

Gr. A (MCQ)

1x5 = 5

- Q.1:- Which of the following antibodies bound to antigens trigger complement proteins  
(a) IgA (b) IgE (c) IgD (d) IgM
- Q.2:- The macrophages express :- (a) MHC class I molecules (b) MHC class II molecules (c) B-cell receptor (d) T-cell receptor
- Q.3:- Complement protein C3 is associated with which of the following chromosomes in man :-  
(a) 2 (b) 12 (c) 18 (d) 23
- Q.4:- Which of the following mediates cell mediated immunity  
(a) Pre B-cell (b) Pre T-cells (c) T-cells (d) Plasma-cells
- Q.5:- In spleen B-cells are concentrated in which of the following area :-  
(a) Follicular region (b) Marginal zone (c) Around blood vessels (d) Near red pulp.

Gr. B

5x2 = 10

- Q.6 Write short notes on any two of the followings :-  
(a) IgG (b) T cells (c) ELISA (d) Monoclonal antibodies  
(e) Classical Complement pathway

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- Q.1:- Sertoli-cells are regulated by the pituitary hormone known as  
(a) LH (b) FSH (c) GH (d) Prolactin
- Q.2:- The hormone which is responsible for molting in insects :-  
(a) Juvenile hormone (b) Ecdysone (c) Prolactin (d) Thyroxine
- Q.3:- Implantation may be :- (a) Superficial (b) Interstitial (c) Eccentric  
(d) All of these
- Q.4:- The embryo at 16 celled stage is known as :- (a) Morula  
(b) Gastrula (c) Blastula (d) Blastomere
- Q.5:- Which extra embryonic membrane serves as excretory organ ?  
(a) Amnion (b) Chorion (c) Allantois (d) Yolk sac

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- Q.6. Write short notes on any two of the followings  
(a) Structure of sperm (b) Regeneration (c) Fate map (d) Embryo-transfer technology (e) Amnion & chorion