

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER-VIII • EXAMINATION – WINTER • 2014

Subject Code: 182203**Date: 02-12-2014****Subject Name: Mining & processing of Dimensional stone****Time: 02:30 pm - 05:00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

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|------------|------------|--|-----------|
| Q.1 | (a) | Physio-mechanical properties of dimensional stone. | 07 |
| | (b) | Resources of limestone deposits in india and gujrat. | 07 |
| Q.2 | (a) | Listout kinds of machinery used for mining of dimensional stone. | 07 |
| | (b) | Resources of marble deposits in india and gujrat. | 07 |
| | | OR | |
| | (b) | Resources of granite deposits in india. | 07 |
| Q.3 | (a) | Explain Conventional mining of sandstone. | 07 |
| | (b) | Describe Wire saw with diagram. | 07 |
| | | OR | |
| Q.3 | (a) | Describe chain saw with diagram. | 07 |
| | (b) | Blasting in dimensional stone mines. | 07 |
| Q.4 | (a) | Explain flame jet burner. | 07 |
| | (b) | Describe derrick crane with diagram. | 07 |
| | | OR | |
| Q.4 | (a) | Explain water channeling. | 07 |
| | (b) | Describe gang saw with diagram. | 07 |
| Q.5 | (a) | Types of polishing machines used for dimensional stone. | 07 |
| | (b) | Environmental impacts of mining and processing of dimensional stone. | 07 |
| | | OR | |
| Q.5 | (a) | Types of abrasives. | 07 |
| | (b) | Secondary use of quarried land and waste of industry. | 07 |
