

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[AHS 0321]

**MARCH 2021**

**Sub. Code: 2914**

**(AUGUST 2020 EXAM SESSION)**

**B.Sc. MICROBIOLOGY**

**SECOND YEAR (Regulation 2018-2019)**

**PAPER IV – DIAGNOSTIC MICROBIOLOGY**

***Q.P. Code : 802914***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Discuss in detail about the etiology, sample collection ,transport and processing for a case of Community acquired pneumonia.
2. Discuss in detail about various methods of antimicrobial susceptibility testing.
3. Enumerate and Discuss in detail about the rapid diagnostic tests available in diagnosis of pathogens.

**II. Write notes on:**

**(8 x 5 = 40)**

1. What is oxidase test.
2. Discuss E test.
3. Discuss any two special stains.
4. Louis Pasteur.
5. Quality control in antimicrobial susceptibility testing.
6. Processing of Cerebrospinal fluid.
7. Lab diagnosis of Cholera.
8. Droplet precautions.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Define Endemic disease.
2. What is significant bacteriuria.
3. Herd immunity.
4. List infections spread by droplet nuclei.
5. Methyl red test.
6. Oral flora.
7. Effects of vaccination.
8. What is ring immunization.
9. Re emerging diseases.
10. India Ink preparation.

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