

## Question bank (G scheme)

Name of Subject: Heat Transfer Operation

Subject code: 17560

Semester: Fifth

Course: CH

### UNIT TEST-II

Topic4: STORAGE & TRANSPORTION OF CHEMICALS (18M)

#### 3 marks question

1. Explain the different methods of storage.
2. Explain the methods of packing of solids.
3. Explain about vibrating hopper
4. Explain the screw feeder
5. What are the functions of material handling?
6. Explain the principles of material handling.

#### 4 marks question:

7. Write about the construction & working of
  - a) screw conveyor. b) belt conveyor.
8. Write about the construction & working o
  - a) Bucket elevator. b) Pneumatic conveyor.
9. How to transport corrosive chemicals & flammable liquids?
10. How to transport toxic chemicals & water reactive chemicals?
11. How to transport igniting substances & oxidizing materials?

### Topic5: Safety Audit (6M)

#### 4 marks question:

12. What are the main objectives of auditing?
13. What is the step by step procedure of safety audit?

### Topic6: plant maintenance (28M)

#### 3 marks question

14. What is the main objective of plant maintenance?
15. What is the function of plant maintenance department?
16. What are the responsibilities of plant maintenance department?
17. Write the hierarchy of maintenance department.
18. Write the types of maintenance.

**4 marks question:**

19. Write about corrective maintenance.
20. Explain scheduled maintenance.
21. Explain about predictive maintenance.
22. Explain about preventive maintenance.
23. Write about online maintenance.
24. Explain the procedure for shutdown maintenance.
25. Write about shutdown & startup of plant.