

B.Sc. (part III) (semester-V)

POLLUTION

Monitoring and Recycling of Pollution (Paper –VII) (CBCS)

Q.1 Select correct answer from the given alternatives & rewrite the sentence

i) Floccules are associated withmethod for wastewater treatment.

- a) Oxidation pond
- b) Activated sludge
- c) Trickling filter
- d) ion-exchange

ii) Drumdrying of SCP is done with-----

- a) Scenedesmus
- b) Spirulina
- c) Coelastrum
- d) None of these

iii) SAR stands for.....

- a) Sodium absorption ratio
- b) Silicon absorption ratio
- c) Sulphur absorption ratio
- d) Cyanide absorption ration

iv) Septic tank method for sewage treatment is -----

- a) Aerobic Treatment
- b) Facultative treatment
- C) Anaerobic treatment.

d) Only biological treatment

v) After fermentation the raw sprit is cleaned by_____

- a) Spiry Source
- b) Distillation
- c) Purification
- d) Fermentation

vi) Sludge volume index is calculated for laboratory of ...

- a) Activated sludge
- b) Trickling filter
- c) Aerobic pond
- d) None of the above

vii) Bucket method is used for.....

- a) Flow measurement
- b) Air pollution
- c) Stack monitoring
- d) None of these

viii) Green belts are used for control of

- a) Biological
- b) Physical
- c) Chemical
- d) Physiological

i) Following is associated with trickling filter method.....

- a) Floccles
- b) Bacterial growth
- c) Algal growth
- d) None of above

ii) The SCP production from the is commonly used for human consumption.

- a) Virus
- b) *Spirulina*
- c) Molds
- d) Yeast

iii) Surface float method is used for.....

- a) Settling rate
- b) Water sampling
- c) Flow measurement
- d) None of these

iv) The secondary treatment of sewage is known as.....

- a) Activated sludge b) Trickling filter c) Septic tank d) water filter

v) Green belts are used for control of

- a) Biological b) Physical c) Chemical
d) Physiological

vi) EIA is conducted for

- a) Sound pollution b) ETP
c) Air pollution d) Industrial project

vii) In thermal power plant, electrostatic precipitator

- a) SO₂ b) Particulates c) NO₂ d) H₂S
measurement

viii) Dairy industries release..... as a waste in high amount.

- a) Fat b) Oil c) Molasses d) Chemicals

Q.2 Attempt ANY TWO of the following.

- ❖ Give the details about the low cost treatment of aquatic plants
- ❖ Explain in detail about biological treatment of sewage.
- ❖ Give an account of the concept and process of Environmental Audit.
- ❖ Explain in detail the water sampling methods .
- ❖ Discuss in detail on environmental audit.
- ❖ Explain in detail mass culture of *Spirulina*
- ❖ Explain in detail the water sampling methods .
- ❖ Discuss in detail on environmental audit.
- ❖ Explain in detail mass culture of *Spirulina*.

Q.3 Write a short note on ANY FOUR.

- ❖ Green Belt
- ❖ Flow measurement
- ❖ Characteristics of dairy waste
- ❖ Nutritional value of SCP
- ❖ working of Cyclone
- ❖ oxidation pond
- ❖ Grab and composite samples
- ❖ Characteristic of sugar mill waste water.
 - ❖ Green Belt
 - ❖ Flow chart of ETP in dairy industries.
- ❖ Aquatic plants for pollution control