

ABHINAV COLLEGE OF ARTS, COMMERCE AND SCIENCE, BHAYANDAR EAST
DEPARTMENT OF CHEMISTRY
PRACTICE QUESTION PAPER-ANALYTICAL CHEMISTRY-SUMMER SESSION 2020

- 1) Polarography is a ----- technique.
a) voltammetry b) amperometric c) titrimetric d) pH metry
- 2) The current voltage curve is known as -----
a) acid -base b) polarogram c) voltmetry d) Half wave potential.
- 3) The time that lapses between the detachment of two successive drops is known as -----
a) dead time b) drop time c) base time d) timeless
- 4) Rotating platinum is used in amperometric titration as ----- electrode.
a) reference b) combined c) indicator d) working
- 5) In amperometric titration Pb^{2+} can be detected by using ----- reagent.
a) potassium dichromate b) lead nitrate c) EDTA d) Silver nitrate
- 6) The DME can be used over a range of ----- volt.
a) +0.2 to -0.4 b) +0.4 to -2 c) -0.4 to 0.4 d) -0.2 to +0.4
- 7) For halogenated hydrocarbons ----- detector is very sensitive.
a) TCD b) FID c) FPD d) ECD
- 8) The retention time of the mobile phase is called -----
a) drop time b) base time c) dead time d) time limit
- 9) The quantitative measure of the column ability to separate two analyte is called -----
a) retention b) separation c) dissolution d) resolution
- 10) Mobile phase for gas chromatography is called-----
a) polar b) non polar c) isocratic d) gradient
- 11) If mobile phase is gas in GC is called-----
a) GSC b) TCD c) FID d) ECD
- 12) In TCD ----- gas is widely used.
a) Helium b) Nitrogen c) Oxygen d) Sulphur

- 13)----- is the substance applied on body to prevent body odour.
a) Deodorant b) Talcum powder c) Cream d) medicine
- 14) ----- pasteurization method involves heating of milk.
a) DHT b) BHT c) UHT d) AHT
- 15) ----- milk is a complex fluid in which more than 100 separate chemical compounds are found.
a) Chemically b) Naturally c) Animal d) Powder
- 16) ----- acid is present in honey sample.
a) Benzoic b) Amino c) Lactic d) Citric
- 17) In steeped tea ----- are largely responsible for astringency.
a) Tannin b) Essential oil c) Polyphenols d) Caffeine
- 18) ----- in tea include the stimulant caffeine.
a) Amino acid 2) Methylxanthenes 3) Minerals 4) Carbohydrates
- 19) ----- preservatives help to keep cosmetic products free of bacteria.
a) parabens b) Aluminium c) Glycerol d) Lavender
- 20) The volatile products formed during thermal decomposition are -----
a) TGA b)DTA c)DSC d)Evolved Gas Analysis
- 21) Chromel or alumel thermocouples are used to measure temperature up to -----
a)1333 K b)1732 K c) 1373 K d) 1733 K
- 22) Thermocouples made up of ----- are used up to temperature of 2023 K.
a) rhodium b) glass c) gold d)silver
- 23) ----- method is used to study decomposition temperature.
a) TDA b) TCD c) DTA d)TG
- 24) ----- is the process of documenting of analytical data acceptable for the intended use.
a) Standardisation b) Estimation c) Calibration d) Validation
- 25) The lowest concentration of analyte that can be estimated accurately within the given matrix by ---- method.
a) LOD b)LOQ c) LDO d) LQO