

U.G. 4th Semester Examination - 2020**FOOD & NUTRITION****[HONOURS]****Skill Enhancement Course (SEC)****Course Code : F&N(H)-SEC-T-2(B)**

Full Marks : 30

Time : 2 Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any **five** questions: $2 \times 5 = 10$
- a) What is innate immunity?
 - b) What are antigens?
 - c) What are immunogens?
 - d) What is passive immunity?
 - e) What is vaccine?
 - f) Which antibodies cross the placental barrier from mother to the foetus?
2. Answer any **two** questions: $5 \times 2 = 10$
- a) What are the effector T cells? State their function.

- b) What is biomagnification?
 - c) Discuss the concept of BOD and COD.
 - d) Enumerate cytokine storm.
3. Answer any **one** question: $10 \times 1 = 10$
- a) i) What is humoral immunity?
ii) Enumerate different types of immunoglobulins and state their functions.
 - b) i) State the toxic effects of organophosphate pesticide on human body. Give example.
ii) What are anticoagulant pesticides?
iii) What are the clinical measures to reduce pesticide toxicity in a human body?

[Turn Over]