


RAN-3702
First MBBS Examination
October - 2020
Physiology : Paper - I (Old)
Time: 2.30 Hours]
[Total Marks: 50
સૂચના : / Instructions

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

Name of the Examination:

First MBBS

Name of the Subject :

Physiology : Paper - I (Old)

Subject Code No.: 3 7 0 2

Seat No.:

Student's Signature

Section - I

- Q-1.** Define cardiac output. Discuss the factors regulating cardiac output. **08**
- Q-2.** Write short notes on any three: **12**
- Cell membrane
 - Lung volume and capacities
 - T tubules
 - Neuronal regulation of breathing
- Q-3.** Answer in brief in 1-2 sentence. (any 5) **08**
- Define aneamia
 - What is pacemaker
 - Define Tachycardia
 - Composition of pancreatic juice
 - Name any one anticoagulant
 - Significance of blood group

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[P.T.C

**Section - II**

- Q - 4. Write notes on. (any 4)** 08
- (a) Function Neutrophils
 - (b) Functions of gall bladder
 - (c) Sarcomere
 - (d) Myasthenia gravis
 - (e) Function of pepsinogen in gastric juice
- Q - 5. Write notes on. (any 3)** 12
- (a) Salivary secretion
 - (b) Erythropoiesis
 - (c) Nephron
 - (d) Systolic blood pressure
- Q - 6 Answer in brief. (any 5)** 05
- (a) Normal ESR value in an adult
 - (b) "Renal threshold for glucose is 180 mg/dl." True/false?
 - (c) "Plasma proteins are synthesized by liver." True/ false?
 - (d) What is the disease caused by Deficiency of factor VIII ?
 - (e) What is the resting membrane potential of large nerve fiber?
 - (f) What is normal Body fluid osmolarity?

