

- (A) To minimize contamination (B) To increase production
(C) To decrease lag phase of desired organisms (D) All of the above
- MCQ 5 Microbes are improved in industry for
(A) Better product (B) High yield
(C) Stability of organism (D) All of the above
- MCQ 6 Which of the following methods used for the improvement of microbes in industry?
(A) protoplast fusion (B) Recombinant DNA technique
(C) mutation (D) All of the above
- MCQ 7 Which of the following methods used only for the improvement of fungal strain?
(A) Protoplast fusion (B) Mutation
(C) Conjugation (D) Parasexual cycle
- MCQ 8 The number of baffles in a standard stirred tank bioreactor is
(A) 1 (B) 2
(C) 3 (D) 4
- MCQ 9 Increase in desired product by particular organism can be achieved by
(A) Genetic modification (B) Selecting proper medium components
(C) Selecting stable organisms (D) All of the above
- MCQ 10 Which of the following device is use to supply sterile air in the fermentation vessel during aerobic fermentation process?
(A) Baffles (B) Sparger
(C) Impeller (D) Oxygen probe
- MCQ 11 Which of the following disrupt vortex and provide better mixing?
(A) Sparger (B) Baffle
(C) Impeller (D) Foam breaker
- MCQ 12 Which of the following serve dual purpose of aeration and agitation?
(A) Cooling water tubing (B) Impeller
(C) Sparger (D) Baffle
- MCQ 13 Air can be continuously sterilized by
(A) Filtration (B) Steam
(C) Chemicals (D) All the above
- MCQ 14 Fermentor for fermentation process should be
(A) Able to withstand high temperature (B) Able to withstand high pressure
(C) Able to resist corrosion (D) All the above
- MCQ 15 _____ is used for cultivation of algae
(A) photobioreactor (B) fermentor
(C) bioreactor (D) None of the above