



Department Of AHS

Final Term Summer-2020

Subject: Probability & Statistics
Instructor: Anwar Shamim

Duration: 4 Hours
Total Marks: 50

Note: Attempt all questions. Manage your time properly.

Q.No. (01)

(10+10)

Compute the results of the least squares regression equation and coefficient of correlation of Y on X for the following data.

Temperature	53	62	57	71	78	66	86	87	96	91	94	94
Chirps per minute	20	32	45	60	80	100	120	140	160	180	200	210

Q.No. (02)

(5+5)

- a)** A box contains 4 red, 4 white and 5 green balls. Three balls are drawn from the box together. Find the probability that they may be (i) all of different colours, (ii) all of the same colours.
- b)** Of 12 eggs in a refrigerator, 2 are bad. From these, 4 eggs are chosen at random to make a cake. What are the probabilities that (i) exactly one is bad? (ii) At least one is bad?

Q.No. (03)

(10+10)

The following are the scores made by three batsmen A, B and C in a series of innings.

A	12	15	6	73	7	19	199	36	84	29
B	47	12	76	48	4	51	37	48	13	0
C	15	23	52	4	24	86	74	52	13	0

- (a) Who is more consistent player?