Seat No.: _____                                    Enrolment No._____

# GUJARAT TECHNOLOGICAL UNIVERSITY
## DIPLOMA ENGG.- IV$^{th}$ SEMESTER–EXAMINATION – JUNE- 2012

**Subject code: 346101**                               **Date: 18/06/2012**

**Subject Name: Fire (Applied) Chemistry - II**

**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.**
4. **English version is considered to be Authentic**

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|---|---|---|---|
| **Q.1** | (a) | Note on "Airline respirator" | **07** |
| | (b) | Definitions on – Gas Cylinders Rules. | **07** |
| **Q.2** | | | |
| | (a) | How to store safety the cylinders? | **07** |
| | (b) | Note on – Abstracts of factory acts. | **07** |
| | | **OR** | |
| | (b) | Define – SMPV Rules | **07** |
| **Q.3** | | | |
| | (a) | Note on Identification of leakage & its measurement. | **07** |
| | (b) | Which Precautions should be taken during transporting the hazardous goods? | **07** |
| | | **OR** | |
| **Q.3** | (a) | Note on – A selection of employees & their training with respect to hazardous goods. | **07** |
| | (b) | Note on – A Guideline from transport communication for hazardous goods. | **07** |
| **Q.4** | | | |
| | (a) | Note on – Two phase release calculations of hazardous chemicals. | **07** |
| | (b) | Write note on – Fire Explosion of toxic materials | **07** |
| | | **OR** | |
| **Q. 4** | (a) | How to dispose hazardous waste ? | **07** |
| | (b) | How will you impart the duties & responsibilities as a leader in the factory which manufacturing hazardous chemicals ? | **07** |
| **Q.5** | | | |
| | (a) | Note on – Safety measures while putting new plant. | **07** |
| | (b) | How to do safety Audit in factory? | **07** |
| | | **OR** | |
| **Q.5** | (a) | Discuss the objectives of Emergency planning. | **07** |
| | (b) | How to set the Emergency control centre? | **07** |

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| પ્રશ્ન–૧ | અ | "Ael a[n r&plr&r" ]pr no& l qo. | 07 |
| | બ | "ge isl lNDr ¼s Ükayda'" ]pr no& l qo. | 07 |
| | | | |
| પ્રશ્ન–૨ | અ | isl lNDrone sl amtl4l kel rlteS3o&r krxo? | 07 |
| | બ | "fl8rl Al8 no sarax" pr no& l qo. | 07 |

અથવા

| | બ | "SMPV ¼s" nl Vya2ya kro. | 07 |

| પ્રશ્ન–૩ | | | |
| | અ | Cae l lkje nl Ao5qa` Anetemap kel rlteka!xo te&iv8e no& l qo | 07 |
| | બ | Qatrnaq mal na 3¥Spo3¥n drimyan k[ ka5+ l ax o ? | 07 |

અથવા

| પ્રશ્ન–૩ | | | |
| | અ | qtrnak mal r'say` sa4ekam l ax ar ma`sonus l l&xn Ane 3§ing kel rlteAapxo ? | 07 |
| | બ | 3¥spo3¥kimxnna mag&xR ü qtrnak saman ma8ea&-]pr no& l qo. | 07 |

| પ્રશ્ન–૪ | | | |
| | અ | qtrnak kimkl sne0dva Ü⩗⩗⩗⩗ Agna be tbl&ka iv8e j`avo | 07 |
| | બ | 3aiKsk m3lrlyLsna fayr AlSPl ozn ]pr no& l qo. | 07 |

અથવા

| પ્રશ્ન–૪ | | | |
| | અ | qtrnak v8&8no inkal kel rltekrxo ? | 07 |
| | બ | qtrnak rsay`o bnavana karqanama>tmeAi2karl trlke tmarl frj kel rltebj avxo ? | 07 |

| પ્રશ્ન–૫ | | | |
| | અ | nvo Pl an naqtl vqtes l amtlna>kya>pgl a>l ea>tal no& l qo | 07 |
| | બ | fl8rlma>s l8l Ao l3 kel rltekrxo ? | 07 |

અથવા

| પ્રશ્ન–૫ | | | |
| | અ | [mj lsl Pl angna mdlAo ccoR | 07 |
| | બ | [mj lsl k3¥l sl8r kel rltetarr krxo ? | 07 |

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