Subtopic: Treatment of polluted water, waste water treatment plant

Section 1:

1.	Fill in the blank and complete the sentences.		
(i)	The full form of WWTP is		
(ii)	The wastewater is first passed through which remove big objects from the water like plastic bottles, napkins, rags, cans and sticks.	า	
2.	Observe the given figure and answer the following Pumping station (iv) Sedimentation (iii) Sand and Sand Chlorinating (vi) tank Chlorinating (vi)	ad	
a.	What does this figure show?		
b.			
	State the functions of each part of the figure in very brief?		
3.	Mark 'T' if the statement is true and 'F' if it is false:		
(i)	Aerobic bacteria produces biogas sludge in the digester tank.]	
/ii)	The studge is separated from the water with the help of a Scrapper	1	

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4.	Multiple choice questions:					
a.	Which of the following organisms produce biogas from sludge in the digester tank of a wastewater treatment plant?			nk of a		
	(i)	Anaerobic bacteria	-			
	(ii)	Fungi	-			
	(iii)	Aerobic bacteria -				
	(iv)	Protozoa	-			
b.	Chlorine	is used in municipal water treatment plant to				
	(i)	change the taste of water	-			
	(ii)	prevent evaporation	-			
	(iii)	kill the harmful micro-organisms	-			
	(iv)	prevent sedimentation	-			
	Section 2	:				
5.	Answer th	ne following question in brief.				
a.	Name tw	o chemicals used to disinfect water				
	(i)					
	(ii)					
b. Which trees are planted along sewage ponds. Give reason.						

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6		elow is a jumbled sequence of the processes involved in a wastewater treatment rrange them in their correct sequence?
	a)	Sludge is scraped out and skimmer removes the floating grease.
	b)	Water is made to settle in a large tank with a slope in the middle.
	c)	Large objects like plastic bags are removed by passing wastewater through bar screens.
	d)	Sand, grit and pebbles are made to settle by decreasing the speed of incoming wastewater.
	e)	Wastewater enters a grit and sand removal tank.
7	What is s	sludge? Explain how it is treated.
8	Describe	e the steps involved in getting clarified water from wastewater.

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Se	cti	on	3:

9.	Name two things that can be	e made from sludge extracted during treatment of sewage.
10.	Mention the various processes below pictures? Describe ea	es involved in the wastewater treatment plant shown in the ch of them.
a.		Name the Process :
		Describe:
	The same of the sa	
b.		Name the Process :
		Describe:
		Describe.
c.		Name the Process :
		Describe:
d.		Name the Process :
u.		Describe:
		- DOJGIBO.

