

T.Y.BSc (VI-SEMESTER) EXAMINATION-2019

BIOCHEMISTRY:USO6CBCH05

TITLE: IMMUNOLOGY

Date: 03/04/19 Time: 10:00 AM TO 01:00 PM
Wednesday

TOTAL MARKS: 70

Q.1 Select proper option from following MCQ.

[10]

- 1) Paracortical region of lymph nodes contain _____
a) B cells b) MALT c) dendritic cells d) BALT
- 2) GALT includes _____.
a) adenoids b) tonsils c) payer's patches d) all of these
- 3) _____ is major organ in body in which antibodies are synthesized and released in circulation.
a) lymph nodes b) MALT c) spleen d) bone marrow
- 4) _____ has heat lability and affinity for surface tissue cells and does not pass the placenta
a) IgA b) IgM c) IgE d) IgD
- 5) HIV is treated using combination of medicines to fight HIV infection is called _____.
a) CFT b) ART c) RIA d) ELISA
- 6) The classical example of _____ is Wassermann reaction, which is method for the serodiagnosis of syphilis.
a) CFT b) ART c) RIA d) ELSIA
- 7) Professional antigen presenting cells are _____.
a) Thymic epithelial cells b) B-lymphocytes c) T lymphocytes d) fibroblast
- 8) Which of the following approaches have been attempted in immunotherapy of cancer.
a) passive b) active c) adoptive d) all of above
- 9) _____ refer to naturally occurring hyper sensitivities of human by hay fever and asthma
a) Atopy b) serum sickness c) anaphylaxis d) arthus phenomenon
- 10) Influenza vaccines were formally recommended for children with certain risk factors such as?
a) asthma b) diptheria c) measles d) rubella

Q2. Answer in short. (any Ten)

[20]

1. Explain Toxigenesis
2. What is microbial antagonism .
3. Classified zoonotic disease with examples
4. Write functions of IgE.

5. Explain in short IgD.
6. Represent Indirect ELISA with figure
7. Classification of transplants with examples
8. What do you know about TSTA .
9. List the clinical Evidence of Immune response in malignancy?
10. What is serum sickness? explain in short
11. What do you know about molecular mimicry?
12. What is organ specific autoimmune diseases? Write its Examples

Q3.: Explain In detail sources of infection [10]

OR

Q3.: Explain in detail general properties and alternative pathways of complement [10]

Q4. Write short note on :

- a. Features of antigen [5]
- b. Application of agglutination reaction [5]

OR

Q4 . Write short note:

- a. RIA [5]
- b. ELISA to detect antigen [5]

Q5. Explain

- a) What do you know about Immunology of transplantation explain each class
- b) What is allograft? write its mechanism of rejection [5]

OR

Q5. Write short note on

- a. Tumor antigens [5]
- b. Immuno therapy of cancer [5]

Q6. Explain

- a) Two mechanism of antibody mediated destruction of cells
- b) Asthma [5]

OR

Q6. Write short note on

- a. Systemic anaphylaxis [5]
- b. Mediate mast cell degranulation [5]