

## P97/FHS206/EE/20160517

**Time : 3 Hours**

**Marks : 80**

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**Instructions :**

1. All Questions are Compulsory.
  2. Each Sub-question carry 5 marks.
  3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
  4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1. Solve any **four** sub-questions.
  - a) What is multiple effect of Hazardous chemical on human body? 5
  - b) Explain Threshold limit value. 5
  - c) Discuss nuclear cycle. 5
  - d) What are the methods of radiation protection? 5
  - e) Explain maximum allowable concentration. 5
  
2. Solve any **four** sub-questions.
  - a) What types of precautions are necessary for safety of wire ropes? 5
  - b) What are the harmful effects of Alpha, Beta and Gamma rays? 5
  - c) What do you understand by Dust Explosion? 5
  - d) What precautions you will take while working with conveyor Belt? 5
  - e) Discuss Film Badger? 5

3. Solve any **four** sub-questions.
- a) Discuss about Crain Chain Safety? 5
  - b) How do you provide emergency assistance to serious electrical shock affected worker? 5
  - c) Describe a circuit Breaker. 5
  - d) Discuss procedure of fire fighting in radiation affected area? 5
  - e) Write a note on Biological affected Radiation on human body. 5
4. Solve any **four** sub-questions.
- a) How many types of shock? 5
  - b) Discuss Shock treatment. 5
  - c) How do you control External Radiation? 5
  - d) Write initial procedure should be taken for decontamination by OIC? 5
  - e) Write the properties of Alpha Rays. 5

