

SEAT No. _____

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SARDAR PATEL UNIVERSITY

B.Sc Examination, 5th Semester (NT)

BIOTECHNOLOGY

Friday, 13-04-2018

USO5CBIT-05

(Environmental Biotechnology)

Time: 02:00 P.M. to 05:00 P.M.

Total Marks: 70

MULTIPLE CHOICE QUESTION

10

1. The step in which organic matter is oxidized with the help of aerobic microbes in the waste water treatment plants is -----
 - a) Primary treatment
 - b) Secondary treatment
 - c) Tertiary treatment
 - d) All of the above
2. The secondary pollutants leading to the formation of photochemical smog.
 - a) CO
 - b) PAN
 - c) Co₂
 - d) All of the above
3. Which of the following technique is involved in conventional mining process?
 - a) Smelting
 - b) Heating
 - c) Blasting
 - d) All of the above
4. The optimum pH of bacteria of *sulpholobus* species in leaching process is -----
 - a) 2-3
 - b) 3-4
 - c) 4-6
 - d) All of the above
5. _____ leaching is mostly used where huge piles are collected from waste residues.
 - a) Dump
 - b) Vat
 - c) In-situ
 - d) All of the above
6. The compounds that resist biodegradation and thereby persist in environment are called?
 - a) Xenobiotics
 - b) Pollutants
 - c) Recalcitrant
 - d) Biomolecules
7. The uptake of contaminants by the roots of plant which are immersed in water is called?
 - a) Phytotransformation
 - b) Phytoextraction
 - c) Phytovolatilization
 - d) Rhizofiltration
8. The measure change in absorbance caused by the product generated by catalytic reaction?
 - a) Optical Biosensor
 - b) Calorimetric Biosensor
 - c) Electrochemical Biosensor
 - d) Whole cell Biosensor
9. Since several years genes of PHB biosynthesis is derived from?
 - a) *Trichosporon cutaneum*
 - b) *Euphorbia lathyris*
 - c) *Alcaligenes eutrophus*
 - d) *Pseudomonas aeruginosa*

