

Core Structure for UG B. Sc. [Fire & Safety] – CBCS Programme
REVISING SUBJECT AND SYLLABUS
IMPLEMENTATION-2015-16

IMPLEMENTATION-2015-16-Semester - I

Type of Course	Paper No.	Type of Paper	Credit
Elective Course (EC – I)	EC - 101	Fire Tender and Tools / Applied Mathematics/ Elementary Health & Safety	2
Foundation Course (FC-I)	FC – 101	General English	2
Core Course – 1 (CC – 1)	Paper-101	Applied Physics – 101	4
Core Course – 2 (CC – 2)	Paper-101	Applied Chemistry – 101	4
Core Course - 3 (CC – 3)	Paper-101	Fundamental of Fire– 101	4
Core Course – 1 (CC – 1)	*CC-1-Pract.-102	PRAC-PHY-102	3
Core Course – 2 (CC – 2)	*CC-2-Pract.-102	PRAC-CHE– 102	3
Core Course - 3 (CC – 3)	*CC-3-Pract.-102	PRAC-FF– 102	3
Total Credit			25

IMPLEMENTATION-2015-16-Semester – II

Type of Course	Paper No.	Type of Paper	Credit
Elective Course (EC – II)	EC – 102	Industrial Safety Management /Applied Electrical	2
Foundation Course (FC-II)	FC – 102	General English	2
Core Course – 1 (CC – 1)	Paper-103	Fire Fighting Equipment – 103	4
Core Course – 2 (CC – 2)	Paper-103	Mechanics of Solids & Town Planning – 103	4
Core Course - 3 (CC – 3)	Paper-103	Search & Rescue Techniques & Paramedics– 103	4
Core Course – 1 (CC – 1)	*CC-1-Pract.-104	PRAC-FFE– 104	3
Core Course – 2 (CC – 2)	*CC-2-Pract.-104	PRAC-MSTP – 104	3
Core Course - 3 (CC – 3)	*CC-3-Pract.-104	PRAC-RES&PARA– 104	3
Total Credit			25

IMPLEMENTATION-2016-17-Semester – III

Type of Course	Paper No.	Type of Paper	Credit
Elective Course (EC – II)	EC – 201	Safety in Docks & Ship Breaking Industry/Professional Growth in Safety Organization	2
Foundation Course (FC-II)	FC – 201	General English	2
Core Course – 1 (CC – 1)	Paper-201	Fire Protection Systems-201	4
Core Course – 2 (CC – 2)	Paper-201	Hydraulics & Pumps-201	4
Core Course - 3 (CC – 3)	Paper-201	Safety in Various Industries-201	4
Core Course – 1 (CC – 1)	*CC-1-Pract.-202	PRAC-FPS– 202	3
Core Course – 2 (CC – 2)	*CC-2-Pract.-202	PRAC-HY&P – 202	3
Core Course - 3 (CC – 3)	*CC-3-Pract.-202	PRAC-SVI– 202	3
Total Credit			25

IMPLEMENTATION-2016-17-Semester - IV

Type of Course	Paper No.	Type of Paper	Credit
Elective Course (EC – II)	EC – 202	Gujarat Factories Act & Rules/Auto Cad & Engineering Drawing & Fire Modeling	2
Foundation Course (FC-II)	FC – 202	General English	2
Core Course – 1 (CC – 1)	Paper-203	Safety Equipments & Documentation -203	4
Core Course – 2 (CC – 2)	Paper-203	Automobile Engineering-203	4
Core Course - 3 (CC – 3)	Paper-203	Fire Prevention & Protection - 203	4
Core Course – 1 (CC – 1)	*CC-1-Pract.-204	PRAC-SED-204	3
Core Course – 2 (CC – 2)	*CC-2-Pract.-204	PRAC-AE-204	3
Core Course - 3 (CC – 3)	*CC-3-Pract.-204	PRAC-FPS-204	3
Total Credit			25

IMPLEMENTATION-2017-18-Semester - V

Type of Course	Paper No.	Type of Paper	Credit
Elective Course (EC – II)	EC – 301	Industrial Hygiene & Occupational Health/Explosive, Radio Active Material & Communication	2
Foundation Course (FC-II)	FC – 301	General English	2
Core Course – 1 (CC – 1)	Paper-301	Special Fire Hazards-301	4
Core Course – 2 (CC – 2)	Paper-301	Salvage & Fire Accident Investigation-301	4
Core Course - 3 (CC – 3)	Paper-301	Combustion Products & its Effects on Life Safety-301	4
Core Course – 1 (CC – 1)	*CC-1-Pract.-302	PRAC-SFH-302	3
Core Course – 2 (CC – 2)	*CC-2-Pract.-302	PRAC-SFAI-302	3
Core Course - 3 (CC – 3)	*CC-3-Pract.-302	PRAC-CPS-302	3
Total Credit			25

IMPLEMENTATION-2017-18-Semester - VI

Type of Course	Paper No.	Type of Paper	Credit
Elective Course (EC – II)	EC – 302	Explosion & Fire Dynamics/Disaster Management	2
Foundation Course (FC-II)	FC – 302	General English	2
Core Course – 1 (CC – 1)	Paper-303	Fire Safety Risk Assessment & Management-303	4
Core Course – 2 (CC – 2)	Paper-303	Fire Safety Design-303	4
Core Course - 3 (CC – 3)	Paper-303	Health, Safety & Environment-303	4
Core Course – 1 (CC – 1)	*CC-1-Pract.-304	PRAC-FSRAM-304	3
Core Course – 2 (CC – 2)	*CC-2-Pract.-304	PRAC-SFD-304	3
Core Course - 3 (CC – 3)	*CC-3-Pract.-304	PRAC-HSE-304	3
Total Credit			25

