

Total Pages—4 BMLT/IIIS/CI/P-VIII(U-XV)/19

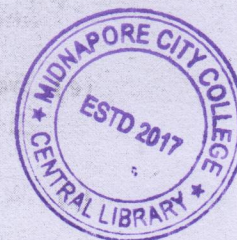
BMLT 3rd Semester Examination, 2019

CLINICAL IMMUNOLOGY

PAPER – VIII

Full Marks : 40

Time : 2 hours



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

The figures in the right-hand margin indicate marks

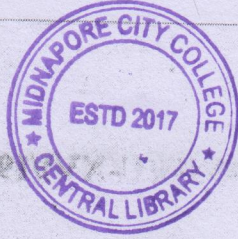
Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

U – XV

1. Answer any five questions : 2 × 5
- (a) What is immunoprecipitation type of reaction ?
 - (b) Define 'Herd Immunity'.
 - (c) Write any two major components of humoral immunity.

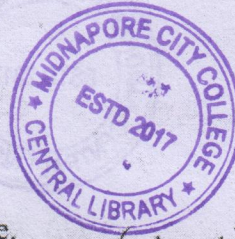
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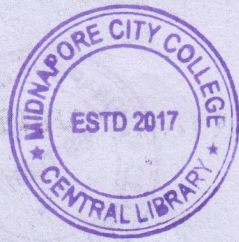
(2)

- (d) Give any one example of heat killed vaccine and another one of toxoid vaccine.
- (e) Write any two examples of immunosuppressive diseases.
- (f) What is Fab part of Ig molecule ?
- (g) Define isograft. Give one example.
- (h) What is adjuvant ?
2. (a) Which one is major Ig molecule and write its function.
- (b) Write differentiation of T lymphocytes in brief.
- (c) State the functions of TH and TK cells.
(1 + 2) + 3 + (2 + 2)
3. (a) Write the principle of immunization.
- (b) Why does MMR vaccine not provided just after birth ?
- (c) State the nature of action of 'Live Attenuated Vaccine'.

(3)



- (d) Define epitope and paratope. $2+2+3+\left(1\frac{1}{2}+1\frac{1}{2}\right)$
4. (a) Write the principle of immunosuppression.
- (b) How does immuno compatability tested before organ transplantation ?
- (c) Write about classical pathway of complementary activation. $3+3+4$
5. (a) Why does secondary immuno response more intense in nature than primary immuno response ?
- (b) State the causes of immunoreaction after vaccination.
- (c) Explain the prozone phenomenon.
- (d) Why does blood group mismatching in ABO system between mother and intrauterine baby never arise any immuno reaction of foetus ? $2+2+3+3$
6. (a) Write the steps adopted for production of monoclonal antibody.



(4)

(b) State the differences with example between active acquired and passive acquired immunity.

(c) 'Spleen is an immuno organ' – Justify the statement.

3 + 4 + 3