Total Number of Pages-3 AL-MBI

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Full Markey 50

True 'S hours

Auswer all questions

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Total Number of Pages-3 II-MBBS-Physiology-I (Set-1)

## 2019

PHYSIOLOGY

Paper - I

Full Marks : 50 Time : 3 hours

Answer all questions

The figures in the right-hand margin indicate marks

Draw diagrams wherever necessary

Describe Bilirubin metabolism - Formation and Fate. What is Van den Bergh test? What is physiological jaundice? Describe role of phototherapy in physiological jaundice. 8+2+3+2

Describe the nervous regulation of respiration.
 Explain effect of carbon dioxide on respiration.
 8+7

( Turn Over )

## ((22))

(d) Stored blood not suitable of transfer of WBCs, platelets to a recipient
 (e) Occurrence of achalasia cardia.

Write shon notes on the following :

(i) Erythroblastosis focialis

(ii) Myasthenia gravia

(iii) Role of CCK-PZ

(ir) Spo-atrial upda

(v) Factors allocting peripheral resistance.

Give physiological basis/explain the following

(a) Why does blood not olor in circutati

 (h) Pulmonary ocdema occurs un rabid ascent.

Increase in hears rate during exercise

II-MBBS-Physiology-I(Set-1)

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Describe the molecular basis of muscle contraction. Define the motor unit and give its significance. 15

(d) Stored blood not sinO ble of transfer of

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Write short notes on the following : 2 × 5
(i) Erythroblastosis foetalis

(ii) Myasthenia gravis

(iii) Role of CCK-PZ

(iv) Sino-atrial node

(v) Factors affecting peripheral resistance.

Give physiological basis/explain the following :
(a) Why does blood not clot in circulation ?

(b) Pulmonary oedema occurs during rapid ascent.

(c) Increase in heart rate during exercise.

II-MBBS-Physiology-I(Set-1)

(Continued)