1517

Sardar Patel University

M Sc II Semester Microbiology/Biotechnology

PS02CMIC21/BIT21 Bioprocess and Biochemical Engineering

External Theory Examination

Date: 28 HA December, 2020

Time: 10:00 to 12:00 am

Max Marks: 70

Q. 1 (A) Choose the correct answer

(80)

- 1. Which of these is not a carbon source
 - a) soyabean meal
- b) molasses
- c) vegetable oils
- d) All are carbon sources
- 2. Bourdons tube is used to measure
 - a) weight

b) temperature

c) pressure

- d) pH
- 3. Lyophilization is a method for
 - a) Aeration
 - c) Cell disruption

- b) culture preservation
- d) Cell separation
- 4. Plug flow reactors are a type of
 - a) pneumatic systems
 - c) fed batch reactors
- b)imperfectly mixed bioreactors
- d) sterilizers
- 5. Baffles are associated with
 - a) agitation aeration
 - c) cell disruption

- b) solvent extraction
- d) filtration
- 6. Find the odd one out
 - a) cyclone column reactor
 - c) deep shaft reactor
- b) pressure cycle reactor
- d) air lift reactor

- 7. The 'a' in K_La is
 - a) area

- b) surface area
- c) surface area/volume
- d) agitation
- 8. Load cells are used to measure
 - a) Weight

b) pressure

c) pH

d) Temperature

detail