

**MODEL QUESTION PAPER**  
**PUMP OPERATOR CUM MECHANIC (TYPICAL)**

- 1. Reciprocating pump is used for** ☐
- a) Low flow rate and high discharge pressure  
b) High flow rate and low discharge pressure  
c) High flow rate and high discharge pressure  
d) Low flow rate and low discharge pressure
- 2. What is the purpose of reducer in pipe fittings** ☐
- a) To reduce the velocity  
b) To reduce the flow rate  
c) To join different diameter pipes  
d) To change the direction of pipe line
- 3. Which among the following is the standard form of pipe thread?** ☐
- a) BSP                      b) BSW                      c) BSF                      d) BA
- 4. The centrifugal pump in which the pressure is developed wholly by centrifugal force is** ☐
- a) Radial flow                      b) Mixed flow  
c) Axial flow                      d) Angular flow
- 5. Multistage centrifugal pumps are used to** ☐
- a) Give high discharge                      b) Produce high heads  
c) Pump viscous fluids                      d) All of the above
- 6. The function of a foot valve is** ☐
- a) To strain the liquid entering the suction line  
b) To isolate suction and discharge line  
c) To avoid sudden back flow on stopping forward flow  
d) To retain priming intact
- 7. Specific gravity of water is** ☐
- a) 0.001                      b) 0.01                      c) 0.1                      d) 1
- 8. Pressure measured with the help of pressure gauge is called** ☐
- a) Atmospheric pressure                      b) Gauge pressure  
c) Absolute pressure                      d) Mean pressure
- 9. Discharge of a centrifugal pump is** ☐
- a) Directly proportional to N                      b) Inversely proportional to N  
c) Directly proportional to  $N^2$                       d) Inversely proportional to  $N^2$   
Where, N= speed of the pump impeller
- 10. Which of the following pump is suitable for small discharge and high heads** ☐
- a) Centrifugal pump                      b) Axial flow pump  
c) Mixed flow pump                      d) Reciprocating pump