

17308

110	urs / 100 M	arks	Seat No.								
	Instructions :	 (2) Answe (3) Illustri (4) Figure (5) Assum (6) Mobili 	testions are comp er each next main trate your answer es to the right in the suitable data, le Phone, Pager es are not permis	in qua s wit idicat if ne a and a	estion h nea te full c essa iny ot	t sketa I mari ry. her El	ches w ks. lectroi	herev		nicatic	on
										I	Marks
I. A)	Attempt any six of	the followin	g :							(6>	(2=12)
	a) Define foundat	ion. Give on	e purpose of it.								
	b) Give four comp	onents of do	oor.								
	c) State any two p	urposes of p	lastering.								
	d) State two advar	ntages of pre	fabrication.								
	e) Define masonry	·									
	f) State the variou	s means of v	ertical communic	ation	•						
	g) List any four co	omponent pa	rt of staircase.								
	h) State two cause	es of cracks	in masonry work.	•							
B)	Attempt any two of the following :								(4	×2=8)	
	a) List any four co	-	-			nction	•				
	b) Explain term "ti	0	U			ofee	ah				
	c) State four types	s of tools use		witti	SKEICI	101 ea	cn.				
2. Att	tempt any four of th	e following:	:							(4>	<4=16)
a)	Draw a neat sketch	of section of	f load bearing wa	ll froi	n foui	ndatio	n to pa	arapet.			
b)	Explain four genera	l design prin	ciples of earthqua	ke res	sistant	buildi	ng.				
· · ·	What is meant by s layout?	ite clearance	e and give any for	ur po	ints to	consi	dered	while	prepa	ring jo	ob
d)	Draw a labeled ske i) Raft and ii) Isolated Footing										
		-	with a set shot sh								
e)	Suggest the suitable 1) Morshy land	roundation	with neat sketch i	OF:							
	, ,										
	2) Black cotton so	il.									

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3. Attempt any four of the following :

- a) Why English bond is Stronger than Flemish bond? Give four reasons.
- b) Mention four types of doors and draw a sketch of any one.
- c) Explain doglegged stair with neat sketch.
- d) Explain the term :
 - 1) Mezzanine floor
 - 2) Tremix floors
 - 3) Dado
 - 4) Skirting.
- e) Explain King Post truss and Queen post truss with its suitability of each.
- f) Suggest a type of window for following building :
 - 1) Residential bungalow
 - 2) Cinema hall
 - 3) School
 - 4) Enclosed R.C.C. staircase.
- 4. Attempt any four of the following :
 - a) In which situations where pitched roof is more suitable than flat roof give any four points.
 - b) Describe method of application of point on new-wooden surface.
 - c) What is pointing ? Explain procedure of pointing.
 - d) Write any four defects in plastering work and give remedies on it.
 - e) Explain termite proofing with its necessity and importance.
 - f) Draw the form work sketches for column and beam.
- 5. Attempt **any four** of the following :
 - a) State any three causes of settlement of structure and remedial measures for it.
 - b) State four uses of wire mesh and geosynthetics.
 - c) Explain any four requirement of good foundation.
 - d) Define 'Ready Mix Concrete' an enlist any four equipments for RMC.
 - e) Distinguish between roller compacted concrete and high impact resisting concrete on four points.
 - f) Write the procedure of vacuum dewatering concreting for construction of floors.
- 6. Attempt any two of the following :
 - a) Distinguish between stone masonry and brick masnory.
 - b) 1) Explain pile foundation and well foundation with neat sketches.2) Explain workability and W/C ratio of ready mix concrete.
 - c) Explain pre-tensioning and post-tensioning prestressed concrete.

Marks (4×4=16)

 $(4 \times 4 = 16)$

(4×4=16)

 $(8 \times 2 = 16)$