

# PYQSide

## NEET MICROBES IN HUMAN WELFARE — MICROBES IN SEWAGE TREATMENT — PYQS

Max. Marks: 28

Questions: 7

### Section A (MCQ)

**Q.1** Which of the following is put into Anaerobic sludge digester for further sewage treatment?

[NEET (UG) 2020]

- (1) Effluents of primary treatment
- (2) Primary sludge
- (3) Floating debris
- (4) Activated sludge

Scan or tap for the full solution



**Q.2** Which of the following in sewage treatment removes suspended solids ?

[NEET 2017]

- (1) Secondary treatment
- (2) Tertiary treatment
- (3) Primary treatment
- (4) Sludge treatment

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**Q.3** What gases are produced in anaerobic sludge digesters ?

[AIPMT 2014]

- (1) Methane and CO<sub>2</sub> only
- (2) Methane, Hydrogen Sulphide and O<sub>2</sub>
- (3) Methane, Hydrogen Sulphide and CO<sub>2</sub>
- (4) Hydrogen Sulphide and CO<sub>2</sub>

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**Q.4** The domestic sewage in large cities :

[AIPMT 2012 (Mains)]

- (1) has very high amounts of suspended solids and dissolved salts
- (2) has a high BOD as it contains both aerobic and anaerobic bacteria.
- (3) is processed by aerobic and then anaerobic bacteria in the secondary treatment in Sewage Treatment Plant (STPs)
- (4) When treated in STPs does not really require the aeration step as the sewage contains adequate oxygen

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**Q.5** Secondary sewage treatment is mainly a :

[AIPMT 2011 (Prelims)]

- (1) Mechanical process
- (2) Chemical process
- (3) Biological process
- (4) Physical process

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**Q.6** Select the correct statement from the following:

[AIPMT 2010 (Prelims)]

- (1) *Methanobacterium* is an aerobic bacterium found in rumen of cattle
- (2) Activated sludge-sediment in settlement tanks of sewage treatment plant is a rich source of aerobic bacteria
- (3) Biogas, commonly called gobar gas, is pure methane
- (4) Biogas is produced by the activity of aerobic bacteria on animal waste

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**Q.7** What is B.O.D.?

[AIPMT 2001]

- (1) The total amount of O<sub>2</sub> present in water
- (2) The amount of O<sub>2</sub> utilised by organisms in water
- (3) The amount of O<sub>2</sub> utilised by microorganisms for decomposition
- (4) All of the above

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### ANSWER KEY

| Ques. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |  |  |  |  |
|-------|---|---|---|---|---|---|---|--|--|--|--|
| Ans.  | 4 | 3 | 3 | 3 | 3 | 2 | 3 |  |  |  |  |