

Sample MCQs

- Q1 Filtration & centrifugation methods used during recovery of fermentation products help in
- Mixing of components
 - Liberation of intracellular products
 - Separation of cellular mass & Insoluble materials
 - Flocculation of cells
- Q2 Anaerobic treatment of sludge reduces
- foul smell
 - nutrient elements
 - inorganic content
 - Increases BOD
- Q3 High frequency vibrations used to lyse cells is
- A solid shear method
 - An Osmotic shock method
 - An ultrasonication method
 - A freeze-thaw method
- Q4 Purification of Penicillin using Podbielniak extractor is based on
- Co current solvent extraction & filtration
 - Counter current solvent extraction & centrifugal separation
 - Co current solvent extraction & centrifugal separation
 - Ultracentrifugal separation
- Q5 In chromatography methods, DEAE cellulose is used in
- Anionic exchange resin columns
 - Cationic exchange resin columns
 - Adsorption columns
 - Affinity columns
- Q6 To set up a root culture, the auxin to cytokinin ratio should be
- equal
 - high
 - low
 - one
- Q7 Contact inhibition property is lost in
- Normal cell lines
 - Continuous cell lines
 - Primary cell lines
 - Adherent cell lines
- Q8 One of the disadvantages of covalent binding method of immobilisation is

- a. Enzyme is not lost from the matrix
- b. Enzyme converts substrate to products
- c. Enzyme active sites get altered
- d. Enzymes is concentrated in the matrix

Q9 Micropropagation method of PTC uses

- a. Microorganisms to induce growth
- b. Microelements in preparation of medium
- c. Small explants of shoots
- d. Slow propagation method

Q10 Microcarrier beads allow development of suspension culture systems of

- a. Nonadherent cells
- b. Adherent cells
- c. Non-homogeneous cells
- d. Cancer cells

Q11 RODAC plates are used in bioburden determination of

- a. Air
- b. Surfaces
- c. Liquids
- d. Raw materials

Q12 GMP in Quality Assurance is

- a. Good Machine Parts
- b. Good Materials & Products
- c. Good Manufacturing Practices
- d. Good Monitoring Practices

Q13 Process Patent include

- a. Type of plasmids
- b. Method of constructing a plasmid
- c. Components of the plasmids
- d. Application of plasmids

Q14 Patentee is the individual who

- a. Applies for patent
- b. Receives the patent
- c. Grants the patent
- d. Checks the patents

Q15 Turbidometric assay is used when

- a. Assay culture forms pellicle on the surface of medium
- b. Assay culture swarms on agar medium but gives even turbidity in liquid medium
- c. Assay culture is a slow growing culture
- d. Assay culture gives uneven turbidity in liquid medium

- Q16 Oxalic acid synthesis during citric acid fermentation can be reduced by
- By increasing metal ions in the medium
 - By maintaining low pH of the medium
 - By lowering the temperature of fermentation
 - By increasing the duration of fermentation
- Q17 Two stage fermentation for Vitamin B12 is carried out when the Production strain is
- Escherichia coli 113D
 - Propionibacterium shermanii
 - Pseudomonas denitrificans
 - Staphylococcus aureus 6538P
- Q18 During Penicillin G fermentation, precursor added is
- Cobalt
 - Beta lactam
 - Phenylacetic acid
 - Penicilloic acid
- Q19 Stage II composting for mushroom cultivation reduces
- Volume of the bed
 - Ammonia content in the bed
 - Carbon content in the bed
 - Water content in the bed
- Q20 Corynebacterium glutamicum produces high yield of Glutamic acid when
- Biotin content is above 5Ug/ml
 - Biotin content is within 5Ug/ml
 - Glycerol is in high amounts
 - Glycerol is in limiting amounts

Date :19-9-2020