

(Pages : 2)

M – 3383

Reg. No. :

Name :

Third Semester M.A. Degree Examination, December 2021

SDE

Sociology

SO 234 B : POPULATION AND SOCIETY

(2017 Admission Onwards)

Time :3 Hours

Max. Marks : 75

PART – A

Answer **all** questions in not more than **50** words. Each question carries **2** marks.

1. Malnutrition
2. Family planning
3. Population policy
4. Mortality
5. Birth rate declines
6. Reproductive health
7. Urbanization
8. Population inhabitant
9. Life expectancy
10. Net migration

(10 × 2 = 20 Marks)

P.T.O.

PART – B

Answer **any five** questions in not more than **250** words.

11. Enlist two emerging issues of over population in India.
12. Explain vital registration system.
13. Discuss optimum theory of population growth.
14. Differentiate between Fertility and Fecundity with examples.
15. Write an outline on the natural theories of population.
16. Elaborate on the World population and development.
17. Describe the meaning and features of population studies.
18. Delineate age and sex ratio. Discuss its social implications.

(5 × 5 = 25 Marks)

PART – C

Answer **any two** questions in not more than **1,200** words each.

19. Critically analyse the National Population Policy of India.
20. Explain the Malthusian theory of population. Critically examine its relevance for understanding the problem of over-population?
21. Describe the relationship between population and society.
22. Write the meaning and need of family planning programs in India.

(2 × 15 = 30 Marks)

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Sociology

SO 233 : SOCIAL STATISTICS

(2017 Admission Onwards)

Time : 3 Hours

Max. Marks : 75

PART – A

Answer **all** questions. Explain the following in not more than **50** words each. **Each** question carries **2** marks.

1. Inferential Statistics
2. Correlation
3. Sample
4. Average
5. Hypothesis
6. Dispersion
7. Coefficient
8. SPSS
9. Classification
10. Frequency Polygon

(10 × 2 = 20 Marks)

P.T.O.

PART – B

Answer any **five** of the following questions in not more than **250** words each. Each question carries **5** marks.

11. What do you mean by statistics? Discuss its major uses in social research.

12. Prepare histogram and frequency polygon from the following table

Class interval	0-10	10-20	20-30	30-40	40-50	50-60
Frequency	12	16	20	15	10	14

13. Describe the significance of correlation analysis. Find Karl Pearsons' Coefficient of Correlation from the following data

Roll number	11	12	14	15	16	17	19	20	22	24
Marks in Science	12	10	16	14	11	12	13	14	15	13
Marks in Language	12	15	12	10	9	16	14	17	20	17

14. Describe why t-test is a parametric test. Explain the context of using t-test.

15. In a study equal number of boys and girls were asked to express their preference for choosing career in medical and engineering streams. The data are given below:

Students Preferred	Medicine	Engineering
Boys	31	19
Girls	24	16

Determine whether gender of the students determine the preference of career. On 1 degree of freedom the Critical value at .05 level is 3.84.

16. Define the following terms:

- (a) Class interval
- (b) Frequency
- (c) Open ended class
- (d) Midpoint of class interval

17. Explain the various steps involved in hypothesis testing.
18. Explain the significance of frequency table in statistical analysis and data representation.

(5 × 5 = 25 Marks)

PART – C

Answer any **two** of the following questions in not more than **1200** words each. Each question carries **15** marks.

19. Using the following data, find the age of husband when the wife's age is 41.

Age of husband (x)	26	27	28	30	31	33	35	37
Age of Wife (y)	18	20	22	24	25	28	30	31

20. Discuss the procedure of finding various measures of central tendency. Find mean and median of the following data.

Height (In cms)	150-155	155-160	160-165	165-170	170-175	175-180
No. of students	18	16	20	22	14	10

21. Do you think standard deviation is the best measure of dispersion amongst all the measures of variability? Comment.
22. Critically discuss the use of internet in social research.

(2 × 15 = 30 Marks)

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