

MBBS II (Second) Professional Examination 2016-17
Course Code: MBS202

Paper ID: 0322405

Microbiology-I
Time: 2 Hours 40 Minutes

Max Marks: 30

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

Part 'B'

1. A 21 years old female comes with fever, increase frequency and burning micturation. (1+4+2=7)
 - a) Enumerate the bacterial causes for this condition.
 - b) Discuss the laboratory diagnosis of this condition.
 - c) Name the antibiotics can be used to treat this condition
2. Define sterilization .What are the different methods for sterilization? Give a note on autoclave. (7)
3. Write short notes on: (8+8)
 - a) ELISA
 - b) Laboratory diagnosis of enteric fever.

MBBS II (Second) Professional Examination 2016-17
Roll No.

Student's Signature

Student's Name

Invigilator's Signature

Course Code: MBS202

Paper ID: 0322405

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.

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|---|---|
| <p>Q.1 Negative staining is done for demonstration of:</p> <ol style="list-style-type: none"> a) Flagella b) Cell wall c) Capsule d) Endospore | <p>Q.6 An organism grown on nutrient agar shows green colour pigment is likely to be:</p> <ol style="list-style-type: none"> a) Staphylococcus b) E.coli c) Pseudomonas d) Peptostreptococcus |
| <p>Q.2 Differential stains are:</p> <ol style="list-style-type: none"> a. Gram stain b. Acid-Fast stain c. Both d. None of the above | <p>Q.7 Most Common organism causing nosocomial infection is hospital acquired pneumonia:</p> <ol style="list-style-type: none"> a) Pseudomonas b) Proteus c) Vibrio d) Mycoplasma |
| <p>Q.3 Which of the following does not kill endospores:</p> <ol style="list-style-type: none"> a) Autoclave b) Incineration c) Hot air sterilization d) Pasteurization | <p>Q.8 Urease producing all except:</p> <ol style="list-style-type: none"> a) H. pylori b) E.coli c) Klebsilla d) Proteus |
| <p>Q.4. Which of the following is best to sterilize heat labile solutions:</p> <ol style="list-style-type: none"> a) Dry heat b) Autoclave c) Membrane filtration d) Pasteurization | <p>Q.9 Mc Conkey medium is an example of:</p> <ol style="list-style-type: none"> a) Transport medium b) Differential Medium c) Selective medium d) Simple medium |
| <p>Q.5 Which of the following is bactericidal:</p> <ol style="list-style-type: none"> a) Membrane filtration b) Ionizing radiation c) Freeze-drying d) Deep freezing | <p>Q.10 Metachromatic granules can be seen by:</p> <ol style="list-style-type: none"> a) Albert's stain b) Gram stain c) ZN Stain d) None of the above |

P.T.O.

- Q.11 Which bacteria utilizes citrate:
- a) Klebsiella
 - b) E.coli
 - c) Shigella
 - d) None of the above
- Q.12 The following are true about culture media for microbes except:
- a) Lowenstein-Jensen is used to isolate mycobacteria
 - b) Thioglycolate broth allows only anaerobes to grow
 - c) MacConkey agar prevents the growth of Gram negative bacteria
 - d) Sabouraud's culture is useful for culturing fungal infection
- Q.13 The process of destroying microbes including spores is called:
- a) Disinfection
 - b) Antisepsis
 - c) Sterilization
 - d) None
- Q.14 The sterilization of culture media containing serum:
- a) Autoclaving
 - b) Gamma radiation
 - c) Micropore filter
 - d) inspissations
- Q.15 The following substances are used in Gram staining except:
- a) Iodine
 - b) Crystal violet
 - c) Safranin
 - d) Silver stain
- Q.16 What oil is used for oil immersion lens:
- a) Mustard oil
 - b) Cedar wood oil
 - c) Glycerin
 - d) None of the above
- Q.17 The following staphylococci are coagulase positive:
- a) S. aureus
 - b) S. epidermidis
 - c) S. saprophyticus
 - d) Hyicus
- Q.18 The Nagler reaction helps in identification of:
- a) E.coli
 - b) Klebsiella
 - c) Proteus
 - d) Clostridium
- Q.19 Temperature of hot air oven is:
- a) 160°C for 2 hours
 - b) 170°C for 2 hours
 - c) 180°C for 2 hours
 - d) 121°C for 15 min
- Q.20 Lawn culture method used for:
- a) Antibiotic Sensitivity Testing
 - b) For isolation of bacteria
 - c) None
 - d) A& B both