

K.T.S.P. Mandal's

Hutatma Rajguru Mahavidyalaya

Arts, Science and Commerce

Rajgurunagar, Tal-khed, Dist. Pune

T.Y.B.Sc. Sem-V

Industrial chemistry paper-505

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As per new revised choice based credit
system syllabus w.e.f. June

2021

topic - MCQ

Multiple choice question

1) The conversion of molasses into alcohol is best example of

- 1) **fermentation process**
- 2) Lime defecation process
- 3) Carbonation process
- 4) Sugar boiling process

2) In crystallization process of sugar from which no additional sugar is recovered economically such the residual mother liquor left behind called as...

- 1) Centrifugate
- 2) **Molasses**
- 3) Extract
- 4) None of it

3) For the formation of fermentation product in high yield the temp. used must be

- 1) High
- 2) Low
- 3) **optimum**
- 4) very very high temp

4) Optimum PH is favorable for fermentation of molasses is....

- 1) 4.5 -5.5
- 2) 6.5-7.5**
- 3) 8.5-9.5
- 4) 10.5-11.5

5) The molasses is converted into ethanol by means of yeast which produce by...

- enzyme invertase
- enzyme zymase.
- **enzyme invertase and zymase**
- enzyme diastase

6) In fermentation process, The diluted molasses solution and the growth of undesirable bacteria is check by which of the following acid.

- 1) HCl
- 2) H_2SO_4**
- 3) HNO_3
- 4) H_3PO_4

7) The scotch whiskey is prepared from

- 1) Sugar cane
- 2) Barely malt.**

3) Wheat

4) Beat

8) which of the following alcoholic drink-ages which is simplest potable alcohol which do not contain any flavour

1) Wine

2) Whisky

3) Rum

4) Beer

9) Which of the following alcoholic drink-ages is allow to mature in wooden tanks for 2 to 5 or more years

1) Wine

2) Whisky

3) Rum

4) Beer

10) Industrial alcohol contain alcohol and water is

1) 95% of alcohol and 5% water

2) 85% of alcohol and 15% water

3) 99% of alcohol and 1% water

4) 90% of alcohol and 10% water

11) Which of the following is unit process

a) Nitration

b) Mixing

c) washing

d) adsorption

12) Which of the following is unit operation

- a) Condensation
- b) Nitration
- c) Evaporation**
- d) Reduction

13) The chemical reaction takes place in same phase is called as

- a) Heterogeneous reaction
- b) Homogeneous reaction**
- c) Catalytic homogeneous reaction
- d) Catalytic Heterogeneous reaction

14) The catalyst is substance which increases the rate of chemical reaction due to

- a) Increase in energy of activation
- b) Decrease in energy of activation**
- c) Energy of activation remains same
- d) None of it

15) Which of the following process gives the high quality control.

- a) Batch process
- b) Unit process
- c) Continuous process**
- d) None of it

16) The manufacture of ammonia is carried out by which of the following process

- a) Bosch -Haber process**
- b) Contact process
- c) Ostwald process
- d) Unit process

17) The manufacture of nitric acid is carried out by which of the following process

- a) Bosch -Haber process
- b) Contact process**

c) Ostwald process

d) Unit process

18) The manufacture of sulphuric acid is carried out by which of the following process

a) Bosch -Haber process

b) Contact process

c) Ostwald process

d) Unit process

19) The manufacture of ammonia is carried out by using which of the following catalyst

a) Finely divided iron and Ni

b) Finely divided iron

c) Finely divided pt

d) Finely divided pd

20) In the manufacture of sulphuric acid is carried out by contact process, the pressure used is

a) 1.5 to 1.7 atm

b) 2.5 to 2.7 atm

c) 3.5 to 3.7 atm

d) 4.5 to 4.7 atm

References: According to the new revised syllabus of Savitribai Phule Pune University from June 2021, Text book of Industrial chemistry for T.Y. B.Sc. course (CH- 505), Sem-V Manali Publication, Nirali Publication and google image

HRM, Chemistry