
- I) Functions of Bile salts.
- J) Chemical gastrectomy.
- K) HMCCHC.
- L) IgG