17607

_	516	_				F						
3	Ho	ours / 1	.00	Marks	Seat	No.						
	Instru	uctions – ((1) A	ll Questions	are Comp	oulsory						
		(2) A	nswer each n	ext main	Ques	tion c	on a	nev	<i>w</i> ра	ige.	
		(3) F	igures to the	right ind	icate 1	full m	arks	5.	-	-	
		((4) A	ssume suitabl	e data, i	f nece	ssary.					
		(C	lobile Phone, ommunication xamination H	devices	•						
											Ma	ırks
1.		Attempt a	ny <u>F</u>	<u>TVE</u> of the f	following	:						20
	a)	Explain the importance of plumbing.										
	b)	State any four uses of codes in plumbing.										
	c)	Define trap	p. Sta	te its two us	es.							
d) List any four types of valves.												
	e) State the flush volumes of water closet, wash bas and urinal.						isin,	sho	ower			
f) Define suds relief and sub drain.												
	g)	Explain grey water and its drainage.										
2.		Attempt any <u>FOUR</u> of the following: 16										16
	a)	Differentia	te be	tween air gap	and air	break						
	b)	Explain the	e pro	cedure of sm	oke test.							
	c)	Draw neat	sket	ch of c/s of 1	European	type	water	clo	set.			
	d)	Explain wirdrainage.	ith a	neat sketch h	nydraulic	jump	in plu	umb	ing			
	e)	List any f	our n	naterial used	for drain	age pi	ping.					
	f)	Explain the	e me	thods used fo	r protect	ion of	drain	age	pip	es.	Р'	ГО

3.

Attempt any FOUR of the following:

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a) Draw neat sketches of elbow tee, wye and cross fittings. b) State different sources of water. c) Define potable and non-potable water. d) Explain rain water harvesting in plumbing systems. Explain cleanout with a neat sketch. e) Define roof drain and leaders. f) 4. Attempt any TWO of the following: Explain the significance of co-ordination between different a)

- agencies involved in plumbing services. Give two examples.
- b) Explain with a neat sketch hot and cold water distribution system.
- Explain with a neat sketch one pipe and two pipe systems c) of building drainage.

5. Attempt any TWO of the following:

- a) State any eight requirements of a good trap.
- b) Explain venting system in plumbing. State any four types of vents.
- What are the functions of hangers and supports? Draw sketches c) of any two of its types.

6. Attempt any TWO of the following:

- a) Draw neat sketches of any four types of traps. (c/s with dimensions)
- b) Explain with neat sketch discharge of fixtures below inverted level.
- c) Explain reclaimed water. State any four uses of it.

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