

PRN No.	
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PAPER CODE	U124-323
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May 2024 (ENDSEM) EXAM

F.Y.B. TECH. (SEMESTER - II)

COURSE NAME: Engineering Geology **Branch:** Civil Engineering **COURSE CODE:** CV12233
(PATTERN 2023)

Time: [1Hr. 30 Min]

[Max. Marks: 40]

(*) Instructions to candidates:

- 1) Figures to the right indicate full marks.
- 2) Use of scientific calculator is allowed.
- 3) Use suitable data wherever required.
- 4) All questions are compulsory. Solve any one sub question from each Question 1 and 2 and any three sub questions each from Questions 3 and 4.

Q. No.	Question Description	Max. Marks	CO mapped	BT Level
Q.1	a) Describe textures shown by the basaltic rocks	[5]	CO-1	Apply
	b) Explain 'Clastic' and 'Organic' rock deposits. Give examples of each	[5]	CO-1	Apply
Q.2	a) Describe various types of 'Joints' found in the Deccan trap rocks	[5]	CO-2	Understand
	b) What is unconformity? Describe any two types of Unconformities.	[5]	CO-2	Understand
Q.3	a) What difficulties may have to be faced while excavating tunnel through axial plane of a fold?	[5]	CO-3	Apply
	b) Describe favourable and unfavourable geological conditions for the STABILITY OF HILL SLOPES. Draw neat diagrams.	[5]	CO-3	Apply
	c) Discuss different types of slope failures with neat sketches	[5]	CO-3	Apply
	d) Differentiate between P- waves and S- Waves	[5]	CO-3	Apply
Q.4	a) Discuss various methods of conservation of groundwater	[5]	CO-4	Apply
	b) What geological exploration is required to be carried out in and around 'reservoir area' of proposed dam	[5]	CO-4	Apply
	c) Discuss the factors affecting watershed management?	[5]	CO-4	Understand
	d) Enlist the requirements of 'Building Stones'. Describe any two amongst the list	[5]	CO-4	Understand

