

MBBS II (Second) Professional Examination 2018-19

Course Code:MBS202 Paper ID: 03218203

Microbiology-I

Time: 2 Hours 40 Minutes Max Marks: 30

Note: Attempt all questions. Draw proper diagrams to support your answer.

Part 'B'

- 1. Discuss in detail the laboratory diagnosis of Enteric Fever. (7)
- 2. What is sterilization? Describe the sterilization methods by moist heat. (7)
- 3. Write short notes on: 4x4=16)
 - a) El tor Vibrio
 - b) Diphtheria Toxin.
 - c) Pathogenicity of Streptococcus pyogenes
 - d) Bacterial growth curve

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Roll No.

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Student's Signature

Student's Name

Invigilator's Signature

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Microbiology-I

Part 'A'

Time: 20 Minutes Max Marks: 10

- Note:**
- 1. Attempt all questions and return this part of the question paper to the invigilator after 20 Minutes.
 - 2. Please tick (✓) correct one only. Cutting, overwriting or any other marking are not allowed.
 - 3. For answering please use Ball- pen only.

- FirstRanker.com**
FirstRanker's choice
- Q.2 Which of the following organism is/are acid fast:
- Tubercle bacilli
 - Lepra bacilli
 - Nocardia
 - All of the above
- Q.3 Red heat is used for sterilization of:
- Inoculating wire and loops
 - All glass syringes
 - Soiled dressing
 - Glass slides
- Q.4 The organs of adhesion in bacteria are:
- Flagella
 - Fimbriae
 - Microcapsule
 - Slime layer
- Q.5 Alexander Fleming made the discovery of:
- Streptomycin
 - Penicillin
 - Sulphonamides
 - Chloromphenicol
- Q.6 Which one of the following is not a zoonosis:
- Brucellosis
 - Bubonic Plague
 - Leptospirosis
 - Measles
- Q.7 The diameter of the smallest structure that can be resolved and seen clearly with naked eye is:
- 20 micrometer
 - 60 micrometer
 - 100 micrometer
 - 200 micrometer
- Q.8 Lipid granules are present in:
- Corynebacterium sp
 - Escherichia coli
 - Bacillus species
 - Clostridium species
- Q.9
- CLED medium
 - MacConkey's medium
- Q.17 Most clostridia are motile except:
- Cl. tetani
 - Cl. novyi
 - Cl. perfringens
 - Cl. septicum
- Q.18 Significant bacteruria is the number of bacteria in urine exceeding:
- 1000/ml
 - 10,000/ml
 - 100,000/ml
 - 1,000,000/ml
- Q.19 The response to syphilis is best measured by:
- VDRL test
 - TPHA test
 - FTA-ABS test
 - None of above
- Q.20 BCG vaccine is produced from a strain of:
- Mycobacterium tuberculosis
 - M. bovis
 - M. microti
 - M. africanum
- Q.10 Acid fastness of bacteria depends upon:
- Structural integrity of the cell
 - Lipid contents of cells
 - Special anatomical disposition of lipids
 - All above
- P.T.O.**
- Q.11 Sterilization requires exposure to moist heat at 121 degree centigrade for:
- 3 minutes
 - 5 minutes
 - 10 minutes
 - 15 minutes
- Q.12 All following antibiotics act on bacterial cell wall except:
- Cephalosporin
 - Penicillin
 - Beta lactams
 - Tetracycline
- Q.13 Enterotoxigenic strains of Esch. Coli produce:
- Heat labile enterotoxins
 - Heat stable enterotoxins
 - Both (a) & (b)
 - Neither of above
- Q.14 Species of Shigella that does not ferment Mannitol is:
- S. dysenteriae
 - S. flexneri
 - S. boydii
 - S. sonnei
- Q.15 The colour of pyocyanin pigment produced by Pseudomonas aeruginosa:
- Blue
 - Red
 - Brown
 - Green
- Q.16 The best selective medium for the isolation of Vibrio cholerae is:
- TCBS medium
 - BSA medium