Octe: 26/11/2016.

Exam No:	
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GANPAT UNIVERSITY B. TECH SEM- V (CIVIL) REGULAR EXAMINATION- NOV-DEC 2016 2CI506: Building Services

	TOTAL MARKS	: 60
Ins	tructions: (1) This Question paper has two sections. Attempt each section in separate answer boo (2) Figures on right indicate marks.	k.
	(3) Be precise and to the point in answering the descriptive questions. SECTION: I	
Q.1	design.	(05)
	B. Enumerate and describe briefly the various tests to detect the wastage of water. OR	(05)
Q.1	A. Distinguish between Surface reservoir and elevated reservoir B. Write short note on Antisyphonage pipe	(05) (05)
Q.2	A. With the help of sketches, describe the following sanitary fittings:i) Indian type water closetii) Wash basin	(05)
	B. Write short note on Intercepting trap and state its merits and demerits OR	(05)
Q.2		(05) (05)
Q.3	septic tank and percolation rate of 1250 litres/ cu.m/ day for soak pit. Assume suitable data if required.	(05)
	B. Write Advantages and Disadvantages of septic tank.	(05)
	SECTION: II	
Q.4	A. A production area in a factory measures 120 metres x 48 metres. Find the number of lamps required if each lamp has a Lighting Design Lumen (LDL) output of 18,000 lumens. The illumination required for the factory area is 200 lux. Utilisation factor = 0.4 Lamp Maintenance Factor = 0.75. With the same data show the lighting design layout if spacing to mounting height ratio is 3:2 and mounting height is 4 meters.	(10)
	OR	
Q.4	A. State the importance and types of Earting and discuss plate earthing with neat sketchB. What are the advantages of Copper pipes over Plastic pipes?	(05) (05)
Q.5	A. What are the different methods for conveyance of water? Write the lacunas of Gravity conduits.	(05)
	B. Explain the working of Fluorescent tube also enumerate its types. OR	(05)
Q.5	A. What is the scope of Building Services? Which services should an ideal residential building required?	(05)
	B. Briefly explain the working of Air Valve and Reflux Valve. Support your answer with a neat sketch.	(05)
Q.6	ANSWER THE FOLLOWING	
	A. Give the proper definition of Light and Luminous Intensity.	(04)
	B. Explain in detail the classes of fire.C. State to explain the necessity of ventilation.	$\begin{array}{c} (04) \\ (02) \end{array}$