

1) A machine used to raise the pressure of air is called as

- a) Gas Turbine
- b) I.C engine
- c) Compressor**
- d) Air motor

2) Which type of compressor is suitable for High pressure (above 10 bars) and relatively low pressure (below 10000 m³/hr)

- a) Reciprocating compressor**
- b) Rotary compressor

3) If large volume of air with low pressure is required then dynamic compressor are preferred

- a) Right**
- b) Wrong

4) Which is not a positive Displacement compressor

- a) Piston Compressor
- b) Screw compressor
- c) Axial Compressor**
- d) Rotary vane compressor

5) The capacity of compressor is expressed in

- a) Kg/m
- b) 2kg/m³
- c) m³/min**
- d) m³/kg

6) In a double acting compressor, the air is compressed

- a) In one cylinder
- b) In two cylinder
- c) In a single cylinder on both sides of the piston**
- d) In two cylinders on both sides of the piston

7) In double acting reciprocating air compressor the supply of air to air receiver is _____ single acting compressor

- a) More Pulsating than
- b) More Smooth than**
- c) Same as

8) In single acting reciprocating compressor, the suction, compression and delivery of air takes place in _____ of the piston

- a) One stroke
- b) Two stroke**
- c) Three stroke

d) Four strokes

9) When air is to be compressed at a high pressure, it is advantageous to use

- a) Single stage compression
- b) Multi-stage compression without intercooler
- c) **Multi-stage compression with intercooler**

10) _____ starts automatically when pressure in air receiver falls below the set pressure

- a) Intercooler
- b) Pump
- c) **Compressor**
- d) Motor

11) Intercooling in multi-stage compressors is done

- a) To cool the air during compression
- b) To cool the air at delivery
- c) To enable compression in two stages
- d) **To minimize the work of compression**

12) The maximum delivery pressure in a rotary air compressor is

- a) **10 bar**
- b) 20 bar
- c) 30 bar
- d) 50 bar

13) Rotary compressors are suitable for large discharge of air at low pressure

- a) **Agree**
- b) Disagree

14) The speed of rotary air compressor is _____ as compared to reciprocating air compressor

- a) **High**
- b) Low

15) The type of rotary compressor used in aeroplane

- a) Centrifugal
- b) **Axial flow type**
- c) Radial flow type

16) In centrifugal compressor the flow of air is _____ to the axis of compressor

- a) Parallel
- b) **Perpendicular**
- c) Inclined

17) In axial flow compressor the flow of air is parallel to the axis of compressor

- a) **Right**

b) Wrong

18) Impeller of centrifugal compressor rotates at

- a) 10000 rpm
- b) 20000 rpm
- c) 30000 rpm
- d) **50000 rpm**

19) Centrifugal compressor discharge air is not store in air tank

- a) **Agree**
- b) Disagree

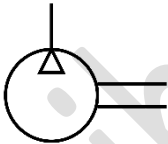
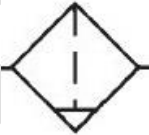
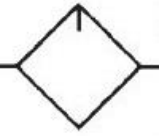
20) The Discharge of air of Axial type compressor is upto

- a) 10000 m³/min
- b) 15000 m³/min
- c) 30000 m³/min
- d) **50000 m³/min**

21) Which statement is wrong in case of air tank

- a) It provides reserve storage of compressed air
- b) It smoothens out the pulsation in flow from reciprocating machine
- c) **It makes the compressed air warm**
- d) It helps to condense the moisture in air

22)

a)		1) Filter
b)		2) Lubricator
c)		3) Compressor

- a) (a)-(1), (b)-(2), (c)-(3)
- b) **(a)-(3), (b)-(1), (c)-(2)**
- c) (a)-(3), (b)-(2), (c)-(1)

23) Which statement is wrong in case of Good Fluid power plumbing

- a) They should have sufficient strength to support devices mounted on it
- b) They should withstand high pressure of fluid
- c) They should be clean and flushed regularly
- d) They should have excessive number of elbows, bends**

24) Which pipes are used in hydraulic system of aircraft

- a) Copper
- b) Aluminum**
- c) G.I pipe
- d) Plastic

25) Which statement is wrong in case of Rubber hose

- a) Well equipped with quick connect- disconnect end fittings
- b) Can be manufactured in long lengths
- c) Cannot withstand high pressure**
- d) They can absorb very heavy shocks than rigid pipes

26) A part whose one end is attached to the hose and other end is connected to the hydraulic circuit is called fitting

- a) Agree
- b) Disagree

27) Which is the wrong function of Seal

- a) To stop leakage
- b) To maintain the pressure
- c) To keep out contamination in the system
- d) To reduce the working life of the system

28) _____ seals are used to seal two mating part which don't have relative motion between them

- a) Stable seals
- b) Static seals
- c) Dynamic Seals
- d) Unstable seals

29) Which is not reason of seals failure

- a) Incompatibility of seal material with oil
- b) Low speed of actuators
- c) High temperature of working medium
- d) Balanced shaft and proper bearings

30) To store excessive hydraulic energy and on demand make the stored energy available to the system is the function of

- a) Actuators

- b) Separators
- c) Accumulators
- d) FRL unit

Toshib Sir and Team