[AHS 0122]   **JANUARY 2022**   Sub. Code: 2923
(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)

B.Sc. MICROBIOLOGY
THIRD YEAR – (Regulation from 2018-2019)
PAPER III – EPIDEMIOLOGY AND BIOSTATISTICS
Q.P. Code : 802923

Time: Three hours   Answer ALL Questions   Maximum: 100 Marks

I. Elaborate on: **(3 x 10 = 30)**

1. Describe different epidemiological study designs.
2. Describe Measures of Central tendency.
3. Describe NonParametric test.

II. Write notes on: **(8 x 5 = 40)**

1. Epidemic curve.
2. Line diagram.
3. Normal distribution curve.
4. Simple bar chart.
5. Percentile.
6. Multiple bar chart.
7. One way ANOVA.
8. P value <0.05-What does it mean?

III. Short answers on: **(10 x 3 = 30)**

1. Define infection.
2. Incubation period.
3. Define reservoir.
4. Primary case.
5. Odds ratio.
6. Relative risk.
7. Secondary attack rate.
8. Incidence.
9. Prevalence.
10. Geometric Mean.

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