



BA-3702

First Year M. B. B. S. Examination

November/December - 2017

Physiology : Paper - I

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

[Total Marks : 50

Instruction :

ಗ್ರಹಿಸಿ : ಈ ಪರೀಕ್ಷೆಯಲ್ಲಿ ನಿಮ್ಮ ಹೆಸರನ್ನು ಸರಿ ಹಾಕಿ.
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

Section No. (1, 2,) :

1&2

Seat No. :

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Student's Signature

SECTION - I

- What are various modes of transport across cell membrane ? Explain with examples. $1 \times 8 = 8$
- Write notes on : (any three out of four) $3 \times 4 = 12$
 - ABO blood group system
 - Movements of small intestine
 - Cross bridge cycle
 - Cardiovascular changes in moderate exercise
- Answer in short : (any five out of six) $5 \times 1 = 5$
 - What are 'Intercalated discs' ?
 - What is protective function of saliva ?
 - Define 'Cardiac index'. What is its normal value ?
 - Name the Vit K dependent coagulation factors.
 - What is aplastic anemia ?
 - What is Tubuloglomerular feedback ?

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[Contd....



SECTION - II

- 4 Answer in short : (any four out of five) 4×2=8
- Enumerate factors maintaining gastroduodenal 'mucosal barrier'.
 - Draw and label 'Oxygen-Hb dissociation curve'.
 - What are functions of Gastrin ?
 - Functions of Juxtaglomerular apparatus.
 - What is AV nodal delay ?
- 5 Write notes on : (any three out of four) 3×4=12
- ECG
 - Artificial respiration
 - Characteristics of coronary circulation
 - Nervous regulation of respiration
- 6 Answer in 1-2 sentences : (any five out of six) 5×1=5
- What is Anatomical 'Dead space' ? Give its normal value.
 - Enumerate types of antibodies.
 - Define renal clearance.
 - What is 'Angina pectoris' ?
 - What is normal value of platelet count ?
 - Define 'Circulatory shock'.