

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2018  
(Fourth Semester)

Branch - STATISTICS

DEMOGRAPHIC TECHNIQUES

Time: Three Hours

Maximum: 75 Marks

Answer ALL questions  
ALL questions carry EQUAL marks (5 x 15 = 75)

- 1 a Explain the nature and scope of Demography.  
b Explain demographic data on quality of data.  
OR  
c Explain Chandrasekar - Deming Index,  
d Explain Infant mortality and Adjusting Infant Mortality Rates.
- 2 a Explain the method of construction of Life Tables.  
b Explain ME estimate of survival probability.  
OR '  
c Explain different mathematical models in mortality,  
d Explain Mekehams and Gombertz models.
- 3 a Explain concept and characteristics of fertility measures.  
b Explain the relationship between CBR, GFR and TFR.  
OR  
c Explain any two measures of fertility.  
d Explain poisson model in fertility.
- 4 a Explain the concept of migration and its types.  
b Explain Frejka's component method of projection.  
OR  
c Explain population projection with its models,  
d Discuss Urban - Rural Growth of migration in India.
- 5 a Explain the term stochastic process using demographic events with examples.  
b Explain the birth or death process method with migration.  
OR  
c Explain the method of determining Extension Probability,  
d Explain Birth and Death process.

Z-Z-Z

END