

Comminutors and barminutors are used to

- 
- (A) Remove grit, sand from wastewater
 - (B) Screen out the large matter from wastewater
 - (C) Cut large matter from wastewater to allow it to flow along with the wastewater
 - (D) Prevent excess loading on grit chamber when the flow exceeds 50 MLD

ANSWER: (C) Cut large matter from wastewater to allow it to flow along with the wastewater

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In grit chamber, particles settle out in the following way

- (A) Zone settling
- (B) Flocculent settling
- (C) Compression settling
- (D) Discrete settling



ANSWER: (D) Discrete settling

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Generally, detention period of grit chamber is kept about

- (A) 60 seconds
- (B) 120 seconds
- (C) 20 seconds
- (D) 10 seconds



ANSWER: (A) 60 seconds

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Velocity control section used in a girt chamber may be

- (A) Parshall flume
- (B) Proportional flow weir
- (C) Sutro weir
- (D) Any of the above



ANSWER: (D) Any of the above

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As compared to grit chamber, a detritus tank has

- (A) More detention time
- (B) Less detention time
- (C) Equal detention time
- (D) None of the above



ANSWER: (A) More detention time

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A detritus tank can remove

- (A) Grit and finer particles
- (B) Organic matter
- (C) Silt, egg shells, sand
- (D) All of the above



ANSWER: (D) All of the above

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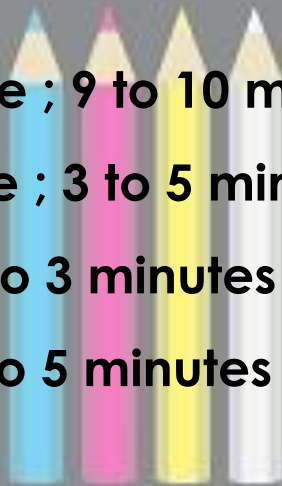
Skimming tanks are used to remove _____ and has detention time as _____

(A) Fats, oils and grease ; 9 to 10 minutes

(B) Fats, oils and grease ; 3 to 5 minutes

(C) Floating matter ; 2 to 3 minutes

(D) Floating matter ; 3 to 5 minutes



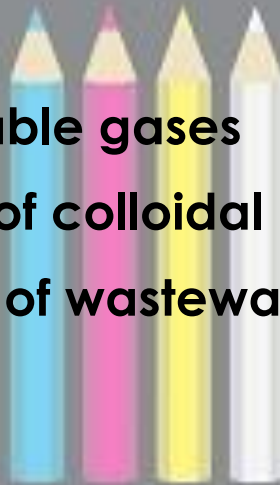
ANSWER: (B) Fats, oils and grease ; 3 to 5 minutes

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In skimming tanks, aeration is done in order to

- (A) Remove objectionable gases
- (B) Cause flocculation of colloidal matter
- (C) Skim oils to surface of wastewater
- (D) All of the above



ANSWER: (D) All of the above

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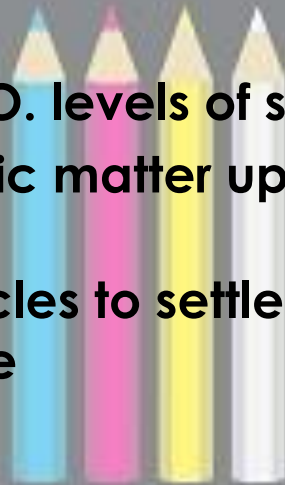
About aerated grit chamber, which of the following statement is correct

(A) It helps boosting D.O. levels of sewage

(B) It carries light organic matter upwards and allows grit to settle

(C) It helps all the particles to settle down quickly thus reducing detention time

(D) All of the above



ANSWER: (B) It carries light organic matter upwards and allows grit to settle

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