

**Parvatibai Chowgule College of Arts and Science**  
**Autonomous**

B.A Semester End Examination, 27<sup>th</sup> January 2022

Semester: III

Subject: Geography

Title: Field Survey in Physical Geography (Elective)

Duration: 2 Hours

Max. Marks: 45

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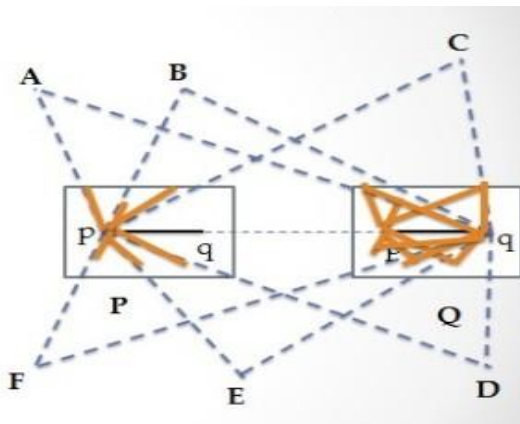
**Instructions:**

1. All questions are compulsory
  2. Figures to the right indicate full marks
  3. Illustrate your answers with suitable examples/diagrams
  4. Students are expected to hand write the answer from 10am to 12 pm.
  5. By 12.5 pm picture of the answer sheet should be clicked.
  6. Convert the picture into PDF document and save it using your roll no. and upload on Google classroom or email before 1.00 pm.
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**1. Answer ANY THREE of the following:**

**(09)**

- a) What is triangular survey in Geography?
- b) What is alidade in plane table survey?
- c) Identify the type of survey from the picture below and write its two advantages?



- d) What is Global Positioning System (GPS)?

2. Answer **ANY TWO** of the following: (12)

- a) Differentiate between field work and lab work methods of survey.
- b) Write the various classification of survey and explain any two types in detail.
- c) What are the pre and post survey tasks for conducting dumpy level survey?

3. Answer **ANY TWO** of the following (12)

- a) Write a short note on *re-centering and re-orientation* of plane table survey?
- b) How does GPS work? Explain the segments of GPS.
- c) Write a short note on *safety measures* during plane table survey.

4. Answer **ANY ONE** of the following: (12)

- a) Explain the procedure for conducting dumpy level survey to draw beach profile.
- b) Calculate reduced level, cumulative distance from the given data using rise and fall method and draw the profile.

Point no.	BS	IS	FS	RISE	FALL	DISTANCE	CD	RL
1	0.73							15mt
2		0.7				15		
3		0.65				8		
4		2.12				6.85		
5		2.32				6.3		
6		2.5				5.25		
7		2.62				5.35		
8		2.53				3.4		
9		2.39				3.1		
10		2.78				3.9		

11		2.61				2.1		
12	0.68		2.42			0.74		
13		0.62				2.15		
14		0.89				3.7		
15		0.95				4.5		
16		1.18				4.1		
17		1.37				2.7		
18		1.28				3.64		
19		1.52				3.5		
20		1.53				2.55		
21			1.55			3.25		

B.S-Back sight, IS-Intermediate sight, CD-Cumulative distance, RL-Reduced level

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