

## Question Bank (G scheme)

Name of subject: Chemical Engineering Drawing

Unit Test :I

Subject code:17647

Course : CH

Semester: VI

### Chapter-1 Process Instrumentation Symbols (4M)

(3 marks)

1. Draw symbols a) Packed bed reactor b) Distillation column c) Jaw crusher.
2. Draw symbols a) Fluidized bed reactor b) Absorption column c) Ball mill.
3. Draw symbols a) CSTR b) Gate valve c) Heat exchanger
4. Draw symbols a) Packed bed reactor b) Distillation column c) Jaw crusher
5. Draw symbols a) Centrifugal pump b) Crystallizer c) Ball valve

### Chapter-2 Valves (12M)

(4 marks)

6. Draw neat sketch of gate valve.
7. Draw neat sketch of globe valve.
8. Draw neat sketch of ball valve.
9. Draw neat sketch of diaphragm valve.
10. Draw neat sketch of safety valve (rams bottoms).

### Chapter-3 Pipe Joints(12M)

(3 marks)

11. Draw neat sketch of bend.
12. Draw neat sketch of elbow.
13. Draw neat sketch of socket.
14. Draw neat sketch of reducer.

(4 marks)

15. Draw neat sketch of union joint.
16. Draw neat sketch of hydraulic joint.
17. Draw neat sketch of socket and spigot joint.
18. Draw neat sketch of welded neck and hub type flange.
19. Draw neat sketch of loop joint.

## **Chapter-4Fabrication Drawing (16 M)**

**(4 marks)**

20. Draw neat sketch of any two hanger supports.
21. Draw neat sketch of leg support
22. Draw neat sketch of socket and spigot joint.
23. Draw neat sketch of bracket support.
24. Draw neat sketch of skirt support.
25. Draw neat sketch of saddle support.