BACHELOR OF ARCHITECTURE 3RD YR. 1ST SEM. EXAM (SUPPLEMENTARY)

SERVICES & EQUIPMENT-I

Time: Thi	ree Hours	Full Marks: 100	
01. Us	: Answer for 100 marks sing appropriate sketches describe how water becomes avail escribe qualitative and quantitative requirements of potable water.	able in Nature.	
	ith the help of suitable sketches, describe intake work using filtration gallery with a river as the source of supply of water.	Jack well and	25
	escribe the process of treatment of raw water from a river source in eatment Plant.	a Water	25
'S the	ith the help of appropriate sketches, describe the advantages and di ingle Stack' and a 'Double Stack' system in connection with drainate role and behaviour of a vertical Vent pipe connected to the Soil pir a tall building.	ige. Describe	
	scuss the utility of installation of 'Traps' in Drainage pipings. Vitable sketches explain how Piping including traps are housed with	_	
	ith the help of appropriate sketches, describe the functional utilitienspection Pit' and 'Man Hole'.	s of	25
	raw plan and section of a Septic Tank and a Soak pit. Describe the parification of sewage in a Septic Tank	process of	25
the Sp	05. Describe 'Dry Risers' and 'Wet Risers' in connection with Fire Fighting. Describe the purpose of installation of 'Hose Reel Installation'. Name the different types of Sprinklers used in buildings. Using suitable sketches, describe the performance of any one of such type of sprinkler.		
Cc	pecify the maximum travel distance acceptable by the Kolorporation that should not be exceeded between two staircase ailding.		25
06.	Write short notes on (any five)		(5X5)
(i) (ii) (iii) (iv) (v) (vi) (vii) (viii)	Fire Hydrant Ductile Cast iron pipe Clariflocculator Bell & spigot joint in drainage piping Vertical Turbine Pumps and Submersible Pumps Different Water supply Piping Joints Slope for laying drainage pipes Fixture Units		=25
(ix)	Water Closet and Bidet		

(x)

Centrifugal pumps