

2023

WATER SUPPLY AND SANITARY INSTALLATION*Full Marks : 100*

Time : Three hours

*The figures in the margin indicate full marks for the questions.**Answer any five questions.*

1.	a)	What are the various sources of water used in water supply schemes? Discuss their merits and demerits from quality and quantity point of view?	4+6=10
	b)	What is a well? Briefly discuss the classification of well according to the condition of flow.	4+6= 10
2.	a)	What are the different kinds of pipes available for use in water supply system? Discuss merits of each.	10
	b)	Discuss the procedure of laying of water supply pipes.	10
3.	a)	State the merits and demerits of (a) Separate system of sewerage, and (b) Combined system of sewerage	5+5=10
	b)	Explain why it is necessary to have a proper system of sewage disposal.	10
4.	a)	What are 'traps'? Why is it necessary that all sanitary fittings should be provided with individual traps?	4+6=10
	b)	Draw neat sketch of different types of traps used in buildings and explain the suitability of different traps for different types of conditions.	10
5.	a)	What do you understand by sanitary fittings? Draw a suitable figure of any sanitary fittings used in building showing its different components.	4+6 =10
	b)	Define plumbing. Briefly discuss the different types of plumbing system adopted in a building or premises.	4+6=10
6.	Write short notes on any two of the following		4x5=20
	a)	Flushing cistern	
	b)	Gully trap	
	c)	Water closet	
	d)	Inspection chamber	