

SWAMI VIVEKANAND UNIVERSITY, SIRONJA SAGAR (M.P.)



SCHEME

For

BACHELOR OF TECHNOLOGY (B.Tech) FIRE & SAFETY ENGINEERING

Course Code : BTFS

Department of Fire & Safety Engineering

Faculty of Engineering

Duration of Course	: 4 Years
Examination Mode	: Semester
Examination System	: Grading

Swami Vivekanand University, Sironja Sagar (M.P.)
2014-2015



Swami Vivekanand University, Sagar (M.P.)

Scheme of Examination



Faculty of Engineering
Scheme of Course : B.Tech in Fire & Safety Engg.

Department : Fire & Safety Engineering
Course Code : BTFS

Semester/Year :- 3 Sem

S. No.	Subject Code	Subject	Periods per Week				Distribution of Marks								Grand Total (i) = (d)+(h)
			L	T	P	C	Theory		MST (c)	Total (d) = (a)+(c)	Practical		TW (g)	Total (h) = (e)+(f)	
							Max (a)	Min (b)			Max (e)	Min (f)			
1	BTFS-0301	Engineering Mathematics – III	3	1	-	4	80	25	20	100	-	-	-	-	100
2	BTFS-0302	Chemical Engineering-I	3	1	-	4	80	25	20	100	50	15	50	100	200
3	BTFS-0303	Fluid Mechanics & Fluid Flow Machines	3	1	2	6	80	25	20	100	50	15	50	100	200
4	BTFS-0304	Manufacturing Processes	3	1	2	6	80	25	20	100	50	15	50	100	200
5	BTFS-0305	Principles of Safety Management	3	1	2	6	80	25	20	100	-	-	-	-	100
6	BTFS-0306	Elements of Machine Drawing	-	-	2	2	-	-	-	-	50	15	50	100	100
7	BTFS-0307	Seminar	-	-	2	2	-	-	-	-	-	-	50	50	50
8	BTFS-0308	Machine Shop	-	-	2	2	-	-	-	-	-	-	50	50	50
Total ->			15	5	12	32	400		100	500	200	-	300	500	1000



Swami Vivekanand University, Sagar (M.P.)

Scheme of Examination



Faculty of Engineering
Scheme of Course : B.Tech in Fire & Safety Engg.

Department : Fire & Safety Engineering
Course Code : BTFS

Semester/Year :- 4 Sem

S. No.	Subject Code	Subject	Periods per Week				Distribution of Marks								Grand Total (i) = (d)+(h)
			L	T	P	C	Theory		MST (c)	Total (d) = (a)+(c)	Practical		TW (g)	Total (h) = (e)+(f)	
							Max (a)	Min (b)			Max (e)	Min (f)			
1	BTFS-0401	Environmental Engineering and Management	3	1	-	4	80	25	20	100	-	-	-	-	100
2	BTFS-0402	Chemical Engineering-II	3	1	2	6	80	25	20	100	50	15	50	100	200
3	BTFS-0403	Strength of Materials	3	1	2	6	80	25	20	100	50	15	50	100	200
4	BTFS-0404	Fire Engineering-I	3	1	2	6	80	25	20	100	50	15	50	100	200
5	BTFS-0405	Electrical Technology & Safety in Electrical System	3	1	2	6	80	25	20	100	50	15	50	100	200
6	BTFS-0406	First Aid and Emergency Procedures	-	-	2	2	-	-	-	-	-	-	50	50	50
7	BTFS-0407	Project Work	-	-	2	2	-	-	-	-	-	-	50	50	50
Total ->			15	5	12	32	400	-	100	500	200	-	300	500	1000



Swami Vivekanand University, Sagar (M.P.)

Scheme of Examination



Faculty of Engineering
Scheme of Course : B.Tech in Fire & Safety Engg.

Department : Fire & Safety Engineering
Course Code : BTFS

Semester/Year :- 5 Sem

S. No.	Subject Code	Subject	Periods per Week				Distribution of Marks								Grand Total (i) = (d)+(h)
			L	T	P	C	Theory		MST (c)	Total (d) = (a)+(c)	Practical		TW (g)	Total (h) = (e)+(f)	
							Max (a)	Min (b)			Max (e)	Min (f)			
1	BTFS-0501	Safety In Construction	3	1	2	6	80	25	20	100	50	15	50	100	200
2	BTFS-0502	Chemical Engineering-III	3	1	2	6	80	25	20	100	50	15	50	100	200
3	BTFS-0503	Principal of Engg. Design	3	1	2	6	80	25	20	100	50	15	50	100	200
4	BTFS-0504	Fire Engineering-II	3	1	2	6	80	25	20	100	50	15	50	100	200
5	BTFS-0505	Principles of Industrial Management	3	1	-	4	80	25	20	100	-	-	-	-	100
6	BTFS-0506	Seminar	-	-	2	2	-	-	-	-	-	-	50	50	50
7	BTFS-0507	Project Work	-	-	2	2	-	-	-	-	-	-	50	50	50
Total ->			15	5	12	32	400	-	100	500	150	-	350	500	1000



Swami Vivekanand University, Sagar (M.P.)

Scheme of Examination



Faculty of Engineering
Scheme of Course : B.Tech in Fire & Safety Engg.

Department : Fire & Safety Engineering
Course Code : BTFS

Semester/Year :- 6 Sem

S. No.	Subject Code	Subject	Periods per Week				Distribution of Marks								Grand Total (i) = (d)+(h)
			L	T	P	C	Theory		MST (c)	Total (d) = (a)+(c)	Practical		TW (g)	Total (h) = (e)+(f)	
							Max (a)	Min (b)			Max (e)	Min (f)			
1	BTFS-0601	Legal Aspects of Safety, Health and Environment	3	1	-	4	80	25	20	100	-	-	-	-	100
2	BTFS-0602	Chemical Process Safety	3	1	2	6	80	25	20	100	50	15	50	100	200
3	BTFS-0603	Process Instrumentation & Control Engineering	3	1	-	4	80	25	20	100	-	-	-	-	100
4	BTFS-0604	Fire Engineering-III	3	1	2	6	80	25	20	100	50	15	50	100	200
5	BTFS-0605	Occupational Health and Hygiene Management	3	1	2	6	80	25	20	100	50	15	50	100	200
6	BTFS-0606	Project Report	-	-	2	2	-	-	-	-	50	15	50	100	100
7	BTFS-0607	Minor Project-I	-	-	2	2	-	-	-	-	-	-	50	50	50
8	BTFS-0608	Seminar / Group Discussion	-	-	2	2	-	-	-	-	-	-	50	50	50
Total ->			15	5	12	32	400	-	100	500	200	-	300	500	1000



Swami Vivekanand University, Sagar (M.P.)

Scheme of Examination



Faculty of Engineering
Scheme of Course : B.Tech in Fire & Safety Engg.

Department : Fire & Safety Engineering
Course Code : BTFS

Semester/Year :- 7 Sem

S. No.	Subject Code	Subject	Period s per Week				Distribution of Marks								Grand Total (i) = (d)+(h)
			L	T	P	C	Theory		MST (c)	Total (d) = (a)+(c)	Practical		TW (g)	Total (h) = (e)+(f)	
							Max (a)	Min (b)			Max (e)	Min (f)			
1	BTFS-0701	Hazard Identification and Risk Assessment	3	1	2	6	80	25	20	100	50	15	50	100	200
2	BTFS-0702	Safety in Rail and Road Transport	3	1	-	4	80	25	20	100	-	-	-	-	100
3	BTFS-0703	Safety in Engineering Industry	3	1	-	4	80	25	20	100	-	-	-	-	100
4	BTFS-0704	Fire Engineering-IV	3	1	2	6	80	25	20	100	50	15	50	100	200
5	BTFS-0705	Elective-I	3	1	2	6	80	25	20	100	50	15	50	100	200
6	BTFS-0706	Industrial Hygiene Lab	-	-	2	2	-	-	-	-	-	-	50	50	50
7	BTFS-0707	Industrial Training	-	-	2	2	-	-	-	-	-	-	50	50	50
8	BTFS-0708	Minor Project- II	-	-	2	2	-	-	-	-	50	15	50	100	100
Total ->			15	5	12	32	400	-	100	500	200	-	300	500	1000

Elective-I

BTFS-0705(A) Automobile Engg. & Safety

BTFS-0705(B) Safety in Petroleum & Petrochemical Industry



Swami Vivekanand University, Sagar (M.P.)

Scheme of Examination



Faculty of Engineering
Scheme of Course : B.Tech in Fire & Safety Engg.

Department : Fire & Safety Engineering
Course Code : BTFS

Semester/Year :- 8 Sem

S. No.	Subject Code	Subject	Period s per Week				Distribution of Marks								Grand Total (i) = (d)+(h)
			L	T	P	C	Theory		MST (c)	Total (d) = (a)+(c)	Practical		TW (g)	Total (h) = (e)+(f)	
							Max (a)	Min (b)			Max (e)	Min (f)			
1	BTFS-0801	Human Factors Engineering	3	1	2	6	80	25	20	100	50	15	50	100	200
2	BTFS-0802	Disaster Management	3	1	-	4	80	25	20	100	-	-	-	-	100
3	BTFS-0803	Advanced Safety Engg. & Management	3	1	-	4	80	25	20	100	-	-	-	-	100
4	BTFS-0804	Elective -II	3	1	2	6	80	25	20	100	50	15	50	100	200
5	BTFS-0805	Seminar & group discussion	-	-	2	2	-	-	-	-	50	-	50	100	100
6	BTFS-0806	Major Project	-	-	10	10	-	-	-	-	200	60	100	300	300
Total ->			12	4	16	32	320	-	80	400	350	-	250	600	1000

Elective -II

BTFS-0804(A) Safety in Power Plant

BTFS-0804(B) Safety in Health Care Waste