საკვალიფიკაციო ტესტები პროგრამისათვის "წყლის ინჟინერია" Qualification tests for Master's program "Water Engineering"

1		Infectious agents present in polluted wastewater are named:
	A.	Pesticides
	B.	Pathogens
	C.	Nutrients
	D.	Hallogens

2		Natural complex organic acids found in surface waterand have dark brown color
		are:
	A.	Fulvic acids (soluble)
	B.	Humic acids (insoluble)
	C.	Humin or kerogen (insoluble)
	D.	Humic acids (insoluble)

3		Lakes created by river meanders in flood plains and lakes formed by fluvial damming due to sediment deposition by tributaries are called:
	A.	Tectonic lakes
	B.	Glacial lakes
	C.	Fluvial lakes
	D.	Solution lakes

4		The transpiration is:
	A.	The evaporation from groundwater surface
	B.	The rainfall that flows into rivers as surface water and recharges groundwater
	C.	The evaporation from water surface
	D.	Process of water movement through a plant and its evaporation from aerial parts

5		Amoebic dysentery is caused by:
	A.	Virus
	B.	Bacteria
	C.	Protozoa
	D.	Fungi

6		Which of them is not Greenhouse efficiency key gas?
	A.	CH ₄
	B.	CO_2
	C.	N_2O
	D.	H_2S

7		Water quality Monitoring define as:
	A.	A finite duration, intensive program to measure and observe the quality of the aquatic
		environment for a specific purpose.
	B.	Continuous, specific measurement and observation for the purpose of water quality
		management and operational activities
	C.	Long-term, standardised measurement and observation of the aquatic environment in
		order to define status and trends

	D	Destruction of levels for studying astronal and seems and so reference as int for rellection
	D.	Background levels for studying natural processes; used as reference point for pollution
		and impact assessments
8		Which of them is equation of continuity of mass?
	A.	V = AQ
	B.	Q = AT
	C.	A = QV
	D.	Q = AV
^		
9		The major components of petroleum are:
	A.	Halogenated Aliphatics
	B.	Aliphatic compounds
	C.	Aromatic hydrocarbons
	D.	Alicyclic hydrocarbons
10		A community of organisms living in a particular environment named:
	A.	Biosphere
	B.	Community
	C.	Ecosystem
	D.	Biome
11		Particulate organic matter is defined as:
	A.	Sorbed organochlorine compounds, hydrocarbons, etc., controlled, for example, by
		hydrophilic/hydrophobic characteristics and liposolubility.
	В.	Adsorbed nutrient elements required for plant growth which actively exchange
		between sediment and water.
	C.	sorbed heavy metals, arsenic, etc., controlled by various processes, such as
		adsorption and desorption, uptake and recycling, and redox conditions.
	D.	Either dissolved organic substances adsorbed from solution onto mineral particles
12		The equation INFLOW + STORAGE AT START OF PERIOD - WATER USE -
	+-	OUTFLOW= STORAGE AT END OF PERIOD named:
	A.	Water quantity equation
	B.	Water budget equation
	C.	Water assessment equation
	D.	Water quality equation
13		In general, the water cycle consists of:
13	A.	Condensation and sediments.
	B.	Evaporation, condensation and sediments.
	C.	Evaporation and condensation.
	D.	Condensation and transpiration.
	<u> </u>	Concensation and transpiration.
14		Which of them is not Essential nutrient?
	A.	Carbon
	B.	Potassium
	C.	Oxygen
	D.	Nitrogen
15		Contaminants of particular concern in reservoirs with respect to human and
		<u> </u>

	I	T
		animal health are:
	A.	Dissolved oxygen
	B.	Synthetic organic compounds
	C.	Dissolved hydrogen
	D.	Salinisation
16		Water on Earth can exist in:
	A.	One basic state
	B.	The two basic states
	C.	Three basic states
	D.	Four basic states
17		Animal cells do not have:
	A.	Mitochondria
	В.	Nucleoli
	C.	Cell wall
	D.	Lysosomes
	•	
18		The Photocatalytic processes are in nature:
	A.	Electric
	В.	Magnetic
	C.	Electrochemical
	D.	Mechanic
	D.	Weename
19		Equation <i>Q=-KiA</i> named:
	A.	Darcy's Law
	B.	Bernoulli's Law
	C.	Manning's Law
	D.	D.Pascal's Law
	•	
20		The absorption of CO2 from the atmosphere under certain conditions causes:
	A.	Basalt dissolution
	B.	Silicate dissolution
	C.	Granite dissolution
	D.	Limestone dissolution
	<u> </u>	
21		The term Ecology means:
	A.	Study of the impact of humans in environment
	В.	Study of interaction of organisms
	C.	Study of surrounding nature
	D.	The relations of organisms to one another and to their physical surroundings
	. = •	The state of the s
22		The class of highly branched polymers called:
	A.	Polymers
	В.	Telomers
	C.	Haptomers
	D.	Dendrimers
	_Ι <i>υ</i> .	Deligitimeto
22		A nollution input that can be related to a single outlet define as:
23		A pollution input that can be related to a single outlet define as:

	A.	Non-point sources
	B.	Multy-point sources
	C.	Point sources
	D.	Diffuse-sources
24		Which of them is not the Physiographic data?
	A.	Topographical data
	B.	Geological data
	C.	Hydrogeological data
	D.	Geomorphological data
25		The site of cell respiration and ATP production in eukaryotic cells is:
	A.	Cell membrane
	B.	Mitochondria
	C.	Golgi apparatus
	D.	Endoplasmatic reticulum
26		Conversion of undesirable chemicals into less toxic ones that can be readily
		excreted by the body named:
	A.	Bioactivation
	B.	Detoxification
	C.	Potentiation
	D.	Additivitiation
		TTT 4 1 0 1 4 1 T 1 1 4 1 T 1 0
27		Which of them is not Hydrological data?
27	A.	Sediment
27	B.	
27	1	Sediment Evaporation Insurance
27	B.	Sediment Evaporation
27	B. C.	Sediment Evaporation Insurance
	B. C.	Sediment Evaporation Insurance Precipitation
28	B. C.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually
	B. C. D.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually invisible to the naked eye named:
	B. C. D.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually invisible to the naked eye named: Gravity
	B. C. D.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually invisible to the naked eye named: Gravity Viscosity
	B. C. D. A. B. C.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually invisible to the naked eye named: Gravity Viscosity Turbidity
	B. C. D.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually invisible to the naked eye named: Gravity Viscosity
	B. C. D. A. B. C.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually invisible to the naked eye named: Gravity Viscosity Turbidity
28	B. C. D. A. B. C.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually invisible to the naked eye named: Gravity Viscosity Turbidity Density
	B. C. D. A. B. C. D.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually invisible to the naked eye named: Gravity Viscosity Turbidity Density What is softened of water?
28	B. C. D. A. B. C. D. A.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually invisible to the naked eye named: Gravity Viscosity Turbidity Density What is softened of water? Remove of the odor
28	B. C. D. A. B. C. D. A. B. B.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually invisible to the naked eye named: Gravity Viscosity Turbidity Density What is softened of water? Remove of the odor Remove of the Rigidity (Ca, Mg) salts
28	B. C. D. A. B. C. A. B. C. C.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually invisible to the naked eye named: Gravity Viscosity Turbidity Density What is softened of water? Remove of the odor Remove of the Rigidity (Ca, Mg) salts Remove of the turbidity
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28	B. C. D. A. B. C. D. D.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually invisible to the naked eye named: Gravity Viscosity Turbidity Density What is softened of water? Remove of the odor Remove of the Rigidity (Ca, Mg) salts Remove of the turbidity Remove of the sulfur
28	B. C. D. A. B. C. D. A.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually invisible to the naked eye named: Gravity Viscosity Turbidity Density What is softened of water? Remove of the odor Remove of the Rigidity (Ca, Mg) salts Remove of the turbidity Remove of the sulfur Enzymes are: Catalysts that occur in all living organisms
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28	B. C. D. A. B. C. D. A. B. C. D.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually invisible to the naked eye named: Gravity Viscosity Turbidity Density What is softened of water? Remove of the Rigidity (Ca, Mg) salts Remove of the turbidity Remove of the sulfur Enzymes are: Catalysts that occur in all living organisms Pathogenic microorganizms Desease causing substances
28	B. C. D. A. B. C. D. A. B. C. D.	Sediment Evaporation Insurance Precipitation The cloudiness or haziness of a fluid caused by suspended solids that are usually invisible to the naked eye named: Gravity Viscosity Turbidity Density What is softened of water? Remove of the odor Remove of the Rigidity (Ca, Mg) salts Remove of the turbidity Remove of the sulfur Enzymes are: Catalysts that occur in all living organisms Pathogenic microorganizms

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31		An expression of the conservation of energy for any incompressible flowing fluid
		in terms of itspressure, velocity, density, acceleration, and vertical height called:
	A.	Darcy's Law
	B.	Bernoulli's Law
	C.	Manning's Law
	D.	Pascal's Law
32		The main source of microorganisms in surface water is:
	A.	Rainwater
	B.	Fertilizers
	C.	The soil
	D.	Pesticides
	•	
22	I	Churching formed incide heatenial cells and are released when cells are armosed
33		Structures formed inside bacterial cells and are released when cells are exposed to adverse environmental conditions called:
	Α	Spores
	A. B.	Oocytes
	С.	Flagellas
	D.	Spermatozoids
	ט.	Spermatozoids
34		The objective of PreliminaryTreatment of wastewater is:
	A.	To eliminate debris and grit
	B.	To settle particulate material
	C.	To remove colloidal and dissolved biodegradable organic material
	D.	To treate or dispose of sludge
35		The benefits derived from a unit volume of water used is called:
	A.	Equity
	B.	Geopolitical efficiency
	C.	Uncertainty
	D.	Economic efficiency
2.		
36		The weight of the water per its unit volume, which depends on the temperature of
36		, ,
36	A.	the water named:
36	A. B.	the water named: Gravity
36		the water named: Gravity Viscosity
36	B.	the water named: Gravity
36	B. C.	Gravity Viscosity Turbidity
	B. C.	the water named: Gravity Viscosity Turbidity Density
	B. C.	the water named: Gravity Viscosity Turbidity Density Clearing of forest cover exposes the soil to wind, rain and storms, thereby
	B. C. D.	the water named: Gravity Viscosity Turbidity Density Clearing of forest cover exposes the soil to wind, rain and storms, thereby resulting in loss of top fertile layer of soil called:
	B. C. D.	the water named: Gravity Viscosity Turbidity Density Clearing of forest cover exposes the soil to wind, rain and storms, thereby resulting in loss of top fertile layer of soil called: Soil erosion
	B. C. D. A. B.	the water named: Gravity Viscosity Turbidity Density Clearing of forest cover exposes the soil to wind, rain and storms, thereby resulting in loss of top fertile layer of soil called: Soil erosion Depletion of nutrients
	B. C. D. A. B. C.	the water named: Gravity Viscosity Turbidity Density Clearing of forest cover exposes the soil to wind, rain and storms, thereby resulting in loss of top fertile layer of soil called: Soil erosion Depletion of nutrients Deforestation
	B. C. D. A. B.	the water named: Gravity Viscosity Turbidity Density Clearing of forest cover exposes the soil to wind, rain and storms, thereby resulting in loss of top fertile layer of soil called: Soil erosion Depletion of nutrients
37	B. C. D. A. B. C.	the water named: Gravity Viscosity Turbidity Density Clearing of forest cover exposes the soil to wind, rain and storms, thereby resulting in loss of top fertile layer of soil called: Soil erosion Depletion of nutrients Deforestation High Yielding
37	B. C. D. A. B. C. D.	the water named: Gravity Viscosity Turbidity Density Clearing of forest cover exposes the soil to wind, rain and storms, thereby resulting in loss of top fertile layer of soil called: Soil erosion Depletion of nutrients Deforestation High Yielding The thin layer of gases that cover Earth's surface named:
37	B. C. D. A. B. C. D. A.	the water named: Gravity Viscosity Turbidity Density Clearing of forest cover exposes the soil to wind, rain and storms, thereby resulting in loss of top fertile layer of soil called: Soil erosion Depletion of nutrients Deforestation High Yielding The thin layer of gases that cover Earth's surface named: Hydrosphere
37	B. C. D. A. B. C. D.	the water named: Gravity Viscosity Turbidity Density Clearing of forest cover exposes the soil to wind, rain and storms, thereby resulting in loss of top fertile layer of soil called: Soil erosion Depletion of nutrients Deforestation High Yielding The thin layer of gases that cover Earth's surface named:

	D.	Biosphere
39		Water Resources Assessment defined as:
37	A.	Determination of the quantity of water resources
	В.	Management of quality of water resources
	C.	Determination of the sources, extent, dependability and quality of water resources for
	<u> </u>	their utilization and control
	D.	Management of water shed water resources
	Ъ.	Determination of the quantity of water resources
		Determination of the quantity of water resources
40		According to the total content in natural waters in the first place are put:
	A.	Phosphate ions
	B.	Chloride ions
	C.	Sulphate ions
	D.	Nitrogenous ions
		T
41	<u> </u>	The circular DNA molecules in eukaryotes called:
	A.	Nucleotides
	B.	Chromosomes
	C.	Plasmids
	D.	Nucleoplasm
42		Chemicals with surface activity that are used for household and industrial cleaning,
42		
	٨	and personal care products named: Pesticides
	A.	
	B.	Surfactants
	C.	Herbicides
	D.	Fungicides
43		A measure of the resistance of a fluid which is being deformed by either shear stress or
		tensile stress is called:
	A.	Gravity
	B.	Viscosity
	C.	Turbidity
	D.	Density
44		A pressure change at any point in a confined incompressible fluid is transmitted
		throughout the fluid such that the same change occurs everywhere is:
	A.	Darcy's Law
	B.	Bernoulli's Law
	C.	Manning's Law
	D.	Pascal's Law
	1	
45	<u> </u>	The major part of available fresh water is locked up into:
	A.	Glaciers and Ice
	B.	Groundwater
	C.	Lakes
	D.	Rivers
46		The raw sawage contains about.
40		The raw sewage contains about:

	T
A.	1part of waste in 10 parts of water
В.	1part of waste in 100 parts of water
C.	1part of waste in 1000 parts of water
D.	1part of waste in 10 000 parts of water
47	Photosynthesis is the manufacture in green plant leaves of:
A.	Proteins
B.	Carbohydrates
C.	Lipids
D.	Hydrocarbons
48	All the waters on the earth's surface, such as lakes and seas, and sometimes
	including water over the earth's surface, such as clouds named:
A.	Hydrosphere
B.	1
C.	Atmosphere
D.	Biosphere
49	Stickslike bacterias are called:
A.	Vibrios
В.	Bacilli
C.	Cocci
D.	Spirilles
50	The surface potential in colloids called:
A.	Alpha potential
B.	Beta potential
C.	Gamma potential
D.	Zeta potential
51	During aerobic sewage treatment, the microorganisms need:
A.	Carbon environment
B.	Nitrogen environment
C.	Phosphorus environment
D.	Oxygen environment
•	
52	The main component of the protein molecule are:
A.	Nucleic acids
B.	Amino Acids
C.	Shugars
D.	Fats
53	Cholera is caused by:
A.	Virus
В.	Bacteria
C.	Protozoa
D.	Fungi
54	Which of them is biodegradable polymer?
J+	TYTHER OF THEM IS DIVUESTAUABLE POLYMET:

	A.	Polyethylene glycol
	B.	Cellulose acetate
	C.	
	D.	Polystyrene Teflon
	υ.	Tellon
55		The rigid outer part of the earth, consisting of the crust and upper mantle named:
	A.	Atmosphere
	B.	lithosphere
	C.	Hydrosphere
	D.	Biosphere
	ı	•
	I	
56		Of the metal ions in natural waters, the largest quantities are ions:
	A.	Calcium
	B.	Magnesium
	C.	Sodium
	D.	Aluminum
57		What substance is excreted from methantank during digestion?
51	A.	Oxygen
	B.	Hydrogen sulphide
	C.	Methane
	D.	Nitrogen
	D.	Nuogen
58		Cooling and solidification of molten magma or lava give rise to:
	A.	Metamorphic Rocks
	B.	Igneous Rocks
	C.	Sedimentary Rocks
	D.	Mezomorphic Rocks
50	I	
59		To neutralize alkaline water most often used:
	A.	Technical ammonia water
	B.	Hydrated lime
	C.	Sodium hydroxide
	D.	Technical Sulfuric Acid
	l	
60	_	All bacteria that cause plant and animal diseases are:
	A.	Symbionts
	B.	Parasites
	C.	Xenobionts
	D.	Metabionts
<u></u>		N# 4 41 1 041 4 441 4 4 4 1 1 1 1 1 4 0 0 4
61		Meeting the needs of the present without compromising the ability of future
<u> </u>	٨	generations to meet their own needs defined as:
	A.	Environmental impact statement
-	B.	Impact prediction
-	C.	Mitigation Sustainable development
<u> </u>	D.	Sustainable development
62		Which of microorganism causesTyphoid Fever?
52	l	TIMES OF HISTORY CHARLEST PHOTE I CTOI .

	A.	Escherichia coli
	В.	Giardia intestinales
	C.	Entamoeba histolytica
	D.	
	υ.	Salmonella typhi
63		The complex multistage process of abnormal cell growth and differentiation that
		can lead to cancer called:
	A.	Carcinogenicity
	В.	Developmental toxicity
	C.	Genotoxicity
	D.	Biotoxity
	υ.	Diotoxity
64		The settling method is used to remove:
	A.	Fats
	B.	Oils
	C.	Suspended substances
	D.	Oil products
	υ.	On products
65		All algae contains:
	A.	Chlorophyll
	В.	Chrizophyll
	C.	Neutrophil
	D.	Basophil
	ν.	Dusophii
66		Physical disturbance of bed sediment and release of interstitial waters,
		including possible desorption of some contaminants to the water column
		called:
	A.	Salinization
	B.	Bioturbation
	C.	Dioturbation
	D.	Evaporation
ļ	D.	
	D.	Evaporation Resuspension
67		Evaporation Resuspension What taste does not water have?
67	A.	Evaporation Resuspension What taste does not water have? Salty
67		Evaporation Resuspension What taste does not water have?
67	A.	Evaporation Resuspension What taste does not water have? Salty
67	A. B.	Evaporation Resuspension What taste does not water have? Salty Sweet
67	A. B. C.	Evaporation Resuspension What taste does not water have? Salty Sweet Bitter
	A. B. C.	Evaporation Resuspension What taste does not water have? Salty Sweet Bitter Hot
67	A. B. C.	Evaporation Resuspension What taste does not water have? Salty Sweet Bitter Hot The global ecological system integrating all living beings and their relationships
	A. B. C. D.	Evaporation Resuspension What taste does not water have? Salty Sweet Bitter Hot The global ecological system integrating all living beings and their relationships named:
	A. B. C. D.	Evaporation Resuspension What taste does not water have? Salty Sweet Bitter Hot The global ecological system integrating all living beings and their relationships named: Atmosphere
	A. B. C. D. A. B.	Evaporation Resuspension What taste does not water have? Salty Sweet Bitter Hot The global ecological system integrating all living beings and their relationships named: Atmosphere lithosphere
	A. B. C. D. A. B. C.	Evaporation Resuspension What taste does not water have? Salty Sweet Bitter Hot The global ecological system integrating all living beings and their relationships named: Atmosphere lithosphere Hydrosphere
	A. B. C. D. A. B.	Evaporation Resuspension What taste does not water have? Salty Sweet Bitter Hot The global ecological system integrating all living beings and their relationships named: Atmosphere lithosphere
	A. B. C. D. A. B. C.	Evaporation Resuspension What taste does not water have? Salty Sweet Bitter Hot The global ecological system integrating all living beings and their relationships named: Atmosphere lithosphere Hydrosphere
68	A. B. C. D. A. B. C.	Evaporation Resuspension What taste does not water have? Salty Sweet Bitter Hot The global ecological system integrating all living beings and their relationships named: Atmosphere lithosphere Hydrosphere Biosphere
	A. B. C. D. A. B. C.	Evaporation Resuspension What taste does not water have? Salty Sweet Bitter Hot The global ecological system integrating all living beings and their relationships named: Atmosphere lithosphere Hydrosphere Biosphere A submicroscopic agent of infectious disease that requires a living cell for its
68	A. B. C. D. D.	Evaporation Resuspension What taste does not water have? Salty Sweet Bitter Hot The global ecological system integrating all living beings and their relationships named: Atmosphere lithosphere Hydrosphere Biosphere A submicroscopic agent of infectious disease that requires a living cell for its multiplication is:
68	A. B. C. D. A. A. A. A.	Evaporation Resuspension What taste does not water have? Salty Sweet Bitter Hot The global ecological system integrating all living beings and their relationships named: Atmosphere lithosphere Hydrosphere Biosphere A submicroscopic agent of infectious disease that requires a living cell for its multiplication is: Virus
68	A. B. C. D. D.	Evaporation Resuspension What taste does not water have? Salty Sweet Bitter Hot The global ecological system integrating all living beings and their relationships named: Atmosphere lithosphere Hydrosphere Biosphere A submicroscopic agent of infectious disease that requires a living cell for its multiplication is:

	D.	Crustacea
70		G 111 1 00
70	.	Surveillance define as:
	A.	A finite duration, intensive program to measure and observe the quality of the aquatic
		environment for a specific purpose.
	B.	Continuous, specific measurement and observation for the purpose of water quality
		management and operational activities
	C.	Long-term, standardised measurement and observation of the aquatic environment in
	ъ	order to define status and trends
	D.	Background levels for studying natural processes; used as reference point for pollution
		and impact assessments
71		The most intense destruction of concrete is in conditions of:
	A.	High water pH
	B.	Ultrahigh water pH
	C.	Low water pH
	D.	Neutral pH values of water
	ı	
	1	
72		Conversion the small colloidal particles into larger particles called:
	Α.	Sediments
	B.	Coagulants
	C.	Flocs
	D.	Precipitates
73		Cavitation is:
13	A.	The velocity head at the discharge of a pumping system
	В.	A state of flow where the pressure in the liquid becomes equal to its vapor pressure
	C.	Value of the efficiency that corresponds to the best operating performance of the
	С.	pump.
		panip.
	D	A head loss due to loss of internal energy
	D.	A head loss due to loss of internal energy
	D.	
74	D.	The oligotrophic reservoirs are:
74	A.	The oligotrophic reservoirs are: Nutrient rich
74	A. B.	The oligotrophic reservoirs are: Nutrient rich Have not nutriens
74	A. B. C.	The oligotrophic reservoirs are: Nutrient rich Have not nutriens Nutrient poor
74	A. B.	The oligotrophic reservoirs are: Nutrient rich Have not nutriens
74	A. B. C.	The oligotrophic reservoirs are: Nutrient rich Have not nutriens Nutrient poor
	A. B. C.	The oligotrophic reservoirs are: Nutrient rich Have not nutriens Nutrient poor Polluted with sewage
74	A. B. C. D.	The oligotrophic reservoirs are: Nutrient rich Have not nutriens Nutrient poor Polluted with sewage The composition of industrial wastewater depends on:
	A. B. C. D.	The oligotrophic reservoirs are: Nutrient rich Have not nutriens Nutrient poor Polluted with sewage The composition of industrial wastewater depends on: Geological conditions
	A. B. C. D. A. B.	The oligotrophic reservoirs are: Nutrient rich Have not nutriens Nutrient poor Polluted with sewage The composition of industrial wastewater depends on: Geological conditions Nature of production processes
	A. B. C. D. A. B. C.	The oligotrophic reservoirs are: Nutrient rich Have not nutriens Nutrient poor Polluted with sewage The composition of industrial wastewater depends on: Geological conditions Nature of production processes Climatic conditions
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75	A. B. C. D. A. B. C. D.	The oligotrophic reservoirs are: Nutrient rich Have not nutriens Nutrient poor Polluted with sewage The composition of industrial wastewater depends on: Geological conditions Nature of production processes Climatic conditions Production locations The process of purification of water by absorption called: Filtration
75	A. B. C. D. A. B. C. D.	The oligotrophic reservoirs are: Nutrient rich Have not nutriens Nutrient poor Polluted with sewage The composition of industrial wastewater depends on: Geological conditions Nature of production processes Climatic conditions Production locations The process of purification of water by absorption called: Filtration Transpiration

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77	A	A unit operation in which solids are drawn toward a source of attraction is:
	A. B.	Flotation Screening
	С.	č
	D.	Retenting Settling
	υ.	Setting
		,
78		The ability of organic compounds to bind metal ions and maintain them in
		solution named:
	A.	Donation
	B.	Respiration
	C.	Chelation
	D.	Resorbtion
79		The microorganisms which extract energy from organic or inorganic oxidation/reduction reactions called:
	٨	Heterotrophic organisms
	A. B.	Autotrophic organisms
	С.	Chemotrophic organisms
	D.	Lithotrophic organisms
	υ.	Littlottophic organisms
0.0	1	
80		Which form of nitrogen is not exist in water?
	A.	Ammonia
	B.	Azides
	C.	Nitrite
	D.	Nitrate
81		Which of them is not physical characterisation of water?
	A.	Turbidity
	B.	Color
	C.	Alkalinity
	D.	Temperature
82		Measurement of chlorophyll pigments called:
	A.	Chlorophyll absorbtion
	B.	Chlorophyll chelation
	C.	Chlorophyll oxidation
	D.	Chlorophyll fluorescence
83		The spent water after homes, commercial establishments, industries, Public
		institutions, and similar entities defined as:
	A.	Clearwater
	В.	Blackwater
	C.	Wastewater
	D.	Bluewater
84		Low salt water is called:
<u> </u>	A.	Cristalline
	В.	Soft
	C.	Tough

	ъ	W 11
	D.	Muddy
85		Adsorbent is:
0.5	A.	The solute adsorbed onto the surface of a solid
	В.	Carbon with enhanced adsorption characteristic
	C.	The solid that adsorbs the adsorbate
	D.	Carbon with decreasing adsorption characteristic
	Σ.	Caroon with accreasing adsorption characteristic
86		Increased mineral salts in rivers defined as:
	Α.	Eutrophication
	B.	Salinisation
	C.	Acidification
	D.	Sedimentation
87		The gently stirring the water to cause more small particles to bump into each
0,		other and stick together, forming larger particles called:
	Α.	Flocculation
	В.	Absorption
	C.	Sedimentation
	D.	Adsorption
	υ.	Adsorption
88		The microorganisms which rely only on light for energy are called:
	A.	Heterotrophic organisms
	B.	Autotrophic organisms
	C.	Phototrophic organisms
	D.	Lithotrophic organisms
	•	
89		Secondary treatment is:
	A.	Treatment is brought about by physical processes such as screening and sedimentation
	B.	Removing debris and coarse materials that may clog equipment in the plant
	C.	Biological and chemical unit processes are used to treat wastewater.
	D.	Unit operations and chemical unit processes are used to further remove BOD,
		nutrients, pathogens, and parasites
90		Lakes occurring in cavities created by percolating water in water-soluble
		rocks named:
	A.	Tectonic lakes
	В.	Shoreline lakes
	C.	Dammed lakes
	D.	Solution lakes
0.1		
91		The branch of science that deals with the composition, structure, and properties
		of substances and the transformation that they undergo defined as:
	A.	Geology
	B.	Physics
	C.	Biology
	D.	Chemistry

92		The formula H ₂ O ₂ corresponds to:
	A.	Heavy water
	B.	Light water
	C.	Tritium-deuterium water
	D.	Super heavy water
	1	Soper nearly major
93		Acidity is:
	A.	The ability of a substance to neutralize a base
	B.	The ability of a substance to act both as an acid and as a base
	C.	The ability of a substance to neutralize an acid.
	D.	The ability of a substance to neutralize alcohol
94		Physical disturbance of bed sediment and release of interstitial waters, including possible desorption of some contaminants to the water column named:
	A.	Hydroturbation
	B.	Geoturbation
	C.	Bioturbation
	D.	Resuspension
95		Bacteria that grow best at temperatures between 25°C and 40°Care called:
	A.	Hyperthermophiles
	B.	Psychrophiles.
	C.	Thermophiles
	D.	Mesophylls
	ı	
96		
	A.	
	B.	
	C.	
	D.	
	ı	
97		The process of purification of water by evaporation and condensation called:
	A.	Filtration
	B.	Transpiration
	C.	Distillation
	D.	Adsorption
98		Porosity and specific yield of geological materials porous to store water and permeable enough to transmit water in quantities that can be economically exploited is called:
	A.	Aquifer
	B.	Limestone
	C.	L ayer of rock
	D.	Sandstone
	1	
99		Which of them is not Hydrological data?
	A.	Precipitation
	B.	Evaporation

C.	Air pollution]
D.	Water quality	

100		Pollution resulting from many diffuse sources called
	A.	Multy-point sources
	B.	Point sources
	C.	Diffuse-sources
	D.	Non-point sources

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