## **QP Code: 5100**

		(3 Hours)	[Total Marks:80]
Note:-	<ol> <li>Question no. 1 compulsory.</li> <li>If required, assume data but state them of Illustrate with neat sketches wherever re</li> </ol>	2. Answer any learly 4. Attempt sub	three questions out of remaining questions in order ght indicate full marks.
	5. Inducate with near sectiones who ever re-	quito 0.11guros to 11	ght indicate fun marks.
as a deal	You are the site in-charge of a quarry pre-requisite for removing stones. For ing with explosives; to your supervise Enlist the ideal requirements of a form Define building. Explain the functions	ormulate a list of instructions, labours and publinations. Discuss slip for	actions to be given, while c in proximity of the site.[8] rm-work.
2 (a) I	Explain with neat sketches:  (i) Under-reamed pile foundation.  (ii) Flemish bond.		[3] [3] [4]
(b) '	Write short notes on:  (i) Uses of non-ferrous alloys in cor	nstruction.	[4]
(c) I	(ii) Form-work for beam. Enlist various materials used for damp	o-proofing. Discuss m	[4] ethods of water proofing.[6]
3 (a) S	State functional requirements of floor: Write short notes on:	ing. State four market	names of flooring tiles. [6]
	<ul><li>(i) Prevention of accidents on site</li><li>(ii) Storage of materials at site.</li></ul>	THE CO.	[4] [4]
	Write down the ideal requirements of etail.	a scaffold. Explain an	y one type of scaffolding [6]
	Define seasoning of timber. Explain, was Write short notes on:	with neat sketches, de	fects in timber. [8]
	(i) Design and materials used to ove (ii) Glass fibre reinforced Plastics	rcome Acoustical De	fects. [4]
	(iii) Construction requirement in Air	r Conditioning system	s. [4]
5 (a) V	Write down engineering properties of: (i) Glass		[2]
(h) T	(ii) Ceramic products (iii) POP		[3] [2] [2]
(0) [	Explain the following with neat sketch (i) Beaded pointing (ii) Queen-post truss	les	[2]
	(iii) Dots and screeds in plastering (iv) Blistering.		[4] [2]
6 (a)W	rite what you mean by dressing of sto	ones? Explain with ne	at sketch "Reticulated
vario	ou are the building materials supervious field tests you will perform to invo	estigate the desirable	[6] project. Discuss, in brief, qualities of basic
mate	rials which are being supplied to you ompare hollow and solid concrete blo	r site.	ro1