| Seat No.: | Enrolment No. |
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GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – III • EXAMINATION – WINTER • 2013

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| | • | code: 731804 Date: 28-11-2013 | |
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| | 3. | Figures to the right indicate full marks. | |
| Q.1 | (a) | Discuss basic concept of EHS (Environment, Health and Safety) programme | 07 |
| | (b) | and their integration. Differentiate between industrial hygiene and occupational health | 07 |
| Q.2 | (a) | Write down benefits of industrial hygiene with reference to environmental | 07 |
| | (b) | management. Discuss role of Safety officer, Environmental engineer, Medical officer in EHS. OR | 07 |
| | (b) | Write a short note on Biological Monitoring. | 07 |
| Q.3 | (a) (b) | Write a short note on Significance of TLV, STEL, Ceiling limit, BELs. Write a short note on PPE. | 07 07 |
| Q.3 | (a) (b) | OR Write basic concept and principle of engineering control in Industrial safety. How housekeeping is important in EHS? | 07 07 |
| Q.4 | (a) (b) | Write a short note on HAZOP. Write a short note on HAZEN. | 07 07 |
| 0.4 | () | OR | 0= |
| Q.4 | (a) (b) | Define ventilation and discuss general principle of ventilation. Write short note on local exhaust ventilation system and testing of ventilation system. | 07 07 |
| Q.5 | (a) (b) | Discuss effects and control of Noise. Write a short note on toxic effects of heavy metals. | 07 07 |

Q.5 (a) Discuss application of ergonomics for safety and health.(b) Enlist occupational diseases and discuss any one in detail.

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