



**WEST BENGAL STATE UNIVERSITY**  
B.Sc. Honours 1st Semester Supplementary Examination, 2021

**FNTACOR01T-FOOD AND NUTRITION (CC1)**

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.  
All symbols are of usual significance.*

**GROUP-A**

1. Answer any **ten** questions from the following: 1×10 = 10
- (i) Name one soluble and one insoluble dietary fiber.
  - (ii) Write two importance of fish oil.
  - (iii) What is BOAA?
  - (iv) Name two proteins that are present in egg white.
  - (v) What are functional foods?
  - (vi) Mention two importance of spices.
  - (vii) Name one mineral that is rich in Ragi.
  - (viii) Name two food preparation which are made by deep fat frying.
  - (ix) What is simmering?
  - (x) Mention the names of two salivary glands.
  - (xi) Name the essential fatty acids present in egg.
  - (xii) Name the organs each where bile is synthesized and stored.
  - (xiii) In which form iron is absorbed through gastrointestinal tract?

**GROUP-B**

2. Answer any **four** questions from the following: 5×4 = 20
- (i) Define S.D.A. of protein. What are the major metabolic significance of S.D.A.? 1+4 = 5
  - (ii) 'Cooking makes food edible for consumption and utilization'– Justify. Discuss the importance of prebiotic and probiotics. 2+3 = 5
  - (iii) Discuss the role of vitamin D in maintenance of calcium homeostasis. 5
  - (iv) Discuss the procedure of cooking using sun-light. 5
  - (v) What is BMR? What is its relationship with physical activity? 2+3 = 5
  - (vi) With a labelled diagram, describe the structure of salivary glands. 5

**GROUP-C**

3. Answer any **one** question from the following: 10×1 = 10
- (i) What is RDA? What are the factors that affect RDA? Discuss different applications of RDA. What do you understand by the terms “Reference man and woman”? 2+3+2+3  
= 10
- (ii) How milk is digested in human alimentary system? 10

**N.B. :** *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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