

**GUJARAT TECHNOLOGICAL UNIVERSITY****Syllabus for Diploma in Vocation (D.Voc), 3rd Semester****Branch: Software Development****Subject Name: General Foundation Course****Subject Code: 1230201****With effective
from academic
year 2018-19**

Teaching Scheme			Credits	Examination Marks				Total Marks
L	P	OJT		Theory		Tutorial/ Practical		
			University exams (ESE)	Progressive Assessment (PA)	External Practical /viva Exam(ESE)	Internal evaluation Practical /viva Exam(PA)		
3	-	-	3	50	-	-	-	50

L- Lectures; P- Practical; OJT- On Job Training; C- Credit; ESE- End Semester Examination; PA- Progressive Assessment

Prerequisites: None**Course Content:**

Sr. No.	Content	Hours
1.	Business Management and Entrepreneurship Management of Business, Elementary treatment/exposure to basic conceptual frame work of the topic listed below: (a) Basic Function (b) Marketing Management (c) Financial Management (d) Production Management (e) Personnel Management	10
2.	Computational Skills 1. (a) Solution of linear equations and their application to problem of commercial mathematics. (b) System of linear equations and in equation in two variables. Applications in formation of simple linear programming problems. 2. Statistics: Raw data, bar charts and Histogram; Frequency Tables; Frequency Polygon; Ogive; Menu, Median and Mode of ungrouped and grouped data; Standard Deviation; Introduction to Mortality tables; Price Index etc. Introduction to Computers.	14
3.	Environmental Education & Rural Development Environmental Education: a. Modernization of agriculture and environment, irrigation, water logging, use of fertilizers, pesticides, soil erosion, land degradation (desertification and deforestation), silting and drying of water resources. b. Rational utilization, conservation and regeneration of environmental resources (soil, air, water, plant, energy, minerals).	08
4.	Rural Development Principles and goals of rural development, major problems/constraints in rural development in India.	07
	Total Hours:	39



Suggested Specification table with Marks (Theory):

Distribution of Theory Marks				
R Level	U Level	A Level	N Level	E Level
5	20	15	5	5

Legends: R: Remembrance; U: Understanding; A: Application, N: Analyze and E: Evaluate and above Levels (Bloom's Taxonomy)

1. Reference Book(s):

1. Environmental Studies, M.P. Poonia & S.C. Sharma, Khanna Publishing House
2. A Textbook of Environmental Sciences, Rimpi Mehani Ne' Chopra, Khanna Publishing House