



WEST BENGAL STATE UNIVERSITY  
B.Sc. Honours 2nd Semester Examination, 2019

FNTACOR04T-FOOD AND NUTRITION (CC4)

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.  
Candidates should answer in their own words and adhere to the word limit as practicable.*

**GROUP-A**

1. Answer any *ten* questions from the following: 1×10 = 10
- (a) What do you mean by saltatory conduction?
  - (b) State Bell-Magendie law?
  - (c) What is blind spot?
  - (d) What is sarcotubular system?
  - (e) What is reflex arc?
  - (f) What is acromegaly?
  - (g) Name any two gastrointestinal hormones.
  - (h) What do you mean by z line?
  - (i) What is Myopia?
  - (j) What is stellate ganglion?
  - (k) What is the function of Leydig cells?
  - (l) What is Addison's Disease?

**GROUP-B**

2. Answer any *four* questions from the following: 5×4 = 20
- (a) Briefly explain the functions of Cerebellum.
  - (b) Explain the mechanism of synaptic transmission.
  - (c) Write a brief note on fertilization.
  - (d) Briefly state the structure of organ of Corti.
  - (e) Explain the hormonal control of parturition.
  - (f) Write a brief note on hypo and hyperthyroidism.
  - (g) State the functions of insulin.

**GROUP-C**

3. Answer any *one* question from the following: 10×1 = 10
- (a) Briefly state the ovarian and uterine changes in different phases of menstrual cycle. Explain the hormonal regulation of these phases. 6+4 = 10
  - (b) What do you mean by isometric and isotonic muscle contraction? Explain the mechanism of skeletal muscle contraction and relaxation. 3+7 = 10

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