

**UNIVERSITY OF CALCUTTA
CITY COLLEGE CENTER
PART II: SEMESTER 4
INTERNAL ASSESSMENT EXAMINATION-2020
ZOOLOGY HONOURS, PAPER- ZOOA-CC4-10-TH**

FULL MARKS-10

Answer any 5 of the following: (2x5)

1. **“Different cytokines have similar function on a particular cell type”-is known as**
a) Pleiotropy b) Redundancy c) Antagonism d) Cascade induction

2. **Which one of the following is a primary lymphoid organ?**
a) Spleen b) Bursa of Fabricius c) Tonsil d) Malt

3. **Anaphylactic shock is associated with-**
a) Type-I hypersensitivity b) Type-II hypersensitivity
c) Type-III hypersensitivity d) Type-IV hypersensitivity

4. **Which of the following interleukin is responsible for T cell expansion after antigen recognition?**
a) IL-1 b) IL-2 c) IL-4 d) IL-5

5. **Which one of the following is not an antigen presenting cell?**
a) B cell b) Dendritic cell c) T cell d) Macrophage

6. **CLIP is associated with-**
a) MHC class I b) MHC class II c) RER d) Transmembrane domain

7. **The main limitation of RIA include-**
a) Handling and disposal of radioactive substances b) Cost of the experiment is pretty high
c) Radioisotopes have short 'shelf-life' d) All of the above.

8. **MHC molecules are present on-**
a) all nucleated cells b. all types of cells c. only RBCs, d. only WBCs.

9. **Substrate used in ELISA is called**
a) chromogenic substrate b) chromophilic substrate
c) chromophobic substrate d) luxogenic substrate

10. **The isotope used in RIA is**
a) ^{131}I b) ^{125}I c) ^{129}I d) ^{136}I