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B.Sc.(MLS) (2011 to 2017) (Sem.-4) **IMMUNOLOGY & MYCOLOGY**

> Subject Code: BMLS-402 Paper ID: [D1150]

Time: 3 Hrs. Max. Marks: 60

INSTRUCTION TO CANDIDATES:

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks
- SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt ANY FOUR questions.
- SECTION-C contains THREE questions carrying TEN marks each and students have to attempt ANY TWO questions.

SECTION-A

Q1 Answer briefly:

- a) Primary and secondary antibody responses.b) Isolation.c) Fluorescent antibody test.d) Candidiasis.

- e) Indirect haemagglutination.
- f) Monoclonal antibodies.
- g) Immunoglobulin M.
- h) KOH wet mount technique.
- i) Macrophages.
- j) Name two opportunistic fungi.



SECTION B

- Q2 What do you understand by cell-mediated immune response?
- Q3 Differentiate between active and passive immunity.
- Q4 Define immunity and describe in detail the types of immunity.
- Q5 Describe various classes of Immunoglobulin.
- Q6 Give the classification of fungi.

SECTION C

- Q7 Explain the principle and procedure of Widal test.
- Q8 Describe various isolation techniques for the identification of fungi.
- Q9 Define and classify hypersensitivity. Write about type IV hypersensitivity in detail.

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