Roll No.							Total No. of Pages : 02
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Total No. of Questions: 09

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:**

- 1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt ANY FOUR questions.
- 3. 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.

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## **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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