

**NAFED Engineered Fire Suppression Systems
Technician Certification Exams
Question Reference
(Revised March 2020)**

The NAFED Engineered Fire Extinguishing Systems Technician Certification Exam is a 150 question exam based on: NFPA 11, *Standard for Low-, Medium-, and High-Expansion Foam*, **2016 Edition**; NFPA 12, *Standard on Carbon Dioxide Extinguishing Systems*, **2018 Edition**; **NFPA 12A**, *Standard on Halon 1301 Fire Extinguishing Systems*, **2018 Edition**; NFPA 17, *Standard for Dry Chemical Extinguishing Systems*, **2017 Edition**; NFPA 72, *National Fire Alarm and Signaling Code*, **2019 Edition**; NFPA 750, *Standard on Water Mist Fire Protection Systems*, **2019 Edition**; NFPA 2001, *Standard on Clean Agent Fire Extinguishing Systems*, **2018 Edition**; and *Fire and Fire Extinguishment*. The questions are derived from these publications only. The breakdown of the questions from the standards is as follows:

| NFPA 11 Foam Systems - 2016 Edition | | | |
|----------------------------------------------------------------------|-----------------------------|--------------------------|--------------------------|
| Chapter No. | Chapter Title | Questions in Bank | Questions in Exam |
| 1 | Administration | 1 | 1 |
| 3 | Definitions | 3 | 2 |
| 4 | System Components & Types | 8 | 4 |
| 5 | Low-Expansion System Design | 4 | 1 |
| 6 | Medium- & High Expansion | 8 | 4 |
| 9 | Installation Requirements | 2 | 2 |
| 11 | Testing and Acceptance | 3 | 2 |
| 12 | Maintenance | 3 | 2 |
| Annex | | 9 | 2 |
| Totals | | 41 | 20 |
| NFPA 12 Carbon Dioxide Extinguishing Systems - 2018 Edition | | | |
| Chapter No. | Chapter Title | Questions in Bank | Questions in Exam |
| 1 | Administration | 3 | 2 |
| 3 | Definitions | 12 | 5 |
| 4 | General Information | 83 | 15 |
| 5 | Total Flooding | 13 | 5 |
| 6 | Local Application | 8 | 4 |
| 7 | Hand Line Systems | 3 | 2 |
| Annex | | 5 | 2 |
| Totals | | 127 | 35 |
| NFPA 12A Halon 1301 Fire Extinguishing Systems - 2018 Edition | | | |
| Chapter No. | Chapter Title | Questions in Bank | Questions in Exam |
| 1 | Administration | 4 | 2 |
| 3 | Definitions | 2 | 1 |

| | | | |
|---------------|------------------------------------|-----------|-----------|
| 4 | Components | 11 | 4 |
| 5 | System Design | 6 | 3 |
| 6 | Insp., Maint., Testing, & Training | 9 | 3 |
| Annex | | 2 | 1 |
| Totals | | 34 | 14 |

NFPA 17 Dry Chemical Extinguishing Systems – 2017 Edition

| Chapter No. | Chapter Title | Questions in Bank | Questions in Exam |
|---------------|-----------------------------|-------------------|-------------------|
| 1 | Administration | 3 | 1 |
| 3 | Definitions | 7 | 2 |
| 4 | Components | 8 | 4 |
| 5 | System Requirements | 8 | 4 |
| 6 | Total Flooding Systems | 2 | 2 |
| 7 | Local Application Systems | 1 | 1 |
| 8 | Hand Hose Line Systems | 1 | 1 |
| 10 | Plans & Acceptance Tests | 3 | 2 |
| 11 | Insp., Maint., & Recharging | 9 | 4 |
| Annex A | | 4 | 2 |
| Totals | | 46 | 23 |

NFPA 72 National Fire Alarm & Signaling Code – 2019 Edition

| Chapter No. | Chapter Title | Questions in Bank | Questions in Exam |
|---------------|------------------------------------|-------------------|-------------------|
| 3 | Definitions | 4 | 3 |
| 10 | Fundamentals | 1 | 1 |
| 14 | Inspection, Testing, & Maintenance | 10 | 5 |
| 17 | Initiating Devices | 2 | 1 |
| 23 | Protected Premises Fire Alarm Sys | 2 | 1 |
| Annex A | | 4 | |
| Totals | | 23 | 12 |

NFPA 750 Water Mist Systems – 2019 Edition

| Chapter No. | Chapter Title | Questions in Bank | Questions in Exam |
|---------------|------------------------------|-------------------|-------------------|
| 1 | Administration | 2 | 1 |
| 3 | Definitions | 5 | 3 |
| 4 | General | 1 | 1 |
| 5 | System Components & Hardware | 4 | 2 |
| 7 | System Requirements | 1 | 1 |
| 8 | Installation Requirements | 3 | 2 |
| 14 | System Acceptance | 1 | 1 |
| 15 | System Maintenance | 1 | 1 |
| Totals | | 18 | 12 |

| NFPA 2001 Clean Agent Extinguishing Systems – 2018 Edition | | | |
|-------------------------------------------------------------------|------------------------------------|--------------------------|--------------------------|
| Chapter No. | Chapter Title | Questions in Bank | Questions in Exam |
| 1 | Administration | 5 | 2 |
| 3 | Definitions | 7 | 2 |
| 4 | Components | 19 | 7 |
| 5 | System design | 6 | 5 |
| 7 | Approval of Installation | 12 | 5 |
| 8 | Insp., Testing, Maint., & Training | 19 | 7 |
| Annex A | | 8 | 2 |
| Totals | | 75 | 30 |
| Fire and Fire Extinguishment: | | | |
| Questions in Bank | | Questions in Exam | |
| 6 | | 4 | |
| ESS Exam Totals | | | |
| Questions in Bank | | Questions in Exam | |
| 370 | | 150 | |