



॥ विद्या सर्वस्य भूषणम् ॥

PRABODHAN EDUCATION SOCIETY'S  
VIDYA PRABODHINI COLLEGE OF COMMERCE, EDUCATION,  
COMPUTER AND MANAGEMENT, VIDYANAGAR, PARVARI, GOA.

**S.Y.B.A.B.Ed. SEMESTER END EXAMINATION**

**APRIL - 2019 (REGULAR/REPEAT)**

**SUB: GEOGRAPHY (PRACTICAL)**

**PAPER: PRACTICALS IN CARTOGRAPHIC TECHNIQUES-II**

**SEMESTER:IV**

**DURATION: 3 HOURS**

**MAX. MARKS: 50**

- Instructions: 1. Q.1, Q.5 and Q.6 is compulsory*  
*2. Solve any Two from Q.2 to Q.4*  
*2. Figures to the right indicate full marks.*  
*3. Draw map, sketch and diagrams wherever necessary.*

**Q.1 Answer the following (Any Two) (2x5=10)**

- A. Define the data and methods of data collection with detail  
B. Discuss the nature and importance of transportation data.  
C. Explain the 'Schedule method' with its merits and demerits.

**Q.2 Prepare Choropleth map for Goa to draw population density map by using following data and interpret result. (10)**

Table1: Talukawise area and population in Goa (2011)

Sr.No	Taluka	Area in Ha.	Population	Sr.No	Taluka	Area in Ha.	Population
1	Tiswadi	213.55	177219	7	Sanghem	873.75	65147
2	Bardez	263.98	237440	8	Dharbandora		
3	Pernem	251.68	75747	9	Canacona	352.04	45172
4	Bicholim	238.79	97955	10	Quepem	318.24	81193
5	Sattari	495.13	63817	11	Salcet	292.94	294464
6	Ponda	292.78	165870	12	Marmagao	109.12	154561

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**Q.3 Draw a 'Pie diagram' using following data and interpret the result. (10)**

Table 2: Number of vehicles in operation (2016-2017)

Sr.No.	Type of Vehicle	No. of Vehicles
1	Motor vehicles on hire	27034
2	Motor cycles and Scooters	852441
3	Private cars and Jeep	249726
4	Motor cabs	19545
5	Goods Vehicle	62064
6	Bus / Minibus	11831
7	Tractors / Other	3666
8	Auto Rickshaws	4336
9	Government Vehicles	4832

**Q.4 Draw 'Multiple Bar graph' by using following data and interpret result. (10)**

Table 3: Talukawise average yield of rice per Ha. in kharif & rabi season in Goa (2016-17)

Sr.No	Taluka	Kharif	Rabi
1	Tiswadi	2683	2879
2	Bardez	2961	2814
3	Pernem	2883	3005
4	Bicholim	2995	2552
5	Sattari	3040	2733
6	Sanguem	2548	2609
7	Dharbandora	2699	2701
8	Ponda	2658	2649
9	Canacona	2807	2905
10	Quepem	2642	2684
11	Salcete	2359	2821
12	Murmagao	2839	2868

**Q.5 Write the short note (Any Two) (2x5=10)**

- Define the sampling techniques? Discuss probability sampling techniques
- Discuss the data collection v/s census method.
- Explain the significance and applications of agriculture data.

**Q.6 Journal and Viva (5+5=10)**

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