



PF-4650

Seat No. _____

First Year M. B. B. S. Examination

July - 2018

Physiology : Paper - I

Time : 3 Hours]

[Total Marks : 50

- Instructions :** (1) Answer to the point.
(2) Figures to the right indicate marks.
(3) Draw diagrams wherever necessary.
(4) Write legibly.
(5) Use separate answer books for each section.

SECTION - I

- 1 Enumerate clotting factors and describe the process of coagulation. 8

OR

Discuss in detail ABO and Rh blood group systems. 8
Add a note on hazards of mismatched blood transfusion.

- 2 Write short notes on : 8
(A) Functions of bile OR Deglutition
(B) Compliance OR Acclimatization
- 3 (A) Describe pathophysiology of peptic ulcer. 5
(B) Explain briefly : 4
(1) What is enterohepatic circulation?
(2) What is obligatory urinary output?
(3) What is Biot's breathing?
(4) What is sickle cell anaemia?

SECTION - II

- 1 Define cardiac output. Explain in detail factors affecting cardiac output and regulation of cardiac output. 8

OR

Define cardiac cycle. Discuss in detail various volume and pressure changes during cardiac cycle. 8

- 2 Write short notes on : 8

(A) Juxta glomerular apparatus OR Glomerular filtration rate

(B) Hypoxia OR Oxygen-haemoglobin dissociation curve

- 3 (A) Define blood pressure. Explain short term regulation of blood pressure. 5

(B) Explain briefly : 4

(1) Cyanosis does not develop in severely anaemic female.

(2) What is dialysis?

(3) Blood does not clot in the circulation.

(4) What are cholagogue and choloretic agents?
