3 Hours/100 Marks	Seat No.
Instructions :	(1) All questions are compulsory.
	(2) Illustrate your answers with neat sketches wherever
	necessary.
	(3) Figures to the right indicate full marks.
	(4) Assume suitable data, if necessary .
	Марка
1. A) Attempt any si	x questions. 12
a) Define 'trea	d'.
b) Enlist mear	s of vertical communication.
c) Define 'plas	tering'.
d) State two p	urposes of termite proofing.
e) Define 'wor	kability of concrete'.
f) What do yo	u mean by steel fibre reinforced concrete ?
g) Define 'scat	folding'.
h) Suggest su	itable size of door for
i) WC	
ii) Living roo	om.
B) Attempt any tv	vo questions : 8
a) What is nec	essity of dewatering of foundation trenches ?
b) What is DP	C ? What is its necessity ?
c) What are th	e various tools and plants used for excavation of foundation ?

		Marks
2. Attempt any four questions :		
a) Explain the term timbering and strutting foundation trench.	
Ł) Draw flow diagram showing classification of foundation.	
C) Draw neat labelled sketch of 'raft foundation'.	
C) Draw neat labelled sketch of 'pile foundation'.	
e) Suggest suitable type of foundation for	
	i) Marshy land	
	ii) Black cotton soil.	
f	What are the requirements of good stone masonry ?	
3. Attempt any four questions :		16
a) Explain expansion joint in SM with respect to purpose and procedure.	
k) Differentiate with respect to four points Brick Masonry and stone Masonr	у.
c) Draw neat labelled sketch showing component parts of scaffolding.	
c) Draw neat labelled sketch of flush door.	
e) Explain procedure for replacing glass of existing sliding window.	
f	List various components of building and define 'composite structure'.	
4. Attempt any four questions :		
а) List four precautions to be taken while marking layout on ground.	
Ł) Define foundation and enlist two requirements of good foundation.	

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- c) Mention suitability and draw neat labelled sketch of bifurcated staircase.
- d) Mention suitability of each type of floor finish with reason
 - i) Chequered tiles
 - ii) Caddappa.
- e) Draw neat labelled sketch of lean to roof.
- f) Explain concrete floor w.r.t. construction and suitability.
- 5. Attempt any four questions :
 - a) Explain procedure of repainting after repairs.
 - b) Explain pointing with respect to necessity, types and procedure.
 - c) Enlist types of painting with suitability of each type.
 - d) Draw neat labelled sketch of formwork for beam.
 - e) Explain waterproofing with respect to necessity and importance.
 - f) Suggest suitable maintenance procedure for the following :
 - i) leakage in slab
 - ii) ant attack in door frame
 - iii) cracks in wall
 - iv) settlement of building.

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- a) Define prefabricated structures. Mention any four advantages and disadvantages.
- b) Explain Tremix concrete method w.r.t.
 - i) Definition
 - ii) Procedure
 - iii) Application
 - iv) Equipments used.
- c) i) Enlist soil reinforcing techniques and explain any one.
 - ii) 'Roller compacted concrete' is a special type of concrete. Justify the statement.

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