

M-009M

M.B.B.S. 2nd PROFESSIONAL EXAMINATION, 2014
MICROBIOLOGY
PAPER I

Time Allowed: Three Hours

Maximum Marks-40

Note: Attempt all questions in serial order. All parts of a question should be answered together. Figures in parenthesis indicate marks allotted to a question.

- Q1. A middle aged man presented with history of low grade fever with cough and expectoration. Recently having a bout of haemoptysis. X-ray chest revealed cavity like lesions in apical regions. myco.
- (a) What is most probable diagnosis of the case? M. tuberculosis (1)
- (b) What are various methods you use to isolate the causative organisms? (2)
- (c) Discuss the pathogenesis and laboratory diagnosis of the case. ed together (5)
- (a) Classify anaerobes. anaerobes (2)
- (b) What are various methods of anaerobic culture? anaerobic culture (2)
- (c) Discuss the pathogenesis of gas gangrene. gas gangrene (2)
3. Briefly describe:
- (a) Toxins and enzymes produced by staphylococcus aureus. ✓ (4)
- (b) Drug resistance in bacteria (4)
- (a) Describe antigenic structure and Kauffman White scheme of salmonellae. (3)
- (b) Discuss pathogenesis of enteric fever. at (b) (3)
- (c) Outline lab diagnosis of sore throat. sore throat (2)
- Write short notes on:
- (a) Vibrio El-tor Vibrio cholerae (2)
- (b) Polio viruses and polio vaccines (3)
- (c) Diseases caused by Herpes viruses and their diagnosis (3)

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