

P97/FHS301/EE/20160519

Time : 3 Hours

Marks : 80

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.
-

1. Solve any **four** sub-questions.
 - a) What are the True elements of structure? Explain one of them. 5
 - b) Write type of door explain one of them. 5
 - c) What are the common ways of window opening? Explain casement window. 5
 - d) Explain means of escape of Temporary structure. 5
 - e) What are the criteria for test of elements of Building? 5
2. Solve any **four** sub-questions.
 - a) Write fire resistance property of wood. 5
 - b) What are the fire fighting arrangements required for Temporary structure? 5
 - c) Write electrical arrangement required in Temporary structure? 5
 - d) Explain importance of plan with methods of reading. 5
 - e) Draw the symbol for portable fire extinguishers. 5

3. Solve any **four** sub-questions.
- a) Why communication system is necessary for high efficiency of the operation? 5
 - b) Explain area to be covered for fire fighting. 5
 - c) What are the water source for fire fighting? 5
 - d) Write classification of pitched roof. 5
 - e) Write maintenance of Temporary structure. 5
4. Solve any **four** sub-questions.
- a) Describe operation of dry pipe system. 5
 - b) Discuss rate of rise and expansion of gases type heat detector. 5
 - c) Schematically explain working of obscuration type smoke detector. 5
 - d) Explain Alternate wet and dry FFFI. 5
 - e) What is mean by Automatic fire detection? Why it is mandatory as per NBC? 5

