



Code No. : 5028/B/O

FACULTY OF ENGINEERING
B.E. 2/4 (Civil) II Semester (Old) Examination, May/June 2012
MECHANICAL TECHNOLOGY (Part – B)

Time : 1½ Hours]

[Max. Marks : 37

***Note :** Answer **all** questions from Part – A. Answer **any three** questions from Part – B.*

PART – A

Marks : 13

- | | |
|---|---|
| 1. State the applications of tractor and scraper. | 2 |
| 2. Differentiate between screw and apron conveyor. | 3 |
| 3. Suggest a lifting equipment used for correction of water pipeline. | 2 |
| 4. What type of crusher is used for production of fine aggregates ? | 3 |
| 5. Distinguish between earth compactors and concrete vibrator. | 3 |

PART – B

(3×8=24 Marks)

- | | |
|---|---|
| 6. a) Explain the working and operations of clamshell. | 4 |
| b) Explain the types and applications of bulldozer. | 4 |
| 7. a) Explain the operation and usage of bucket elevator. | 4 |
| b) Explain working principle and operation of guyed derrick. | 4 |
| 8. a) Differentiae between jaw and gyratory crushers. | 4 |
| b) Explain the operation of paving breaker. | 4 |
| 9. a) What are the applications of screens in construction work ? | 4 |
| b) State applications of concrete pump. | 4 |
| 10. Write short notes on any two of the following : | |
| a) Cable excavator | |
| b) Differential chain bost | |
| c) Reciprocating air-compressor | |
| d) Mobile cranes. | |