

H-5  
extra

VPM's B. N. Bandodkar College of Science Thane  
Human Sciences F.Y.B.Sc ; Course- USHSC105  
Semester I ATKT - 2018-19

Duration: 2.5 Hrs.

Total Marks: 75

N.B: 1. All questions are compulsory.

2. Figures to the right indicate marks.

3. Draw neat and labeled diagrams wherever necessary

Q.1) (A) Explain Oriental Region & its fauna. (7)

OR

(A) Explain Neotropical Region. (7)

(B) Enlist the general characters of Continuous distribution. (8)

OR

(B) Explain Ethiopian Region. (8)

(C) Attempt any ONE of the following: (5)

(i) Write a note on Subregion of Oriental Region.

(ii) Write a note on Fauna of Palaearctic Realm.

Q.2) (A) Explain Hunting & Gathering in prehistoric time. (7)

OR

(A) Explain Neolithic Cultural. (7)

(B) Define Cultural Evolution of Man. Give the comparison between Cultural Evolution & Organic Evolution. (8)

OR

(B) Describe Tools used during prehistoric time. (8)

(C) Attempt any ONE of the following: (5)

(i) Write a note on Culture of early man & Speed of cultural evolution.

(ii) Write a note on Old Stone Age.

Q.3) (A) i) Draw Histogram for the following data: (7)

Sales (Rs)	0 - 5	5 - 10	10 - 15	15 - 20	20 - 25
No. of days	18	20	15	21	20

ii) compute Mean, Median & Mode for the following series:

35,11,36,37,11,36,13

OR

(A) i) Find Mean , Median & Mode for the following data. (7)

No. of apples crushed	50	67	46	78	80	84	95	65	76
Juice produced	61	71	45	54	68	59	64	78	64

ii) Find Quartiles  $Q_1, Q_2, Q_3$  for following data : 40, 55, 47, 57, 25, 41, 16

(B) For two attributes A & B we have  $(AB) = 50$ ,  $(B) = 400$ ,  $(A) = 1350$  and  $N = 1800$ . (8)

Compute the Yule's coefficient of association & the coefficient of colligation.

OR

- (B) i) Draw Histogram for the following data showing sales of a shop on 100 days: (8)

Sales (Rs)	0 - 10	10 - 20	20 - 30	30 - 40	40 - 50
No. of days	11	28	35	17	18

Following data gives the number of mobiles sold per day:  
4,20,13,15,17,18,28,36,26.

i) construct a box - plot for this data.

- (C) Attempt any ONE of the following: (5)

- (i) Find Mean, Median & Mode for the following data:

40,25,32,56,77,51,54,89,45,50

- (ii) Find Range,  $Q_1$ ,  $Q_2$ ,  $Q_3$  from the given data

75,63,50,60,67,60,65,55,45,55,60,35

- Q.4) Attempt Any THREE of the following: (15)

- (i) Define Australian Region.

- (ii) Write a note on Discontinuous Distribution.

- (iii) Write a note Palaeolithic Culture.

- (iv) Farming in prehistoric time

- (v) For the following data : 30,34,14,53,21,23,17,13,24,31,48

a) find Mean, Median & Mode

- (vi) The following table shows the no. of lectures attended & marks obtained by 10 students.

No. of lectures attended	50	68	46	78	83	60	87	65	75	55
Marks obtained	34	55	47	10	25	38	40	62	45	23

Draw scatter diagram & comment on the relationship between marks obtained & no. of lectures attended.

~~~~~All the best~~~~~