

(LC 120)

APRIL 2013

Sub. Code: 2017

**M.D. DEGREE EXAMINATION  
BRANCH IV – MICROBIOLOGY  
PAPER – IV – MYCOLOGY AND APPLIED MICROBIOLOGY AND  
RECENT ADVANCES**

*Q.P. Code : 202017*

**Time: Three Hours**

**Maximum: 100 marks**

**I. Essay: (2X10=20)**

1. Discuss in detail the principle, steps, types, merits and demerits of polymerase chain reactions.
2. Classify superficial mycoses. Discuss in detail on Dermatophytosis.

**II. Short Questions: (8X5=40)**

1. Pneumocystis jirovecii
2. Aflatoxins
3. Bebesiosis
4. Human cysticercosis
5. H1N1 Influenza
6. Helicobacter pylori
7. Super antigens
8. Bacteriocins

**III. Reasoning Out: (4X5=20)**

1. Negative Weil Felix test never rules out Rickettsial diseases completely.
2. Infectivity is maximum during the initial stages of Chickenpox.
3. Brucellosis exhibits chronicity and there is a tendency for relapse even after adequate antimicrobial therapy.
4. Amoxycillin should be avoided in the treatment of Infectious Mononucleosis.

**IV. Very Short Answers: (10X2=20)**

1. Chick Martin test
2. Exaltation
3. Agar agar
4. Alastrim
5. Amboceptor
6. Job syndrome
7. Cold enrichment
8. Nude mice
9. Ascolis thermoprecipitin test
10. Torres bodies

\*\*\*\*\*