

OLD

2015

BMLT

5th Semester Paramedical Examination

CLINICAL MICROBIOLOGY

PAPER—XIV (Unit-27)

Full Marks : 35

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer Q. No. 1 and any three questions from the rest.

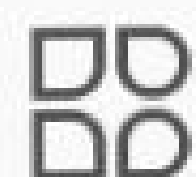
1. Answer any five of the following : 5×1

- (a) What is 'Selective Media'?
- (b) Write the difference between cell wall of 'Gram Positive' and 'Gram Negative Bacteria'?
- (c) What is thermophilic bacteria?
- (d) Write the full form of TCBS and L-J media?
- (e) What are the organisms responsible for Enteric fever?
- (f) Vaseline, Aprons should be sterilized by—?
- (g) What do you mean by MIC?
- ~~(h) What do you mean by extrapulmonary tuberculosis?~~

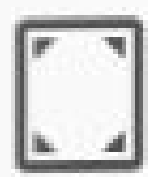
(Turn Over)

2

- 2. (a) What do you mean by Sterilization and Disinfection?
- (b) What are the different Chemicals used for disinfection?
- (c) What type of precautions are taken during disinfection?



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2. (a) What do you mean by Sterilization and Disinfection?
 (b) What are the different Chemicals used for disinfection?
 (c) What type of precautions are taken during sterilization regarding Quality Control? 3+3+4
3. Write short notes on : $2\frac{1}{2} \times 4$
 (a) Coagulase test;
 (b) Anaerobic Culture method;
 (c) Differential Stain;
 (d) TSI media.
4. (a) How do you identify candidate species and differentiate it from bacterial infection?
 (b) How will you perform Antibiotic Sensitivity test in your Laboratory with special reference to the use of antibiotic disc of different generation. 10
5. (a) Name the bacterias responsible for granulomatous growth.
 (b) Why initial urine during micturation is avoided for microbiological test of urine sample?
 (c) Describe the laboratory methods for the isolation of different bacteria causing UTI?
6. (a) What are the differences between Virus and Bacteria? 2+2+6
 (b) What are Dermatophytes? Briefly describe about them?
 (c) What are the different methods used in the laboratory for diagnosis of fungal disease? 2+(1+4)+3