

Roll No. :

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

BPMS-534

M.Sc. (Previous) (Home Science) Examination, 2023

FOOD AND NUTRITION

Paper - II

(Applied Physiology)

Time : 3 Hours]

[Maximum Marks : 75

Section-A

(Marks : 2 × 10 = 20)

Note :- Answer all *ten* questions (Answer limit **50** words). Each question carries **2** marks.

Section-B

(Marks : 5 × 5 = 25)

Note :- Answer all *five* questions. Each question has internal choice (Answer limit **200** words). Each question carries **5** marks.

Section-C

(Marks : 10 × 3 = 30)

Note :- Answer any *three* questions out of five (Answer limit **500** words). Each question carries **10** marks.

Section-A

1. (i) Write functions of blood.
- (ii) Define thermogluesis.

BRI-577

(1)

BPMS-534 P.T.O.

- (iii) Write role of liver in brief.
- (iv) Discuss functions of pancreas.
- (v) Discuss acid-base balance in body.
- (vi) Explain nutritional immunity.
- (vii) Write role of neurotransmitters.
- (viii) Regulation of hormones in body.
- (ix) Define anthropometric assessment.
- (x) Write advantages of indirect method of assessment.

Section-B

2. Elaborate blood pressure and the factors affecting it.

Or

Define following terms :

- (i) Cell
 - (ii) Active transport
3. How do lungs help in exchange of gases ? Explain.

Or

Draw labelled diagram of digestive system.

4. Write in brief about functions of kidney.

Or

Enlist types of muscles and explain any *one* in detail.

5. Write functions of brains and spinal cord.

Or

Explain pathogenesis of diabetes.

6. How clinical method of assessment is used in community ?

Or

Write accurate method of taking height and weight during assessment. Write in steps.

Section-C

7. (a) Explain cardiac cycle in detail.
(b) How do hemoglobin form in body ?
8. (a) Regulation of respiration.
(b) Functions and dysfunctions of gall bladder.
9. Explain physiology of kidney with labelled diagram.
10. Write in detail about sense organs.
11. Which method is most appropriate to assess the nutritional status of community and why ?