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B.Sc.(MLS) (2013 to 2017) (Sem.-2) SYSTEMATIC BACTERIOLOGY Subject Code: BMLS-202

M.Code: 48056

Time: 3 Hrs. Max. Marks: 60

INSTRUCTION TO CANDIDATES:

- 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

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1. Write a note on:

- A) Ziehl- Neelsen staining
- B) Coagulase test
- C) Meningitis.
- D) Enzyme linked immunosorbent assay.
- E) Laboratory diagnosis of Cholera.
- F) Germ tube test.
- G) Gram positive cocci.
- H) Albert's stain.
- I) Nagler's reaction.
- J) Whooping cough.

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SECTION-B

- 2. What is stain? Explain capsule staining.
- 3. Explain isolation of bacteria by pour plate technique and spread plate technique.
- 4. Describe the cultural characters of corynebacterium.
- 5. Write a note on differences between Gram positive and Gram negative cell wall.
- 6. Discuss the laboratory diagnosis of cholera.

SECTION-C

- 7. Describe the morphology and staining characters of Mycobacterium tuberculosis.
- 8. Elaborate on various biochemical reactions used in identification of bacterial infections.
- 9. Discuss the morphology, cultural characteristics, pathogenesis and lab diagnosis of Shigella dysenteriae.

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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