Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY BPLAN – SEMESTER 3– • EXAMINATION – SUMMER 2017

Subject Code: 1035502 Date: 02/05/2017 Subject Name: Settlement Geography Time: 02.30PM to 04.30PM **Total Marks: 50 Instructions:** 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. Q.1 Answer following multiple choice questions: 06 (a) i) Which of the following theory suggests more than one centre in a city? a) Multiple Nuclei c) White's 21st century city b) Vance's Urban Realm d) All of the above As per Christaller's Central Place Theory, for every one higher order center ii) there are _____ lower-order centers. a) 5 b) 6 c) 7 d) 3 concept of Christaller's Central Place Theory is based on iii) administrative principle. a) K=3 b) K= 5 c) K=6 d) K=7 As per Alonso's urban location theory, ______ determines land uses. iv) a) Transportation axis c) Income level of residents b) Land prices/ rent d) Gravity laws Which of the following determine retail influence of a city on its surroundings v) in terms of 'Probability Contours'? a) Reilly's Law of Retail Gravitation c) Converse's modification of Reilly's Law b) Huff's Gravity Model d) None of the above Which of the following theories suggest 'suburbs' as one of the element of vi) urban structure? a) Concentric Zone c) Multiple Nuclei b) Sector d) None of the above Define ANY TWO of following: 04 **(b) i**) **Gateway Cities** ii) Break-of-bulk Functions **Central Place Functions** iii)

Q.2	(a)	Discuss the hierarchy of towns of different size in a region, and why the larger cities are generally located at farther distances compared to smaller towns.	06
	(b)	Write a note on Rank-Size Rule.	04
		OR	
	(b)	Write a note on Primate City.	04
Q.3	(a)	Sketch a schematic map of Gujarat and delineate different regions/ sub-regions based on natural features and development. Briefly explain characteristics of ONE of delineated regions/sub-regions and how the geographical features has affected the regional development therein.	05
	(b)	Write a note on assumptions adopted by Walter Christaller for Central Place Theory.	05
		OR	
Q.3	(a)	Choose an Indian city, and discuss its urban structure with respect to following.	05
		Which of the classical theories - Concentric Zone, Sector, Multiple Nuclei- holds true fully or partially in its urban structure? And how it gets revealed/ expressed in its urban structure?	
	(b)	Write a note on Sector Theory. Also draw the sketch of urban structure model as suggested by this theory.	05
Q.4		Write a note on ANY 2 of following.	
	(a)	Region	05
	(b)	Site and Situation	05
	(c)	Conurbation	05
	(d)	Range and Threshold	05
Q.5	(a)	List the five elements forming the image of a city. Describe such elements of a town/city of your choice that play important role in forming its image.	05
	(b)	Discuss the character of Rural-Urban Fringe giving appropriate example. OR	05
Q.5	(a)	Write a note on gravitational forces that affect movement of people to cities/towns of different sizes in a region.	05
	(b)	Write a note, along with a sketch, on Mann's Model of typical British Town.	05
