

MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER M.Sc. (MEDICAL MICROBIOLOGY) DEGREE EXAMINATION-NOVEMBER 2020
SUBJECT: MYCOLOGY + MOLECULAR TECHNIQUES (MIC 702)

Monday, November 09, 2020

Time: 14:00 – 16:30 Hrs.

Maximum Marks: 50

✍ Answer ALL the questions.

✍ Draw diagrams wherever necessary.

✍ Essay questions :

1. List out the fungal agents causing skin infections. Write in detail about the pathogenesis and laboratory diagnosis of cutaneous mycoses.

(2+3+5 = 10 marks)

2. What is HPLC? Explain different parts of HPLC system and write any five applications.

(2+3+5 = 10 marks)

3. Write short notes on:

3A. Oral thrush

3B. Laboratory diagnosis of Mycetoma.

3C. Aspergilloma

3D. Dimorphic fungi

3E. Differences between Maxim Gilbert and Sanger's Sequencing

3F. DNA quantification methods

(5 marks × 6 = 30 marks)

