

2020
STATISTICS – GENERAL - PRACTICAL
ASUTOSH COLLEGE CENTER
Paper: GE/CC3
Full Marks: 30

The figures in the margin indicate full marks.

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

To upload the answer script go to <https://forms.gle/ZT5jujDa67vgBXQm7>

1. A set of data involving four 'tropical feed stuffs A, B, C, D' tried on 20 chicks in given below. All the twenty chicks are treated alike in all respects except the feeding treatments and each feeding treatment is given to 5 chicks. Weight gain of baby chicks fed on different feeding materials composed of tropical feed stuffs:

A	55	49	42	21	52
B	61	112	30	89	63
C	42	97	81	95	92
D	169	137	165	85	154

Analyze the data.

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2. The following are 12 determinations of the melting point of a compound (in ° Celsius) made by an analyst, the true melting point 165°C. Would you conclude from these data that his determinations are free from bias?

165.4 169.7 163.9 162.1 161.9 160.8 162.4 162.2 168.5 164.4 162.9 167.7

Also obtain 99% confidence interval for the mean (true melting point) of the population.

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