1) Choose the wrong statement.
Alcohol is used in manometer, because
A) its vapour pressure is low Answer
B) it provides suitable meniscus for the inclined tube
C) its density is less
D) it provides longer length for a given pressure difference
E) it provides accurate readings.

2) Increase in pressure at the outer edge of a drum of radius R due to rotation at corad/sec, full of liquid of density p will be
A) pco2/?2
B) pco2/?2/2 Answer
C) 2pa2R2
D) pa2R/2
E) None of the above

3) The property of fluid by virtue of which it offers resistance to shear is called
A) surface tension
B) adhesion
C) cohesion
D) viscosity Answer
E) All of the above.

4) Choose the wrong statement
A) fluids are capable of flowing
B) fluids conform to the shape of the containing vessels
C) when in equilibrium, fluids cannot sustain tangential forces
D) when in equilibrium, fluids can sustain shear forces Answer

E) fluids have some degree of comprehensibility and offer little resistance to form.

5) The density of water is 1000 kg/m3 at
A) 0°C
B) 0°K
C) 4°C
D) 20°C Answer
E) all temperatures.

6) Applications of Reynold's number
A) Predicting whether the flow is laminar. Answer
B) Orifice meter
C) Pitot tube
D) None of the above

7) Examples of Notch
A) Discharge
B) Rectangular Answer
C) According to shape
D) Nature of crest

8) Examples of Weir
A) Trapezoidal
B) Triangular
C) width of crest Answer
D) All of the above

9) What are the types of turbines?
A) Impulse turbine Answer
B) Centrifugal
C) Reciprocating
D) All of the above

10) What are the types of Pump?
A) Reaction
B) Impulse
C) Centrifugal Answer
D) None of the above

11) Application of Bernoulli's theorem
A) Venturimeter Answer
B) Orifice meter
C) Pitot tube
D) All of the above

12) Application of hydraulics in Irrigation Engineering.
A) To calculate discharge flowing through the canal.
B) To determine velocity of flow at a point channel.
C) Spillway can also be designed to pass off water on D/S of a dam.
D) All of the above Answer

13) Applications of Bernoulli's theorem
A) Venturimeter Answer
B) Predicting whether the flow is turbulent.
C) Finding out the coefficient of friction in order to determine Frictional loss very accurately.
D) All of the above

14) Use of pressure diagram
A) To Calculate pressure due to liquid on both the side of surface
B) To Calculate pressure on vertical and inclined faces of the dam.
C) To find the position of the centre of pressure.

D) All of the above Answer

15) Remedial measures of water hammer
A) Valve should be closed gradually.
B) A surge tank is used near the valve.
C) Use a pressure relief valve.
D) All of the above Answer

16) uses of syphon.
A) To drain out water from a channel without any outlet.
B) To take out the water from a tank not having any outlet.
C) To Calculate pressure exerted by liquid on one side of the surface.
D) Both A) & B) Answer

17) The flow in which velocity at a given time changes from point to point in flowing fluid. is called non- uniform flow.
A) True Answer
B) False

18) Turbine is used to lift liquid from one level to other
A) True
B) False Answer
Turbine is used to extract energy from fluid flow

19) Reciprocating pumps has more efficiency.
A) True Answer
B) False

20) Starting torque of the Centrifugal pump is more.
A) True Answer
B) False

21) In Reciprocating pump discharge is Continuous.
A) True
B) False Answer
In Reciprocating pump discharge is fluctuating.

22) The point at which the total pressure is supposed to be an act is called the centre of pressure.
A) True Answer
B) False

23) In Centrifugal pump discharge is Fluctuating.
A) True
B) False Answer
In Centrifugal pump discharge is continuous.

24) The flow in which velocity at a given time does not change both in magnitude and direction from point to point in the flowing liquid is called uniform flow
A) True Answer
B) False

25) Pump is used to extract energy from fluid flow
A) True
B) False Answer
Pump is used to lift liquid from one level to other