FirstRanker.com
Firstranker's choice
www.FirstRanker.com www.FirstRanker.com

RAN-3702

RAN-3702

First Year M.B.B.S. Examination

March / April - 2019

Physiology : Paper-I

Time: 2:30 Hours] **[Total Marks: 50**

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ ☛ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of ☛ signs on your answer book

Name of the Examination:
☛ **First Year M.B.B.S.**

Name of the Subject :
☛ **Physiology : Paper-I**

Subject Code No.: 3 7 0 2

Seat No.:

Student's Signature

(2) Draw diagrams and flow chart wherever required.

SECTION - I

1 Describe in detail anticoagulant mechanism. 8

2 Write short on any three 12

a) Timed vital capacity

b) Factors affecting Erythropoiesis

c) Micturition Reflex

d) Fate of haemoglobin

3 Answer in brief in 1-2 sentences: (any 5) 5

a) What is Antigen?

b) What is sinus arrhythmia?

FirstRanker.com
Firstranker's choice
www.FirstRanker.com

FirstRanker.com
Firstranker's choice
www.FirstRanker.com www.FirstRanker.com

c) Define Mean blood pressure

d) Desmosomes

e) Pinocytosis

f) What is inspiratory ramp?

SECTION - II

4 Write notes in short on any 4: 8

a) Endothelium derived relaxing factor (EDRF)

b) Describe standard (Bipolar) limb leads

c) Cyanosis : Definition, Pathophysiology, Causes

d) Mechanism of secretion of HC1 in stomach

e) Absorption of Fats

5 Write short notes on any 3: 12

a) Explain the mechanism of venous return, how does it affect cardiac output

b) What is deglutition? Explain its mechanism in detail

c) Infants respiratory distress syndrome

d) Describe short term regulation of blood pressure

6 Answer in brief for any 5: 5

a) What is peristaltic rush?

b) Marey's Law

c) What is one kidney Goldblatt hypertension?

d) Inhalation of 100% pure O_2 in normal individuals may cause decrease in respiration.

e) Surfactant helps to prevent pulmonary oedema by reducing surface tension. How?

f) Why is creatinine clearance used as a measure of glomerular filtration rate (GFR)?

firstranker.com
www.FirstRanker.com

FirstRanker.com
Firstranker's choice
www.FirstRanker.com