

Heartiest Congratulations To All Selected Candidates From EverExam



60+ Selection In Civil SSC JE 2018

TELEGRAM CHANNEL EVEREXAM TECH DOWNLOAD EVEREXAM APP 🔤 🕨 📆

Many More

EVEREXAM INDIA'S BEST PLATFORM FOR CIVIL ENGINEERING





STELLENA IS 2020 STARTING SVALIDITY • LIVE **ONLINE CLASSES 13 APRIL 5 MONTHS** FEE @ 2999/-FREE TEST SERIES











RAJASTHAN JE

QUESTIONS PRACTICE BATCH

Starting 20 April 2021
Duration 100 Hours
Validity 4 Months
Fee @ 399/-

8595517959

RAJASTHAN JE

THEORY CLASSES

Recorded Class
Duration 250 Hours
Validity 4 Months
Fee @ 1498/-

ANY QUERIES JUST CALL NOW





Daily Class – 8:00 PM

Q :) Which of the following statements about design period are true?

- 1. It is concerned with economy of investments.
- 2. It takes into account aspects like life and durability and ease or difficulty of capacity increase of installations.
- 3. It considers the frequency of occurrence of extremes of river flow.
- 4. It is concerned with estimating future requirements.

Select the correct answer using the codes given below:

A: 1, 2, 3 and 4	B: 2 and 3
C: 1, 2 and 4	D: 1, 3 and 4



Daily Class – 8:00 PM

Q:) Consider the following statements: The daily per capita consumption of water apparently increases with

- 1. Higher standard of living of people
- 2. Availability of sewerage in the city.
- 3. Metered water supply.
- 4. Wholesome and potable quality of water.

Which of these statements are correct?

- A: 1, 2 and 3 B: 2, 3 and 4
- C: 1, 3 and 4 D: 1, 2 and 4



Daily Class – 8:00 PM

Q :) Match List-I (Industry and unit of production) with List-II (water need in kJ/unit/day) and select the correct answer:

List-I	List-II
A. Automobile (per vehicle)	1. 1 to 2
B. Leather (per 100 kg)	2.4
C. Paper (per tonne)	3.40
D. Crude petroleum refinery (per tonne)	4. 50-100
	5. 200-400

Codes:

A: 3, 2, 5, 1B: 1, 3, 5, 4C: 3, 2, 4, 5D: 5, 4, 2, 1



Daily Class – 8:00 PM

- Q:) On which of the following factors, does the population growth in a town normally depend?
- 1. Birth and death rates
- 2. Migrations
- 3. Probabilistic growth
- 4. Logistic growth

Select the correct answer using the

codes given below:

- A: 1 and 4 B: 1 and 2
- C: 1, 2 and 3 D: 2 and 3



Daily Class – 8:00 PM

Q :) Population levels over 5 decades

of a small town are given below:

Year	Population
1960	2,50,000
1970	2,80,000
1980	3,40,000
1990	4,20,000
2000	4,90,000

The population of the town in theyear 2020 estimated by arithmeticincrease method will beA: 5,10,000B: 5,90,000C: 6,10,000D: 6,90,000



Daily Class – 8:00 PM

Q:) In a uniform semi-infinite aquifer, the dependable discharge of a long circular open well is increased most easily by A: Increasing the dimeter B: Making it into one with a square kerb **C: Deepening the well D: Providing coarser screening** filter



Daily Class – 8:00 PM

Q:) In which one of the following industries, the water requirement in kilo litres per unit of production is very high? A: Paper industry **B: Steel industry C:** Sugar industry

D: Fertilizer industry





Q:) Electrical conductivity (EC) of water and total dissolved (TDC) are interrelated. The value of EC will A: Decrease with increase in TDS **B:** Increase with increase in TDS C: Decrease initially and then increase with increase in TDS **D:** Increase initially and then decrease with increase in TDS

Daily Class – 8:00 PM



Daily Class – 8:00 PM

- Q:) Which one of the following would contain water with the maximum amount of turbidity? A: Lakes
- **B: Oceans**
- **C:** Rivers
- **D: Wells**



ENVIRONMENTAL / PPSC SDO SPECIAL

For Any Query Call – 8595517959 | Website – everexam.org

Daily Class – 8:00 PM

Q:) Match List-I (Parameters) with

List-II (permissible concentration in

drinking water) and select the

correct answer:

List-I	List-II	
A. Hardness	1. 0.1 mg/l	
B. Nitrate concentration	2. 0.5 mg/l	
C. Iron concentration	3. 200 mg/l	
D. Fluoride concentration	4. 45 mg/l	
Codes:		
A: 3, 4, 2, 1	B: 3, 4, 1, 2	
C: 4, 3, 2, 1	D: 4, 3, 1, 2	



Daily Class – 8:00 PM

Q :) Which of the following statements are correct?

- 1. Groundwater is generally free from suspended and dissolved impurities
- 2. Suspended matters often contain pathogenic bacteria
- 3. Rain water is soft and tasteless
- 4. Lake water may contain microscopic organisms.

Select the correct answer using the codes given below:

A: 1, 2, 3 and 4 C: 2, 3 and 4 B: 1 and 2 D: 1, 3 and 4



Daily Class – 8:00 PM

Q :) Match List-I (water quality) with List-II (method if determination) and select the correct answer:

List-l	List-II
A. Hardness	1. Winkler's method
B. Chlorine	2. EDTA method
C. D.O.	3. Orthotodoline test
D. Chloride	4. Mohr method
Codes:	
A: 2, 3, 1, 4	B: 2, 4, 1, 3

C: 1, 3, 2, 4 D: 1, 4, 2, 3



Daily Class – 8:00 PM

Q:) Match List-I (water/waste water parameter) with List-II (Test) and select the correct answer using the codes:

List-I	List-II
A. Potability of	1. Mohr's method
water	2. Orthololidine
B. Chloride	method
C. Residual chlorine	3. EDTA method
D.Hardness of water	4. MF technique

Codes:

A: 4, 3, 2, 1 C: 2, 3, 4, 1 B: 2, 1, 4, 3 D: 4, 1, 2, 3



Daily Class – 8:00 PM

Q:) Which of the following cations impart(s) Pseudo hardness to water? A: Calcium only **B: Magnesium only C: Calcium and magnesium D: Sodium**



Daily Class – 8:00 PM

Q:) The concentration of hardness producing cations may be estimated using which one of the following? A: Conductivity meter **B: pH meter C:** Spectrophotometer **D:** Flame photometer



Daily Class – 8:00 PM

Q:) A 12.5 ml sample of treated wastewater requires 187.5 ml of odour-free distilled water to reduce the odour to a level that is just perceptible. What is the threshold odour number (TON) for the wastewater sample? A: 0.07 **B: 1.07 C: 15 D: 16**



ENVIRONMENTAL / PPSC SDO SPECIAL

For Any Query Call – 8595517959 | Website – everexam.org

Daily Class – 8:00 PM

List-l	List-II
A. Turbidity	1. TON
B: Pathogen	2. TCN
C: Odour	3. JTU
D: Colour	4. MPN

Q:) Match List-I (parameter) with List-II (Units) and select the correct answer using the codes given below the lists: Codes: B: 3, 1, 4, 2 A: 2, 1, 4, 3 C: 2, 4, 1, 3 D: 3, 4, 1, 2



Daily Class – 8:00 PM

Q:) The most common constituents of alkalinity in natural water are measured by titrating the water sample with $0.02N H_2SO_4$ using A: Eriochrome black T and ferroin indicators **B:** Ferroin and Phenolphthalein indicators **C:** Phenolphthalein and methyl orange indicators **D: Methyl orange and Eriochrome black T** indicators



Daily Class – 8:00 PM

Q :) One nephelometry turbidity unit (NTU) is equal to the turbidity produced by A: $1mg SiO_2$ dissolved in 1l of distilled water with the test being run according to absorption principle

B: 1 mg SiO₂ dissolved in 1l of distilled water with the test being run according to scattering principle

C: 1 mg formazin dissolved in 1l of distilled water with the test being run according to absorption principle

D: 1 mg Formazin dissolved in 1l of distilled water with the test being run according to scattering principle



Daily Class – 8:00 PM

Q:) Which one of the following compounds of nitrogen, when in excessive amounts in water, contributes to the illness known as infant methemoglobinemia? A: Ammoniacal nitrogen **B: Albuminoid nitrogen C:** Nitrite **D:** Nitrate



For Any Query Call – 8595517959 | Website – everexam.org Daily Class – 8:00 PM **Q**:) The following residual chlorine compounds are formed during chlorination of water: 1: NH₂Cl 2: NHCl₂ C: HOCI 4: Ocl⁻ The correct sequence of formation of these residual chlorine compounds is A: 2, 1, 3, 4 B: 1, 2, 4, 3 C: 1, 2, 3, 4, D: 2, 1, 4, 3



ENVIRONMENTAL / PPSC SDO SPECIAL

For Any Query Call – 8595517959 | Website – everexam.org

Daily Class – 8:00 PM

List-l	List-II
A. Surface water (river or canal)	1. Aeration, coagulation sedimentation and disinfection
B. Water from infiltration gallery	2. Disinfection
C. Lake/pond water	3. CuSo ₄ treatment, coagulation, sedimentation, filtration and disinfection
D. Tube well water	4. Coagulation, flocculation, sedimentation, filtration and disinfection

Q:) Match List-I (Type of water source) with List-II (treatment to be given) and select the correct answer using the codes given below lists: **Codes:** B: 1, 4, 3, 2 A: 4, 1, 3, 2 C: 1, 4, 2, 3 D: 4, 1, 2, 3



ENVIRONMENTAL / PPSC SDO SPECIAL

For Any Query Call – 8595517959 | Website – everexam.org

Daily Class – 8:00 PM



Q:) The flow chart of a water treatment plant is shown in the following figure. If it is proposed to defluoridate the water using 'Nalgonda treatment' then it should be done A: After adjusting the dose of lime and alum

B: After sedimentation

- **C: After filtration**
- **D: Before aeration**



- Q :) The cleaning of slow sand filter is done by
- A: Reversing the direction of flow of water
- **B:** Passing air through the filter
- C: Passing a solution of alum
- and lime through the filter
- D: Scraping off top layers of sand and admitting water



Daily Class – 8:00 PM

Q:) Match List-I (name of impurity in water) with list-II (removed by) and select the correct answer using the codes given below the lists:

List-l	List-II
A. Fluorides	1. Activated carbon
B. Manganese	2. Activated alumina
C. Taste and odour	3. Manganese zeolite
Codes:	
A: 1, 2, 3	B: 2, 3, 1
C: 2, 1, 3	D: 3, 2, 1



Daily Class – 8:00 PM

Q:) A river is the source of water for water supply to a town. Its water is very turbid and polluted. The correct sequence of steps for treating the river water would be A: Presedimentation \rightarrow Prechlorination \rightarrow Coagulation \rightarrow Sedimentation \rightarrow Filtration \rightarrow **Post-chlorination B:** Coagulation \rightarrow Sedimentation \rightarrow Post-

chlorination

C: Coagulation \rightarrow Filtration \rightarrow Sedimentation

 \rightarrow Post-chlorination

D: Sedimentation \rightarrow **Post-chlorination**



- Q :) Zero hardness of water is achieved by
- A: Using lime soda process
- **B: Excess lime treatment**
- **C: Lon exchange method**
- **D: Using excess alum dosage**

Heartiest *Congratulations* To All Selected Candidates From EverExam ALL STATE JE // AE RESULT







Manoi **RRB JE BHOPAL**



-Amerndra **RRB JE KOLKATA**

Deenak **RRB JE ALLAHABAD**









Praveen **RRB JE CHENNAI**









DOWNLOAD EVEREXAM APP