Q.43 Which of the bacteria causes the cholera?

Ans. Bacteria vibrio cholera causes cholera.

Multiple Choice Questions

- 1. Which one of the properties of water is responsible for rising of water plants?
 - (a) specific heat capacity
 - (b) surface tension
 - (c) excellent solvent action
 - (d) capillary action
- 2. Specific heat capacity of water is
 - (a) $4.2 \text{ kJg}^{-1}\text{K}^{-1}$
 - (b) $4.2 \text{ Jg}^{-1} \text{K}^{-1}$
 - (c) 2.4 KJg⁻¹K⁻¹
 - (d) $2.4 \text{ Jg}^{-1}\text{K}^{-1}$
- 3. Water dissolves non-ionic compound by
 - (a) ion-ion forces
 - (b) ion-dipole forces
 - (c) dipole -dipole forces
 - (d) hydrogen bonding
- 4. Temporary hardness is because of
 - (a) Ca(HCO₃)₂
 - (b) CaCO₃
 - (c) MgCO₃
 - (d) MgSO₄
- 5. Temporary hardness is removed by adding
 - (a) quick lime
- (b) slaked lime
- (c) lime stone
- (d) lime water
- 6. Permanent hardness is removed by adding
 - (a) Na₂zeolite
- (b) soda lime
- (c) lime water
- (d) quick lime

- 7. Which one of the following salts makes the water permanently hard?
 - (a) NaCO₃
- (b) NaHCO₃
- (c) Ca(HCO₃)₂
- (d) CaSO₄
- 8. Rapid growth of algae in water bodies is because of detergent having
 - (a) carbonate salts
 - (b) sulphonic acid salts
 - (c) sulphate salts
 - (d) phosphate salts
- 9. Which one of the followings is not a reason of depletion of O₂ from water
 - (a) decaying of aquatic plants
 - (b) biodegradation of aquatic plants
 - (c) sulphate salts
 - (d) phosphate slats
- 10. Which one of the following diseases causes liver inflammation?
 - (a) typhoid
 - (b) jaundice
 - (c) cholera
 - (d) hepatitis
- 11. Which one of the following diseases causes severe diarrhea and can be fatal?
 - (a) jaundice
 - (b) dysentery
 - (c) cholera
 - (d) typhoid
- 12. Which one of the following gases is used to destroy harmful bacteria in water?

(a) iodine		(a) 12 cm ⁻³	(b) 2 g cm^{-3}			
(b) chlorine		(c) 1 g cm ⁻³	(d) 4gcm ⁻³			
(c) fluorine		23. How many times	the heat capacity of			
(d) bromine		water is greater than that of rocks.				
3. The percentage	e of water in human	(a) two	(b) three			
oody is		(c) four	(d) Six			
(a) 40%	(b) 50%	24. The process by w	hich water rises up			
(c) 60%	(d) 70%	from the roots of pla	nts to leaves is			
4. The percentage	e of oceans in world	called				
water is		(a) Photosynthesis	(b) Respiration			
(a) 50%	(b) 67%	(c) Surface tension	(d) Capillary action			
(c) 97%	(d) 25%	25. Which of the follo	owing salt is soluble			
l5. Inland water in	ncludes	in water?	3			
(a) River	(b) Lakes	(a) NaCl	(b) KCl			
(c) Streams	(d) All of them	(c) Na ₂ SO ₄	(d) All of them			
l6. Sea water is ur	nfit for drinking	26. Which of the following is insoluble				
purpose due to the	e presence of	in water?				
(a) Salts	(b) Algae	(a) Benzene	(b) NaCl			
(c) Fishes	(d) All of them	(c) KCl	(d) All of them			
17. The percentage of potable water on		27. One H ₂ O molecule can form				
earth is	*	hydrogen bonding w	ith how many other			
(a) 2%	(b) 0.2%	H ₂ O molecules?				
(c) 0.02%	(d) 0.002%	(a) One	(b) Two			
18. The freezing p	oint of water is	(c) Three	(d) Four			
(a) 10^{0} C	(4) -04 -	28. Water molecules	show structure			
(c) 0^{0} C	(d) 46° C	(a) Tetrahedral	(b) Trigonal			
19. The boiling point of water is		(c) Pentagonal	(d)			
(a) 100° C	(b) 4^{0} C	29. Some organic cor	npounds are			
(c) 0^{0} C	(d) 25° C	soluble in water due	to the presence of			
	aximum density at	(a) -OH	(b) H ⁺			
(a) 10^{0} C	(b) 0^{0} C	(c) both a and b	(d) covalent bond			
(c) 4° C	(d) 100^{0} C	30. Which of the follo	owing is soluble in			
21. The heat capac	•	water?				
	(b) $2.1 \text{ Jg}^{-1} \text{k}^{-1}$	(a) Organic acids	(b) glucose			
(c) $3.2 \text{ Jg}^{-1}\text{k}^{-1}$	(d) $5.9 \text{ Jg}^{-1}\text{k}^{-1}$	(c) alcohols	(d) all of them			
22. Water has a maximum density at		31. Water which produces good lather				
4°C		with soap is called				

er.							
(a) Soft water	(b) Hard water	41. Soap is the sodi	ium salt of long chain				
(c) Heavy water	(d) All of them	(a) Amino acids	(b) Fatty acids				
32. Chemical form of		(c) Nucleotides	(d) None of them				
(a) MgSO ₄ . 5H ₂ O		42. Mg ²⁺ and Ca ²⁺	ions react with soap				
	(d) CuSO ₄ . 5H ₂ O	to form calcium an	d magnesium salts of				
33. Chemical formula		fatty acids called					
(a) CaO	(b) Ca(OH) ₂	(a) gelatin	(b) Scum				
(c) CaCO ₃		(c) Paste	(d) None of them				
34. Gypsum in water		43. Industrial efflu	43. Industrial effluents are highly				
(a) Sparingly solul		(a) Toxic organic	(a) Toxic organic compounds				
	(d) None of them	(b) Inorganic Sa	ılts				
35. Temporary hard		(c) Heavy Meta	(c) Heavy Metals				
presence of bicarbon		(d) All of them	(d) All of them				
(a) Calcium	(b) Magnesium	44. Which is not a	heavy metal?				
s ×	(d) None of them	(a) Cadmium	(b) Lead				
36. The removal of v		(c) Zinc	(d) Mercury				
water softening		45. Acute cadmium poisoning causes					
(a) Na ⁺	(b) Mg^2	(a) High Blood	pressure				
(c) Li ⁺	(d) K ⁺	(b) Kidney dama	age				
37. Calcium carbonate is in water		(c) Destruction of RBC's					
(a) Insoluble ((d) All of them					
(c) None of them		46. Acute lead poi	soning causes				
38. Temporary hard	22 1	dysfunction of					
be removed by		(a) Kidney	(b) liver				
(a) Boiling Method	d	(c) CNS	(d) All of them				
(b) Using washing soda		47. Neurological damage is caused by					
(c) Using Sodium		the poisoning of					
(d) All of them		(a) Lead	(b) Cadmium				
39. Sodium zeolite is	naturally	(c) Mercury	(d) All of them				
occurring reason of	9	48. The salts of w	hich element are				
(a) NaAl (SiO ₃) ₂		present in deterge	ent that causes the				
*	(d) Na ₂ SiO ₃		lgae in water bodies is				
40. Hard water can		(a) Phosphate	(b) Calcium				
(a) Stomach disorder		(c) Sodium	(d) All of them				
(b) Boiler blasts		49. The depletion	49. The depletion of which gas results in				
(c) Inefficiency of	engine	the death of aqua	Committee Commit				
(d) All of them	6	(a) Oxygen	(b) Carbon dioxide				
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50. Example of pest is		57. Hook worm larvae enter the body			
(a) Weeds	(b) Herbs	through			
(c) Insects	(d) all of them	(a) Food	(b) water		
51. Which element	protects teeth from	(c) Skin	(d) All of them		
decay?	r.	58. A disease is caused by excess of bile			
(a) Potassium	(b) Fluorine	pigments in the bl	lood is		
(c) Sodium	(d) Calcium	(a) typhoid (b) Jaundice			
52. Which disease is	caused by polluted	(c) Cholera	(d) Dysentery		
water?		59. Which organ ceases to function			
(a) Cholera	(b) Typhoid	during Jaundice?			
(c) Diarrhea	(d) All of them	(a) Liver	(b) Kidney		
53. Which element	do not causes	(c) Stomach	(d) large intestine		
toxicity in water?		60. Swimming pools are cleaned by the			
(a) Lead	(b) Arsenic	process			
(c) Sodium	(d) Mercury	(a) Chlorination	ι		
54. Vibrious cholera	a causes	(b) Hydrogenations			
(a) Cholera	(b) Dysentery	(c) None of thes	se		
(c) Fluorsis	(d) Hepatitis	(d) Saponification			
55. Which hepatitis	is caused by	61. Chemical formula of hypochlorous			
contaminated water	?	acid is			
(a) Hepatitis A	(b) Hepatitis B	(a) HCl	(b) HOCl		
(c) Hepatitis D	(d) Hepatitis C	(c) H ₂ CO ₃	(d) HF		
56. Hookworm infects.		*	8		
(a) Liver	(b) small intestine				
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(c) Both of them (d) None of them

(c) Large intestine (d) Stomach

Answer Key

1	d	2	В	3	d	4	A	5	b
6	a	7	d	8	d	9	C	10	d
11	b	12	d	13	d	14	С	15	d
16	a	17	b	-18	С	19	A	20	С
21	a	22	С	23	d	24	D	25	d
26	a	27	d	28	a	29	Α	30	d
31	a	32	b	33	С	34	Α	35	С
36	b	37	a	38	a	39	ä	40	d
41	b	42	b	43	a	44	С	45	d
46	d	47	С	48	a	49	a	50	d
51	b	52	d	53	С	54	a	55	a ·
56	b	57	С	58	b	59	a	60	a
61	b	,							