		CBCS SCHEME		
USN			ARC/ENG27	
Second Secondary D Arish Derives En Constitute Jan /Esh 2021				
Second Semester B.Arch. Degree Examination, Jan./Feb. 2021 Site Surveying and Analysis				
Time: 3 hrs. Marks: 100				
Note: Answer any FIVE full questions, choosing ONE full question from each module.				
		<u>Module-1</u>		
1	а. ь	What is Surveying? Explain the classification of surveying.	(10 Marks)	
	b.	List the applications of surveying.	(10 Marks)	
		OR S		
2	a.	List the different types of chains and tape used in surveying. Explain any o		
	1	neat sketch.	(07 Marks)	
		Erecting Perpendicular to the chain line, explain any 2 method briefly.	(06 Marks)	
	c.	The length of survey line was measured with a 20mts chain and was found As a check the length was again measured with 25mts chain and was found		
		The 20mts chain was 10cms too long. Find the actual length of 25mts.	(07 Marks)	
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		Module-2		
3	a.	Write short note on OPTICAL SQARE and CROSS STAFF.	(06 Marks)	
	b.	Briefly, explain the neat sketch, Radiation and Intersection.	(08 Marks)	
í.	c.	What are advantages and disadvantages of plain table surveying?	(06 Marks)	
		OB		
4	a.	Define the following :		
		i) Back sight ii) Fore sight iii) Bench mark iv) Elevation.	(06 Marks)	
	b.	Explain the temporary adjustment with respect to levelling.	(06 Marks)	
	c.			
		after third, sixth and eight reading. First reading was taken on a BM of 400.00mt. Enter the		
		below reading in a page of level book and calculate RL at all the points. Appl 2.220, 1.600, 0.980, 2.080, 2.860, 1.260, 0.600, 1.980, 1.040, 2.680. Use	•	
		method.	(08 Marks)	
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	, e	Module-3		
5	a.	What is a Contour? Explain the characteristics of a contour.	(12 Marks)	
	b.	List the various uses of contour.	(08 Marks)	
		OR		
6	a.	Explain how horizontal Angle is measured by METHOD OF REPE	TITION AND	
U	a.	METHOD REITERATION	(10 Marks)	
	b.	What are the different components of total station? List the various uses of to		
			(10 Marks)	
		Contraction of the second seco		
7	0	<u>Module-4</u> Explain in detail, what is "RECONNAISANCE SURVEY"?	(08 Marks)	
/	a. b.	Explain AERIAL and TERRESTRIAL PHOTO GRAMMETRY.	(12 Marks)	
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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.

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OR

Explain how the analysis of site is done with respect to the following : i) Soil ii) Topography iii) Land forms iv) Climate and Microclimate.

(20 Marks)

(10 Marks)

- Module-5
- List any 10 notations used in Land Survey maps. 9 a. List and briefly explain different types of Land survey maps. b.

8

(10 Marks)

OR

For a residential building central line is to be marked with all its dimensions work out the 10 details and also explain how the centre line marking is done at 2 sites. Plan of 3 Bed Room units is attached.[Refer Fig Q10]

