Total Page =02

END SEMESTER EXAMINATION(ESE) 2020

SEMESTER : SIXTH (6 th) SUBJECT : ENVIRONMENTAL ENGINEERING & POLLUTION CONTROL SUBJECT CODE : CV-603 NEW SYLLABUS. TOTAL MARKS: 56 (FIFTY SIX ^a) ¹ SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM TIME : 2 hrs. 30 minutes an SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM
SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM ALL QUESTIONS ARE COMPULSORY. SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM (Choose the right answer : question no 1 to 4) (Choose the right answer : question no 1 to 4)
 The location of a well is considered to be good, if it is suck into CTE ASSAM screassam screassam screassam screassam screassam screassam screassam screassam (a) coarse gravel (b) silt (c) clay (d) sand screassam screassam screassam screassam screassam screassam screassam Pollutants in air can be in the form of the assam screassam screassam screassam screassam
 (a) particulates matter (b) gases (c) micro organism (d) any one of the above. 3. The minimum depth of water seal in a good traps is an acter assam acter assam acter assam
 (a) 2.5 to 7.5 cm^{SAN}(b)^E10 to 15 cm^{AN}(c) 15 to 20 cm^{SAN}(d) 30 to40 cm^{SSAM} SCTE ASSAM SCTE ASS
(FILL UP THE BLANKS :QUESTION NO 5 TO 7) SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM 5. Maximum acidity will occur at P ^H value
 6. The water of river has an important property called <u>AM SCTE ASSAM SCTE ASSAM</u>. 7. Trickling filter is a <u></u>
 8. The aim of disinfection is to kill all the microorganisms in water. SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM 9. Particulate matter cause air pollution.
10. The period of cleaning for slow sand filter is 2 to 3 month. ^{SAM SCTE ASSAM} SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM PART-B.(46 MARKS) SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SC (All question are compulsory) AM SCTE ASSAM
11 Define the term server servers and serverses 3

11. Define the term sewer, sewage and sewerage. 3

12. How coagulants are helping in treatment of water ? Name few common coagulants used in water. 2+1=3

or

Write the names of the three principal system of plumbing. 3

13.What is intake work ? Write names of different intake works. $2+1=3$	
14. What is chlorination ? What are different form of chlorination ? 2+3	=5
or	
(a) What is wholesome water? 2 scte Assam scte Assam	
(b) Write the name of chemical compound that causes permanent hardness a Temporary hardness of water. 3 _{SCTE ASSAM SCTE A}	nd
scte assam scte assam 15. How coagulants are help in treatment of water ? Name few common coagula scte assam scte assam scte assam scte assam scte assam scte assam scte assam water. 2+2=4 scte assam scte assam scte assam scte assam scte assam scte assam scte assam	nts used in
16. Differentiate between shallow well and deep well with sketches. TE ASSAM	4
17. What is air pollution ? What are the different causes of air pollution ? ^M	2+3=5
18. What is traps? What are its different types? 2 ¹ /2+	1 1/2=4
19. define the following term. ^M SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM i. Per capita demand. ^r eii. Manhole. ^{AM} iii. ^e Grease and oil trap. ^s iv. Septic tank. SCTE ASSAM SCTE ASSAM SCTE ASSAM ASAM ASO r M SCTE ASSAM SCTE ASSAM SCTE ASSAM Give reasons: TE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM	1 ½ x4=6
 (a) The climate of locality affects its water requirements. 2 Screassam screassam screassam screassam screassam screassam screassam 	
 (b) The excess hardness of water is undesirable.scre ASSAM S 2E ASSAM (c) The demand of water changes hour to hour. SCRE ASSAM S 2E ASSAM 20. write short notes on: (any three) SCRE ASSAM SCR 3x3=9 SCRE ASSAM SCRE ASSAM 	
 (a) oxidation pond. (b) Activated sludge process. (c) P^{-H} value^{SCTE ASSAM} (d) jar test. (e) Free residual chlorine. (c) SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM SCTE ASSAM 	
(a) What is residual chlorine? Write down the name of method for determining chlorine.	ng residual
(b) Draw the line diagram to show different stages of a water treatment plant	. 6
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