

Total Pages—3

BMLT/IIS/HP/IV(U-7)/19

BMLT 2nd Semester Examination, 2019

HUMAN PHYSIOLOGY

PAPER – IV(Unit-7)

Full Marks : 40

Time : 2 hours

Answer Q.No.1 and any three from the rest

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

1. Answer any five : 2 × 5
- (a) Write the name of any two membrane proteins involved in membrane transport.
 - (b) What is Umami Sensation ?
 - (c) What is Polyribosome ?

(Turn Over)

(2)

- (d) What is myocardial infarction ?
 - (e) Define dyspnoea ?
 - (f) Give example of any two local hormones.
 - (g) Define Nystagmus ?
 - (h) What is meant by asphyxia ?
2. (a) Enumerate the processes of Erythropoiesis with special reference to the size of cell.
- (b) Briefly discuss the fate of hemoglobin.
- (c) What is 'Zone of exclusion' ? 6 + 3 + 1
3. (a) Explain the general principle of food absorption.
- (b) How thyroid hormone take the responsibility on carbohydrate metabolism ?
- (c) Write the role of hypothalamas in temperature regulation. 4 + 3 + 3
4. (a) State the role of rhodopsin cycle behind the vision.

(3)

- (b) Write the function of 'Henle's loop'.
- (c) State the role of basal membrane in audition. 4 + 3 + 3
5. (a) Write the nerve path of Pyramidal tract.
- (b) Describe the Spermatogenesis process.
- (c) What is Cardiac Index. 5 + 3 + 2
6. (a) Discuss in brief the sliding theory of muscle contraction.
- (b) What do you mean by Isotonic and Isometric muscle contraction ?
- (c) What is Jaundice ? 4 + 4 + 2