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C/19/PM/BMLT/3rd Sem(N)/8(U-15)

**NEW**

**2018**

**BMLT**

**3rd Semester Paramedical Examination**

**CLINICAL IMMUNOLOGY**

**PAPER—VIII (Unit-15)**

*Full Marks : 40*

*Time : 2 Hours*

*The figures in the right-hand margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

*Illustrate the answers wherever necessary.*

Answer Q. No. 1 and any *three* from the rest.

1. Answer any *five* questions : 5×2

(a) Write the full form of TMRITC ?

*(Turn Over)*

- (b) Write the name of amino acid present at 'S-S' bonds in Ig molecule ?
- (c) What do you mean by booster dose ?
- (d) What do you mean by primary immuno organ ?
- (e) When immuno suppression is needed.
- (f) What is the basis of auto immuno disease ?
- (g) What do you mean by secondary response of immunization ?
- (h) Write the role of hapten ?
2. (a) State the functions of IgA and IgE ?
- (b) What do you mean by full and partial immunization ?
- (c) What do you mean by Fab and Fe parts of immunoglobulin molecule.
- (d) State briefly the pentameric structure of immunoglobulin molecule with example.
- 2+2+2+(3+1)

3. (a) What is the basis of organ transplantation ?
- (b) Why immunodeficiency is noted in HIV positive patient ?
- (c) State the difference between active and passive immunization.
- (d) What do you mean by auto-transplantation ?
- 2+4+2+2
4. (a) What is Kauffmann white classification ?
- (b) Describe briefly about the basis of hypersensitivity ?
- (c) What do you mean by opportunistic infections ?
- (d) Write the name of a marker antibody of SLE ?
- 3+3+2+2
5. (a) Write the major types of antigen-antibody reaction.
- (b) How memory immune cells are formed a post infection stage ?
- (c) Write the process of antibody formation after antigen exposure.
- (d) What do you mean by super antigen ?
- 3+2+3+2

6. (a) Classify major types of vaccine with example ?
- (b) Write the mechanism of immuno suppression by drug.
- (c) State in brief about 'Hasimoto disease'.
- (d) What do you mean by humoral immunity ?

3+3+2+2