

UNIVERSITY OF CALCUTTA
CITY COLLEGE CENTER
PART II: SEMESTER 4 EXAMINATION-2020
ZOOLOGY HONOURS,
PAPER - ZOOA-CC4-10-TH
FULL MARKS-25

Q-1. Answer any 4 of the following: (4x5)

- a. What do you mean by haematopoiesis?
- b. Name different cytokine families with examples.
- c. What do you understand by CDR?
- d. Define- immunogen and immunogenicity.
- e. Distinguish between hormone and cytokine.
- f. What are colony stimulating factors (CSFs)?
- g. Define hypersensitivity. Mention its type.
- h. Differentiate between T_C and T_H cells.

Q-2. Answer any 1 of the following:

- a. Draw and describe the T cell receptor. (2+3)
- b. Distinguish between MHC molecules class I and II. What is a monoclonal antibody? (3+2)
- c. Mention the major function of mast cells. What is opsonization? (3+2)