

SEMESTER I (COMMON)													
CORE COURSES													
Course Code & Course		Theory Credits (Total Hours)	Practical Credits (Total Hours)	Teaching Hours Per Week		Examination Scheme							
						Theory Marks			Practical Marks				
				Theory/Tutorial	Practical	U/E	I/A	Total	U/E	I/A	Total		
AH 101	ANATOMY	2 (30)	2.5(75)	3	4	40	20	60	60	40	100		
AH 102	PHYSIOLOGY	2 (30)	2.5(75)	3	4	40	20	60	60	40	100		
AH 103	BIOCHEMISTRY	2 (30)	2.5(75)	3	4	40	20	60	60	40	100		
AH 104	ENGLISH	3 (45)	-	3	-	60	40	100	-	-	-		
ABILITY ENHANCEMENT ELECTIVE COURSE													
AEEC 105	PRINCIPLES OF NURSING	2 (30)	2.5(75)	3	4	40	20	60	60	40	100		
CORE ELECTIVE COURSES													
CEC 106	COMMUNICATION SKILLS*	2 (30)	-	2	-	60	40	100	-	-	-		
CEC 107	COMPUTER RELATED TO MEDICAL CARE **	1(15)	1 (30)	1	2	40	20	60	60	40	100		
1 theory credit = 15 classroom &/or experiential learning hours									1 practical credit = 30 practical training hours			Total Credit Points	25
Note : Students have chosen all subjects for studying in Semester I													

SEMESTER II COMMON)

CORE COURSES

Course Code & Course		Theory Credits (Total Hours)	Practical Credits (Total Hours)	Teaching Hours Per Week		Examination Scheme							
				Theory/ Tut/ Sem	Practical	Theory Marks			Practical Marks				
						U/E	I/A	Total	U/E	I/A	Total		
AH 201	MICROBIOLOGY	2 (30)	2 (60)	2	4	40	20	60	60	40	100		
AH 202	PATHOLOGY	2 (30)	2 (60)	2	4	40	20	60	60	40	100		
AH 203	PHARMACOLOGY	2 (30)	2 (60)	2	4	40	20	60	60	40	100		
AH 204	COMMUNITY MEDICINE	2 (30)	2 (60)	2	4	40	20	60	60	40	100		
ABILITY ENHANCEMENT ELECTIVE COURSE													
AEEC 205	ENVIRONMENT STUDIES	3 (45)	-	3	-	60	40	100	-	-	-		
CORE ELECTIVE COURSE													
CEC 206	HOSPITAL OPERATIONAL MANAGEMENT	2 (30)	2 (60)	2	4	40	20	60	60	40	100		
OR													
CEC 207	INTRODUCTION TO QUALITY AND PATIENT SAFETY	2 (30)	2 (60)	2	4	40	20	60	60	40	100		
1 theory credit = 15 classroom &/or experiential learning hours									1 practical credit = 30 practical training hours			Total Credit Points	23

B.Sc. (NEURO ELECTROPHYSIOLOGY TECHNOLOGY) SEMESTER III

CORE COURSE

Course Code & Course		Theory Credits (Total Hours)	Practical Credits (Total Hours)	Teaching Hours Per Week		Examination Scheme					
						Theory Marks			Practical Marks		
				Theory/Tutorial	Practical	U/E	I/A	Total	U/E	I/A	Total
ELPH 301	Basics of electronics concepts related to Neurophysiology	2 (30)	3(90)	2	6	60	20	80	80	40	120
ELPH 302	Neuro Anatomy	2 (30)	3(90)	2	6	60	20	80	80	40	120
ELPH 303	Neuro Physiology & Biochemistry	3 (45)	3(90)	2	6	60	20	80	80	40	120
ELPH 304	Neuro Radiology (Basics)	2 (30)	3(90)	2	6	60	20	80	80	40	120
ABILITY ENHANCEMENT ELECTIVE COURSE											
ELPH/A EEC 305	Biostatistics and research methodology	2 (30)		2		60	40	100			
OR											
ELPH/A EEC 306	Medical Records Managements	2 (30)		2		60	40	100			
1 theory credit = 15 classroom &/or experiential learning hours				1 practical credit = 30 practical training hours					Total Credit Points		23

B.Sc. (NEURO ELECTROPHYSIOLOGY TECHNOLOGY) SEMESTER IV

CORE COURSE

Course Code & Course		Theory Credits (Total Hours)	Practical Credits (Total Hours)	Teaching Hours Per Week		Examination Scheme					
						Theory Marks			Practical Marks		
				Theory/Tutorial	Practical	U/E	I/A	Total	U/E	I/A	Total
ELPH 401	Applied Neuro Pathology	3(45)	3(90)	2	6	60	20	80	80	40	120
ELPH 402	Basic of EEG	2(30)	3(90)	2	6	60	20	80	80	40	120
ELPH 403	Basics of EMG & NCV	2(30)	3(90)	2	6	60	20	80	80	40	120
ELPH 404	Patient care management and clinical care	2(30)	3(90)	2	6	60	20	80	80	40	120
ABILITY ENHANCEMENT ELECTIVE COURSE											
ELPH/AEEC 405	Organization Behavior	2 (30)		2		60	40	100			
OR											
ELPH/AEEC 406	Pursuit of Inner Self Excellence	2 (30)		2		60	40	100			
1 theory credit = 15 classroom & /or experiential learning hours				1 practical credit = 30 practical training hours					Total Credit Points		23

B.Sc. (NEURO ELECTROPHYSIOLOGY TECHNOLOGY) SEMESTER V

CORE COURSE

Course Code & Course		Theory Credits (Total Hours)	Practical Credits (Total Hours)	Teaching Hours Per Week		Examination Scheme					
						Theory Marks			Practical Marks		
				Theory/Tutorial	Practical	U/E	I/A	Total	U/E	I/A	Total
ELPH 501	Evoked potentials,	3(45)	3(90)	2	6	60	20	80	80	40	120
ELPH 502	Instrumentation of EEG	2(30)	3(90)	2	6	60	20	80	80	40	120
ELPH 503	Instrumentation of EMG & NCV	2(30)	3(90)	2	6	60	20	80	80	40	120
ELPH 504	Application of clinical neurophysiology & Assessment of Clinical Neurology	2(30)	3(90)	2	6	60	20	80	80	40	120
ABILITY ENHANCEMENT ELECTIVE COURSE											
ELPH/AEEC 505	Medical Bioethics	2 (30)		2		60	40	100			
OR											
ELPH/AEEC 506	Human rights Professional values	2 (30)		2		60	40	100			
1 theory credit = 15 classroom & /or experiential learning hours		1 practical credit = 30 practical training hours						Total Credit Points		23	

B.Sc. (NEURO ELECTROPHYSIOLOGY TECHNOLOGY) SEMESTER VI

CORE COURSE

Course Code & Course		Theory Credits (Total Hours)	Practical Credits (Total Hours)	Teaching Hours Per Week		Examination Scheme					
						Theory Marks			Practical Marks		
				Theory/ Tutorial	Practical	U/E	I/A	Total	U/E	I/A	Total
ELPH 601	Intra-operative neuro monitoring	3(45)	3(90)	2	6	60	20	80	80	40	120
ELPH 602	Neuro – Radiology Applied	2(30)	3(90)	2	6	60	20	80	80	40	120
ELPH 603	Clinical neurology	2(30)	3(90)	2	6	60	20	80	80	40	120
ELPH 604	EEG and EMG Machines and clinical practice	2(30)	3(90)	2	6	60	20	80	80	40	120
ABILITY ENHANCEMENT ELECTIVE COURSE											
ELPH/A EEC 605	Project related to electrophysiology technology	2 (30)		2		60	40	100			
1 theory credit = 15 classroom & /or experiential learning hours				1 practical credit = 30 practical training hours					Total Credit Points		23

