



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



## SOLUTIONS – 55

Class: XII

Sub: Biological Science

Date: 21.11.2020

**Topic: Ch (8) Part 4 – Acquired immunity ,Components of Immune system,Auto immunity and AIDS**

**F.M. : 15**

**Choose the correct option:**

**(1x15=15)**

- Chief characteristics of acquired immunity:  
a) Specificity b) Discrimination of self from non self c) Diversity **d) All of these**
- Lymphoid stem cells give rise to :  
a) Natural Killers b) B- cells c) T- cells **d) All of these**
- Plasma cells produces antibodies at the rate of:  
**a) 2000 molecules/sec** b)2000 molecules /min c) 200 molecules/min d) 200 molecules /sec
- Helper T cells have the following function:  
a) B-Cell proliferation and differentiation b) stimulate antibody production from plasma cells c) enhances activity of cytotoxic T cells **d) All of these**
- The following antibodies cross the placental barrier to reach the foetus:  
a) IgA b) IgE c) IgG **d) IgG and IgM**
- The antigen binds with the antibody molecule with the help of :  
a) Constant region b) Fab region **c) Antigenic determinant** d) Fc region
- The immunoglobulin which is richly found in colostrum:  
a)IgG **b) IgA** c)IgE d) IgM
- Monoclonal antibodies are produced by the fusion of:  
a)Liver cells with myeloma cells b) spleen cells with lymphoma cells **c) spleen cells with myeloma**  
d) none of these
- Which of these is an example of lymphoid organ which has 50% of the total lymphoid tissue of the body:  
**a) Mucosal associated lymphoid tissue(MALT)** b) Peyer's patches c) tonsils d) spleen
- Which of the following is an example of primary lymphoid organ:  
a)Lymph nodes **b) Thymus** c) Peyer's patches d) MALT
- The cells which are affected in AIDS:  
a)B-Cells **b) T-cells** c) Macrophages d) Mast cells
- Transmission of AIDS does not take place by:  
a) Use of contaminated needles b) Use of contaminated syringes c) **Sharing towels** d) Unprotected coitus with multiple partners

13. AIDS Virus infect ..... To establish infection in the beginning in humans.  
a) Macrophages **b) T cells** c) B - cells d) Helper T cells
14. AIDS was first detected in USA in the year:  
a) 1990 **b) 1981** c) 1986 d) 1978
15. World AIDS day is celebrated on:  
a) 2<sup>nd</sup> December **b) 1<sup>st</sup> December** c) 2<sup>nd</sup> November d) 1<sup>st</sup> November

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