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Physical Characteristics of Wastewater

Wastewater Engineering



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Fresh sewage has _____ colour and with the passage of time, it gets _____



- (A) grey, lighter
- (B) grey, darker
- (C) black, lighter
- (D) brown, lighter

ANSWER: (B) grey, darker

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Normal fresh sewage has _____ odour which is non offensive

- (A) Soapy
- (B) Fishy
- (C) Musty
- (D) None of the above



ANSWER: (C) Musty

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Presence of hydrogen sulphide in wastewater gives it _____ odour

- (A) Fishy
- (B) Rotten flesh
- (C) Rotten egg
- (D) Pungent



ANSWER: (C) Rotten egg

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As compared to water supply, wastewater temperature is

- (A) Higher
- (B) Lower
- (C) Equal
- (D) Can not be said



ANSWER: (A) Higher

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With increase in the temperature of wastewater

- (A) DO depletes and bacteriological activity increase
- (B) DO increase and bacteriological activity decrease
- (C) DO remains constant and bacteriological activity decrease
- (D) DO remains constant and bacteriological activity increase

ANSWER: (A) DO depletes and bacteriological activity increase

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Turbidity of wastewater can be directly measured (without dilution) by

- (A) Jackson's turbidimeter
- (B) Turbidity rod
- (C) Nephelometer
- (D) Only (A) and (B)

ANSWER: (D) Only (A) and (B)

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Sewage contains ____% water and ____% solids

(A) 99, 1

(B) 90, 10

(C) 99.9, 0.1

(D) 95, 5



ANSWER: (C) 99.9, 0.1

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Total solids in wastewater consists of

- (A) Suspended solids and dissolved solids
- (B) Suspended solids and colloidal solids
- (C) Colloidal solids and dissolved solids
- (D) Suspended, dissolved and dissolved solids

ANSWER: (D) Suspended, dissolved and dissolved solids

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Imhoff cone can determine

- (A) Total solids in wastewater
- (B) Colloidal solids
- (C) Settleable suspended solids
- (D) All of the above

ANSWER: (C) Settleable suspended solids

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