

A.B.B.S. 2nd PROFESSIONAL EXAMINATION, 2013

MICROBIOLOGY

PAPER I

Time: Three Hours

Maximum Marks- 40

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

- A 5-year child presented with symptom of sore throat. On examination child's throat shows white membrane.
1. What is the most probable diagnosis? *Diphtheria.* (1)
2. How will you proceed to investigate the case for proper diagnosis? (4)
3. How will you finally identify the causative organism? (3)
4. Briefly describe: (2)
- (a) Mutation in bacteria (3)
- (b) Extra-chromosomal DNA (plasmid) (3)
- (c) Transduction (3)
5. Give general characters & classification of family enterobacteriaceae. (4)
6. Discuss the pathogenesis and lab diagnosis of enteric fever. (3)
7. Biochemical classification of shigella. (2)
8. Briefly:
- (a) Diarrhoeogenic stains of E coli. (4)
- (b) S.T.S. → *clindamycin test for Syphilis (375).* (4)
9. Write short notes on:
- (a) Bacterial food poisoning (2)
- (b) Weil felix test (3)
- (c) A typical Mycobacteria (3)