



THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)

Re-accredited (2nd Cycle) by NAAC with Grade "A", CGPA – 3.46 on a 4-point scale

Backlog Arrear Examination, March 2021

PGZ 4430

BIOSTATISTICS

Time: 3 hours

Max: 75marks

Answer any Five Questions:

(5×15=75)

1. Define variable and explain its types.
2. List out the important symbols used in biostatistics and add a short note about them.
3. Write down the types and objectives of classification of data.
4. Discuss the types, sources and methods of collection of data.
5. What is normal distribution? List out the properties of a normal distribution curve.
6. Explain the linear and non linear correlation.
7. The following table presents the results of neomycin prophylaxis in cross-infection of burns during a period of first 14 days.

Dressing with	For Staphylococcal infection		Total
	Acquired	Not acquired	
Penicillin cream + Neomycin	5	28	33
Penicillin cream alone	18	12	30
Total	23	40	63

(Given $\chi^2 = 3.84$ at 1 degree of freedom at 0.05 significant level)
