

VPM's B.N. Bandodkar College of Science, Thane
F.Y. B.Sc. First Semester end Examination Nov. 2014
 Human Science I Code: USHSC105

Duration 2 hrs 30 Mins

Max Marks-75

- N.B. 1) All Questions are compulsory.
 2) Figures to right indicate marks.
 3) Use of calculators is allowed.

- Q.1 a) Attempt any **TWO** 12
 1) Enlist characteristic features of Australian realm
 ✓ 2) Enlist characteristic features of Afrotropical realm.
 3) Enlist characteristic features of Palearctic region
 ✓ 4) Enlist characteristic features of Oriental region
- b) Attempt any **ONE** 08
 1) Describe in brief how climatic factors affected human populations over the globe.
 2) Explain how Skin Colour varies in different geographical regions.
- Q.2) ✓ a) Explain in detail the evolution of human settlement.

OR

- a) Give a brief account on "changes in feeding habits" 10
 b) Explain about the hunting pattern of Stone Age man. Enlist with diagrams the types of weapons used by them.

OR

- b) What was the pattern of arts and crafts of the stone age man. 10

- Q.3) a) Attempt any **TWO**
- 1) Distinguish between 6
 i. Primary data and Secondary data
 ii. Qualitative data and Quantitative data
 iii. Population survey and sample survey 6
- ✓ 2) Prepare the blank table to represent the data. Students in the University Faculty:-
 Arts, Science, Commerce; Management, Law Sex – Male, Female, Year- 2011-12, 2012-13, 2013-14. 6
- ✓ 3) Calculate Yule's coefficient of Association for the following data. Write comment. 6
 In an anti-Malaria campaign in a certain area quinine was administered to 812 people out of total 3243. The number of cases of fever were as shown below.

	Fever	No. Fever
Treatment with quinine	20	792
No quinine	220	226

- 4) What do you mean by measures of dispersion? State all the measures you have studied. Which is the commonly used? 6

b) Attempt any **ONE**

✓ 1) Draw histogram for the following data. and hence locate mode.

Time (in min)	10-15	15-20	20-25	25-30	30-35	35-40	40-45
No. of workers	8	14	18	25	15	14	6

8

2) Define scatter plot and explain how it is useful to draw the conclusions about relationship between to variables. 8

Q.4) Attempt any **THREE**

15

✓ 1) What do you mean by measures of central tendency? State all the measures you have studied.

2) Write a note on Neotropical realm

3) Write a note on Impact of Ice age.

✓ 4) Write a short note on traditional costumes.

✓ 5) Write a note on invention of fire.

6) Write a note Nearctic realm.

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Zeena
Deena
Pig