BHARATI VIDYAPEETH'S COLLEGE OF PHARMACY SECTOR-8, CBD, BELPAUR, NAVI MUMBAI-400614

SECOND YEAR B. PHARM. SEMESTER III (R-2019)

SUBJECT: PHARMACEUTICAL ENGININGEER (BP304T) Multiple Choice Questions for practice

- 1 Reynolds number signifies the ratio of
 - a. Gravity forces to viscous forces
 - b. Inertia forces to gravity forces
 - c. Inertial forces to viscous forces
 - d. Buoyant forces to inertia forces
- 2 The fluid pressure, exerted upon a column of liquid, can be measured by an instrument called
 - a. Pressure gauge
 - b. Manometer
 - c. Venturimeter
 - d. Energy meter
- 3 Bourdon Gauge operates under
 - a. Pressure change by bending, deforming or deflecting depending upon the pressure variation
 - b. measurement of small pressure differences
 - c. Displacement of a moving member by stream of fluid
 - d. Sensing element is inserted at the center of the stream; it sensitizes the increased flow velocity.
- 4 Pitot tube operates on the principle of
 - a. Reynolds number
 - b. Manometer
 - c. Orifice diameter
 - d. Bernoullis theorem
- 5 In orifice meter the value of Co normally used for calculation is
 - a. 0.98
 - b. 0.75
 - c. 0.85
 - d. 0.61
- 6 Pulsation is more in
 - a. Double acting piston pump
 - b. Diaphragm pump
 - c. Single acting piston pump
 - d. Rotary pump

7	Air binding of pump is avoided by
	a. Self-priming of pumps

- b. High pressure of water
- c. Using less viscous liquid
- d. High horse power motor
- 8 Equation for mass transfer in turbulent and laminar flow is
 - a. PA = HCA+b
 - b. HCA = [P] A+b
 - c. NA = Kg (CAi-CAb)
 - d. Kg = [N] A (CAi-CAb)
- Which conveyer works on the mechanism of fluidization? 09
 - a. Pneumatic conveyer
 - b. Chain conveyer
 - c. Bucket conveyer
 - d. Screw conveyer
- 10 Process of evaporation can be fastened by
 - a. Increasing the boiling point
 - b. Decreasing the volume of liquid
 - c. Increasing the volume of liquid
 - d. Decreasing the boiling point
- 11 Fruit concentrate is prepared in which evaporator
 - a. Falling film evaporator
 - b. Climbing film evaporator
 - c. Wiped film evaporator
 - d. Basket type evaporator
- 12 Benzene and cyclohexane is separated by
 - a. Simple distillation
 - b. Equilibrium distillation
 - c. Azeotropic distillation
 - d. Extractive distillation
- 13 Short path distillation is used for distilling
 - a. Vitamin A & E
 - b. Liquids whose boiling points are very close
 - c. Alcohol
 - d. Volatile oils
- 14 Stripping area in distillatory refers to
 - a. Condensation of liquid

- b. Separation of componentsc. Evaporation of liquid
- d. Fusing of liquid
- 15 Absorption system of refrigeration consists of
 - a. Refrigerant & adsorbent
 - b. Refrigerant & absorbent
 - c. Refrigerant & cotton
 - d. Refrigerant & chemicals
- 16 Monel metal is an alloy of
 - a. Nickel
 - b. Copper
 - c. Brass
 - d. Bronze
- 17 Hydrogen embrittlement canbe avoided by
 - a. Protective coatings
 - b. Lubrication
 - c. Change in velocity and environment
 - d. Alloying of metal
- 18 Fumaric acid and pthalic acid results in formation of
 - a. Polyvinyl chloride
 - b. Polyester
 - c. Polyethylene
 - d. Polystyrene
- 19 Circuit breakers prevent the electrical hazards by
 - a. Melt when too much current flows through them.
 - b. Designed to trip open the circuit by electro-mechanical means
 - c. Designed to shutoff electric power within as little as 1/40 of a second
 - d. Pass the electricity to the ground
- 20 Class K type of fire is caused by
 - a. Cooking oil and fats
 - b. Combustible material
 - c. Flammable liquids
 - d. Metals
- 21 Halogenated fire extinguisher acts by
 - a. Heat element of fire triangle
 - b. Oxygen element of fire triangle
 - c. Fuel element of fire triangle
 - d. Interrupting the chemical reaction of fire triangle

22. The equation for rate of heat transfer by conduction process is

- a. Rate = resistance/driving force
- b. q = hcA (t1 t2)
- c. Rate = driving force/resistance
- d. q = EbAT4

23. Snubbers and idlers are used in

- a. Vaccum conveyor
- b. Belt conveyor
- c. Screw conveyor
- d. Bucket conveyor

24. Good ventilation is required in

- a. Horizontal Tube Evaporator
- b. Evaporating pan
- c. Climbing Film Evaporator
- d. Forced Circulation Evaporator

25. Rayleigh Distillation is also known as

- a. Differential distillation
- b. Flash distillation
- c. Fractional distillation
- d. Extractive distillation