O	D 1
Seat No.:	Enrolment No.

Subject Code: 1035505

## GUJARAT TECHNOLOGICAL UNIVERSITY B.PLAN - SEMESTER-III EXAMINATION - WINTER 2015

Date:09/12/2015

-	0:30	ne: Demography and Urbanization am to 12:30pm	Total Marks: 50			
1. 2.	Atte Mal	empt all questions. ke suitable assumptions wherever necessary. ares to the right indicate full marks.				
Q.1	(a) (1) The population of any area can change depending on the three demogra processes of fertility, mortality and					
		(a) Net change	(b) migration			
		(c) addition	(d) partition			
		(2) means the increase in the p	· · · •			
		total population.	roportion of urban population to the			
		(a) Urbanism	(b) Migration			
		(c) Urbanization	(d) Demography			
			· / • 1 •			
		(3) General fertility rate is the number of ch	ndren born to women or age			
		group in the area.				
		(a) All	(b) Above 15 years			
		(c) Between 15-49	(d) adult			
		(4) If net migration is negative, it means that	t is more in the area.			
		(a) In-migration	(b) Out-migration			
		(c) rural-urban migration	(d) overall migration			
		(5) All places with a municipality, cantonme	ent board or notified town area			
	committee are classified as as per Census of India 2011.					
		(a) City	(b) Municipality			
		(c) Urban	(d) Corporation			
		6) A central place is a settlement which serves as for a number of other settlements which are dependent on it.				
		(a) Headquarter	(b) Capital			
		(c) City	(d) Focal Point			
		(c) Chy	(a) I ceal I chie			
	<b>(b)</b>	Define following terms: (Any Four)		04		
	(~)	(1) Demography		•		
		(2) Mortality				
		(3) Migration				
		(4) Area of city influence				
		(5) Rural-urban Dichotomy				
		(b) Italian around Diolocomy				
Q.2	(a)	What is the significance of demography processes by which the population of an are	<u> </u>	05		
	(b)	Write in brief about Thomas Malthus's cont  OR	· ·	05		
	(b)	What are the impacts of British Rule on urb	anization in India?			
Q.3	(a)	Explain the different stages of the 'demograsketch	phic transition theory' with proper	05		
	<b>(b)</b>	What are in-migration, out-migration and no	et migration for an area? What are the	05		
	. /	5 , 5				

- Q.3 (a) List down any five population components to be considered while creating the demographic profile of a city for urban planning exercises? Write one line about each component explaining its importance.
  - (b) Who is called a 'migrant'? What is the importance of understanding migration in planning?
- Q.4 (a) Explain what do you understand by the pull and push factors of migration? Write in a tabular format what could be the push and pull factors for rural-to-urban and urban-to-urban migration?
  - (b) Write down formulas to calculate the following: % Urbanization, Literacy Rate,
     Sex Ratio, General Fertility Rate, Infant Mortality Rate

OR

- Q. 4 (a) Explain what are the impacts of primary, secondary and tertiary economic 05 activities on the urbanization process of any region
  - (b) Calculate per 1000 women the prevailing Crude Birth Rate (CBR), General Fertility Rate (GFR) and Age Specific Fertility Rate (ASFR) for age groups (20-24), (25-29) and (30-34) for an unknown region using data given below:

Age Group of Women	Number of Births	Mid-year Female Population	
15-19	30,000	10,00,000	
20-24	1,50,000	14,00,000	
25-29	1,50,000	13,50,000	
30-34	50,000	10,00,000	
35-39	10,000	8,00,000	
40-44	3,000	7,00,000	
45-49	200	6,00,000	
Total	393200	6850000	
TOTAL MID-YEAR POPULATION = 2,00,00,000			

- Q.5 (a) Explain in detail, any two methods to estimate the current population of a neighbourhood having an area of about 100 Ha contained in a corporation's jurisdiction?
  - (b) Project population of an unknown city by any three methods for the year 2021. **05** The population of the same area, for previous decades is as given below;

Year of Population Count	Population
1981	3,00,000
1991	4,50,000
2001	6,55,000
2011	10,05,000

OR

- Q.5 (a) What are the different impacts of migration on any region?
  - (b) Define what is 'rural-urban fringe'? What are the distinct features of a 'rural-urban fringe zone'?

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