



Question Bank For PG Course

Zoology

Paper-6B

IMMUNOLOGY AND MICROBIOLOGY : PGZO-VIB

Question 1

There are different major divisions of immune system. Mention the immune arm where complement proteins belong.

Question 2

When any general inflammation initiates due to common tissue injury which cells from blood stream initially invades within the inflammation site in large numbers?

Question 3

In general, when clonal expansion of a particular lymphocyte occurs?

Question 4

Give examples of one primary and one secondary lymphoid organs.

Question 5

Where do we found follicular dendritic cells and Langerhans cells?

Question 6

Complementarity determining regions (CDRs) are found in which part of antibody molecule?

Question 7

Give examples of one dimeric and one pentameric immunoglobulin (Ig).

Question 8

What are opsonins? Give example.

Question 9

What are the components of membrane attack complex (MAC) inserted into the membrane?

Question 10

What are the domains of MHC class I molecule?

Question 11

Mention two factors influencing MHC class II increased expression of dendritic cells.

Question 12

Name one immune-molecule and cytokine responsible for immediate hypersensitivity.

Question 13

Goodpasture syndrome and Graves disease are which type of hypersensitivity?

Question 14

Give two examples of pathogen-associated molecular patterns (PAMPs) for bacterial carbohydrates.

Question 15

Mention which functional arm is absent in invertebrate immune system.

Question 16

Which markers can distinguish between TH and TC cells?

Question 17

How many polypeptide chains form the MHC I molecule?

Question 18

Which cell is mostly responsible for clonal selection of antigen-specific lymphocytes?

Question 19

What is the prominent function of IgM?

Question 20

What are the predominant cells of the PALS region of spleen?

Question 21

Name the component which increase immunogenicity of antigenic molecule.

Question 22

Which complement protein have the major contribution in formation of tubular complex of MAC?

Question 23

Name the receptor of mast cells and basophils where IgE binds during hypersensitivity reaction.

Question 24

Give an example of local anaphylaxis.

Question 25

Which molecule act as opsonin in invertebrate immune system?

Question 26

Which pathway of vertebrate complement system is found in echinoderm?

Question 27

What are the major cells responsible for non-specific immunity against virus?

Question 28

Name the microbial pathogen who produce toxin which produce increased cyclic AMP in intestinal epithelium resulting in chloride secretion and water loss

Question 29

Give example of one protozoa which have developed effective mechanisms for varying their surface antigens to evade the immune system.

Question 30

Name two cytokines responsible to exert anti-inflammatory immune reaction.