


ER-4003
First Year M. B. B. S. Examination
January - 2017
Physiology : Paper-I

 Time : $2\frac{1}{2}$ Hours]

[Total Marks : 50

Instruction :

-બધા તારીખ અને સમયો સખરો ઉભરવડો યા અચલ અચલ. Fill up strictly the details of signs on your answer book.		Seat No. :
Name of the Examination : F. Y. M. B. B. S.		
Name of the Subject : PHYSIOLOGY : PAPER-I		
Subject Code No. : 4 0 0 3	Section No. (1, 2, ...) : 1&2	

SECTION - I

- 1 Define Cardiac cycle. Depict the events of Cardiac cycle. 8
- 2 Any 3 out of 4 : 12
 - (1) Composition & function of pancreatic juice.
 - (2) Vomiting.
 - (3) HCl synthesis in Stomach.
 - (4) Function of Saliva.
- 3 Answer in short : (any 5 out of 6) 5
 - (1) Significance of P wave in ECG.
 - (2) Define Stroke Volume. Give its normal value in healthy.
 - (3) Functions of Mitochondria.
 - (4) Define Cotransport.
 - (5) Function of Gallbladder.
 - (6) Enumerate Myoproteins.

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[Contd...

SECTION - II

- 4 Answer briefly : (Any 4 out of 5) 8
- (1) Function of RBCs
 - (2) Function of JGA
 - (3) Function of Loop of Henle of Nephron
 - (4) Erythro poetin
 - (5) Macrocytic Anemia.
- 5 Short notes on : (any 3 out of 4) 12
- (1) Surfactant
 - (2) O₂ dissociation curve
 - (3) Define & classify Hypoxia. Explain causes of hypoxia.
 - (4) Vital capacity.
- 6 Answer in 1-2 sentences : (any 5 out of 6) 5
- Write normal values of
- (1) Normal respiratory rate
 - (2) Platelet count
 - (3) GFR value
 - (4) Tidal volume
 - (5) Daily urine output
 - (6) Physiological dead space.