



लाल बहादुर शास्त्री पैरामेडिकल काउंसिल उत्तर प्रदेश

Head Office: 2nd Floor Sunil Complex Near RG PG College Meerut

Syllabus
EMERGENCY
&
TRAUMA
CARE
ASSISTANT

at the

LBSPC

Exam: June & December
(To be implemented from 2023-24 session)

LAL BAHADUR SHASTRI PARAMEDICAL COUNCIL

DIPLOMA IN EMERGENCY & TRAUMA CARE ASSISTANT

DURATION: 02 YEARS

Duration of training: 24 wks

Total No of periods available for training: 1152 pds

S.No.	CODE	SUBJECT	PHASE-I	PHASE-II	PHASE-III	TOTAL
			12 WKS	06WKS	07WKS	24WKS
1.	EN	Elementary Nursing	25			25
2.	AP	Anatomy & Physiology	17			17
3.	ME	Medical Equipment	25			25
4.	FA	First Aid	35			35
5.	ADM	Administration	14	18		32
6.	OE	Organization & Employment		12		12
7.	NBC	NBC Warfare	08			08
8.	DM	Disaster Management			14	14
9.	IT	IT Training	10		10	20
10	CC	Carriage of casualty	72	36	42	150
11	CM	Community Medicine			18	18
12	DR	Drill	72	36	42	150
13	PRACTICAL			636		636
14	DEMO		05		05	10

- 1 WK TERM BREAK AFTER COMPLETION OF PHASE-I
- Evening classes for ADM &OE FROM 1600hrs to 1700hrs during hospital phase.

SYLLABUS FOR E.T.C.A.

Duration of training - 24 WKS

No of Periods per Week - 48pds

Total No of periods Available for Training - 1152 pds

S No	LESSON CODE	SUBJECT	PHASE I (12 WKS)	PHASE II (6 WKS)	PHASE III (7 WKS)	Total
1.	DR	Drill	72	36	42	150
2.	CC	Carriage of Casualties	72	36	42	159
3.	EN	Elementary Nursing	25	-	-	25
4.	AP	Anatomy and Physiology	17	-	-	17
5.	ME	Medical equipment	25	-	-	25
6.	FA	First Aid	35	-	-	35
7.	ADM	Administration	14	18	-	32
8.	OE	Organisation & Employment	-	12	-	12
9.	NBC	NBC Warfare	08	-	-	08
10	DM	Disaster Management	-	-	14	14
11	IT	IT Training	10	-	-	10
12	CM	Community Medicine	-	-	18	18
13	DEMO	NBC Warfare	01	-	01	02
14	DEMO	Man Pack ADS	01	-	01	02
15	DEMO	Cas Evac	01	-	-	01
16	PRACTICAL		-	636	-	636
		Total Periods				1152

CARRIAGE OF CASUALTIES

S. No.	Lesson code	Lesson	Lecture	Practical	Demo
1.	CC-1	Introduction to carriage of casualties	01		
2.	CC-2	Principles of evacuation of casualties	01		
3.	CC-2	Different methods of carriage of casualties	01		
4.	CC-3	Carriage of casualties by one bearer		01	
5.	CC-4	Carriage of casualties by back to back position		01	
6.	CC-5	Carriage of casualties by human crutch and neck draw		01	
7.	CC-6	Carriage of casualties by fireman lift and carry position		01	
8.	CC-7	Carriage of casualties by two bearers		01	
9.	CC-8	Carriage of casualties by three hand seat		01	
10	CC-9	Carriage of casualties by four hand seat position		01	
11	CC -10	Carriage of casualties by four and half lift carry & human stretcher position		01	
12	CC -11	Introduction to stretcher		01	
13	CC -12	Sizing & Forming of stretcher Squad		01	
14				01	
15	CC -13	Collection piling and Carriage of stretcher and Blanket		01	
16	CC -14	Use of one Blanket for wrapping the Injured/ casualties		01	
17	CC -15	Use of Two Blanket for wrapping the casualties.		01	
18	CC -16	Use of three Blanket for wrapping the casualties.		01	
19	CC -17	Introduction to Improvisation of stretchers		01	
20	CC -18	Improvisation of stretcher by two poles and one blanket		01	
21	CC -19	Improvisation of stretcher by two pole and one ground sheet.		01	
22	CC -20	Improvisation of stretcher by two pole and shirts		01	
23	CC -21	Improvisation of stretcher by two pole and shirts.		01	
24	CC -22	Improvisation of stretcher by two pole and two empty sacks.		01	
25	CC -23	Improvisation of stretcher by two pole and		01	

		two line beddings/ ropes			
26	CC -24	Improvisation of stretcher by two poles and five web belts/nine web Anklets.		01	
27	CC -25	Improvisation of stretcher by two poles and split Bamboo pieces.		01	
28	CC -26	Loading stretcher and shoulder Carriage.		01	
29	CC -27	Changing bearers to shoulder carriage.		01	
30	CC -28	Loading stretcher and hand carriage.		01	
31	CC -29	Changing bearers to hand carriage.		01	
32	CC -30	Introduction to Mechanical transport used in Indian Army		01	
33	CC -31	Loading and unloading of casualties in Tata sumo Light Ambulance		01	
34	CC -32	Loading and unloading casualties in Mahindra light Ambulance		01	
35	CC -33	Loading and unloading of casualties in Swaraj Mazda 2.5 ton Ambulance.		01	
36	CC -34	Loading and unloading of casualties in TATA 2.5 ton Ambulance		01	
37	CC -35	Loading and unloading of casualties in 2 in ton G S (Truck)		01	
38	CC -36	Loading and unloading of casualties in 7.5 ton ALS (Truck)		01	
39	CC -37	Loading and unloading of casualties in Air Craft		01	
40	CC -38	Loading and unloading of casualties in ship		01	
41	CC-39	Evacuation of casualties from tank		01	
42	CC -40	Evacuation of casualties by Rail/Air/Sea.		01	
43	CC -41	Uses of stretcher sling		01	
44	CC -42	Introduction to Animal Transports		01	
45	CC -43	Introduction to Animal Carriage.		01	
46	CC -44	Care of Animals, Common Injuries and their prevention.		01	
47	CC -45	Loading and unloading drill on mules GS		01	
48	CC -46	Method of packing for Blanket pack		01	
49	CC -47	Loading of Oxygen(O ₂) Cylinder andPTG Boxes		01	
50	CC -48	Loading of Pakhal, Cooking utensils and oil cooker		01	
51	CC -49	Loading of Dry ration		01	
52	CC -50	Loading of Med store		01	
53	CC -51	Loading of regular and Irregular Sized Items		01	
54	CC -52	Loading of Thomas Splint		01	

55	CC -53	Loading of Day and Night Sign post.		01	
56	CC -54	Collection of wounded by squad of four bearers		01	
57	CC -55	Collection of wounded by squad of Two bearers		01	
58	CC -56	Collection of wounded by one bearers		01	
59	CC -57	Carriage of the wounded over wall or fence obstacles		01	
60	CC -58	Crossing a ditch with casualties		01	
61	CC -59	Evacuation of casualties over snow		01	
62	CC -60	Use of Basket stretcher		01	
63	CC -61	Uses of Orthopaedic/scoop stretcher		01	
64	CC -62	Carriage of cervical spine injury Casualties		01	
65	CC -63	Carriage of Abdominal Wound casualties		01	
66	CC-64	Carriage of chest injury casualties		01	
67	CC -65	Carriage of face wound casualties		01	
68	Cc -66	Carriage of Head injury casualties		01	
69	CC -67	Carriage of Femur bone fracture casualties		01	
70	CC -68	Use of Thomas Splint		01	
71	CC -69	Improvised Splint		01	
72	CC -70	Introduction to Improvised Raft		01	
73	CC -71	Improvisation of raft by eight stretcher and one Tarpaulin size 16' X 16'		01	
74	CC -72	Improvisation of raft by three empty Bard and two Bamboos.		01	
75	CC -73	Improvisation of raft by eight jurrricane and two Bamboos.		01	
76	CC -74	Crossing a water obstacle by Burma Bridge		01	
77	CC -75	Crossing a water obstacle by Flying Fox		01	
78	CC -76	Crossing a small River /Canal with casualties by basket stretcher		01	
79	CC -77	Carriage of casualties over a steep slope		01	
80	CC - 78	Carriage of casualties through a narrow mountain Path.		01	
81	CC -79	Carriage of casualties from FDL to RAP		01	
82	CC -80	Carriage of casualties from RAP to ADS		01	
83	CC -81	Carriage of casualties from ADS to FSC		01	
84	CC -82	Carriage of casualties from FSC to MH		01	
85	CC -83	Carriage of casualties from MH to Specialised centre		01	

ELEMENTARY NURSING

S No	Lesson code	Lesson	Lecture	Practical	Demo
1.	EN-1	Introduction to Nursing	01		
2.	EN-2	Hospital Admission, Discharge and Transfer Procedure	01		
3.	EN-3	Hospital Diets	01		
4.	EN-4	Hospital diets	01		
5.	EN-5	Feeding of Bed Patients	01	01	01
6.	EN-6	Bed Making : Summer bed		01	01
7.	EN-7	Bed Making : Winter bed		01	01
8.	EN-8	Bed Making : Post-operative		01	01
9.	EN-9	Bed Making : Occupied		01	01
10.	EN-10	Positions		01	01
11.	EN-11	Recording of Temperature, Pulse, Respiration		01	01
12.	EN-12	Recording of Blood Pressure		01	01
13.	EN-13	Personal, Hygiene : Sponge bath & Oral Care		01	01
14.	EN-14	Sterilization & Disinfection	01		
15.	EN-15	Nursing care of a Febrile Patient		01	
16.	EN-16	Medical and Surgical Hand washing		01	01
17.	EN-17	Ward Administration		01	
18.	EN-18	Nursing care of an Unconscious Patient		01	
19.	EN-19	Aseptic Procedure & Precaution	01		
20.	EN-20	Universal Safety Precaution	01		
21.	EN-23	Handling of Psychiatric/Disoriented Patient	01		
22.	EN-24	Nursing care of pediatric case		01	
23.	EN-25	Nursing care of geriatric case		01	
		Tests	03	03	

ANATOMY AND PHYSIOLOGY

S No	Lesson code	Lesson	Lecture	Practical	Demo
1.	AP-1	Introduction to anatomy	01		
2.	AP-2	Special sensory organs	01		
3.	AP-3	Skin: composition and function	01		
4.	AP-4	Water and electrolyte balance	01		
5.	AP-5	Visit to museum	01		01
6.	AP-6	Musculoskeletal System : Anatomy	01		
7.	AP-7	Musculoskeletal System : Applied Physiology	01		
8.	AP-8	Respiratory System : Anatomy	01		
9.	AP-9	Respiratory System : Applied Physiology	01		
10.	AP-10	Cardiovascular System : Anatomy	01		
11.	AP-11	Cardiovascular System : Applied Physiology	01		
12.	AP-12	Central Nervous System : Anatomy	01		
13.	AP-13	Central Nervous System : Applied Physiology	01		
14.	AP-14	Digestive System : Anatomy	01		
15.	AP-15	Digestive System : Applied Physiology	01		
16.	AP-16	Genitourinary System : Anatomy	01		
17.	AP-17	Genitourinary System : Applied Physiology	01		
18.		Test	01		

MEDICAL EQUIPMENT

S No	Lesson code	Lesson	Lecture	Practical	Demo
1.	ME-01	Introduction to Hospital Equipment	01		
2.	ME-02	Care and maintenance of equipment	01		

3.	ME-03	Introduction to Equipment Management	01		
4.	ME-04	Types of Equipments : Diagnostic and Therapeutic	01		
5.	ME-05	Diagnostic Equipment : ECG Machine	01		
6.	ME-06	Diagnostic Equipment : Thermometer	01		
7.	ME-07	Diagnostic Equipment : BP Apparatus	01		
8.	ME-08	Therapeutic Equipment : Oxygen Cylinder and Crash Cart	01		
9.	ME-09	Therapeutic Equipment : Nebulizer	01		
10.	ME-10	Hospital beds for patients	01		
11.	ME-11	Stores : Ordinance and Medical	01		
12.	ME-12	Repair of Equipments	01		
13.		Test	01		

FIRST AID

S No	Lesson code	Lesson	Lecture	Practical	Demo
1.	FA-01	Introduction to First Aid	01		
2.	FA-02	Definition and principles of first aid	01		
3.	FA-03	Golden rules of first aid	01		
4.	FA-04	Qualities of a first aider	01		
5.	FA-05	First aid kit contents and its uses	01		
6.	FA-06	First Field dressing and its application	01		
7.	FA-07	Shell dressing and its application	01		
8.	FA-08	Basic principles of emergency care and first aid	01		
9.	FA-09	Introduction to bandages and splints	01		
10.	FA-10	Bandaging fingers.		01	
11.	FA-11	Bandaging arm, forearm, hand		01	
12.	FA-12	Bandaging thigh, leg		01	
13.	FA-13	Bandaging jaws		01	
14.	FA-14	Bandaging head: Capelin bandage		01	
15.	FA-15	Bandaging of joints (Figure of 8 bandages)		01	
16.	FA-16	Triangular Bandages: uses		01	

17.	FA-17	Shock	01		
18.	FA-18	CPR		06	
19.	FA-19	Wounds and their Classification	01		
20.	FA-20	Chest wound and their first aid	01		
21.	FA-21	Abdominal wounds and their first aid.	01		
22.	FA-22	Sepsis and its control	01		
23.	FA-23	Hemorrhage: Causes, Effects and arrest of Hemorrhage	01	01	
24.	FA-24	First Aid During Emergency : Asphyxia, Electrocution, Drowning	01		
25.	FA-25	Smoke inhalation and carbon-monoxide poisoning	01		
26.	FA-26	Blast and Crush injuries	01		
27.	FA-27	Poisoning and its first aid.	01		
28.	FA-28	Fractures : Classification, First Aid	01		
29.	FA-29	First Aid of Dog bite, insects bite	01		
30.	FA-30	First Aid for common skin problems	01		
31.	FA-31	Burns and Scalds: Classification, First Aid	01		
32.	FA-32	Foreign Bodies	01	01	
33.	FA-33	Effects of Heat and Preventive measures	01		
34.	FA-34	Effects of Cold and Preventive measures	01		
35.	FA-35	Effects of High Altitude : First Aid and Preventive measures	01		
36.		Tests	03		

COMMUNITY MEDICINE

S No	Lesson code	Lesson	Lecture	Practical	Demo
1.	CM-1	Introduction to Community Medicine	01		
2.	CM-2	Personal Hygiene : Body bath	01		
3.	CM-3	Personal Hygiene : Oral Hygiene	01		
4.	CM-4	Personal Hygiene : Nails, Hair & Foot	01		
5.	CM-5	Hygiene & Sanitation of personnel line	01		
6.	CM-6	Hygiene & Sanitation of cook house	01		
7.	CM-7	Hygiene & Sanitation of Camp area	01		
8.	CM-8	Waste Disposal	01		
9.	CM-9	Water Sanitation	01		
10.	CM-10	Safe Water Supply	01		
11.	CM-11	Water Borne Diseases	01		
12.	CM-12	Air Borne Diseases	01		
13.	CM-13	Food Borne Diseases	01		
14.	CM-14	Fly Borne Diseases	01		
15.	CM-15	Malaria : Causes, Effects & Prevention	01		
16.	CM-16	Introduction to Communicable Diseases	01		
17.	CM-17	Measles & Mumps: Causes, Effects & Prevention	01		
18.	CM-18	Diphtheria: Causes, Effects & Prevention	01		
19.	CM-19	Tetanus: Causes, Effects & Prevention	01		
20.	CM-20	Tuberculosis: Causes, Effects, Prevention & Treatment	01		
21.	CM-21	Immunization	01		
22.	CM-22	STD : Causes, Effects & Prevention	01		
23.	CM-23	AIDS : Causes, Effects & Prevention	01		
24.	CM-24	Hepatitis : Causes, Effects & Prevention	01		
25.	CM-25	Maternal & Child Health	01		
26.	CM-26	WHO	01		
27.	CM-27	Geneva Convention	01		

28.	CM-28	Sanitation in Unit Lines Camp Demo Area	01		
29.	CM-29	Disinfection of Common Items in Hospital Use	01		
30.	CM-30	Composition of Food and Balance Diet	01		
31.	CM-31	Hygiene and Sanitation at High Altitude	01		
32.	CM-32	Demography of Population Explosion in India and Its Effects	01		
33.		Test	01		

ADMINISTRATION

S No	Lesson code	Lesson	Lecture	Practical	Demo
1.	ADM-1	Introduction to Administrative Duties	01		
2.	ADM-2	Red Cross	01		
3.	ADM-3	Red Cross	01		
4.	ADM-4	Office Administration	01		
5.	ADM-5	Office Administration	01		
6.	ADM-6	Types of Ration : Ors and JCOs	01		
7.	ADM-7	Types of Ration : Ors and JCOs	01		
8.	ADM-8	Duties of Night Sentries	01		
9.	ADM-9	Duties of Night Sentries	01		
10.	ADM-10	Duties of Office Runners	01		
11.	ADM-11	Fire Fighting	01		
12.	ADM-12	Fire Fighting	01		
13.	ADM-13	Pay and Allowances	01		
14.	ADM-14	Pay and Allowances	01		
15.	ADM-15	Hospital Staff-Patient relationship	01		
16.	ADM-16	Part - II Orders	01		
17.	ADM-17	FRW & CV	01		
18.	ADM-18	Clothing and entitlements	01		
19.	ADM-19	Clothing and entitlements	01		
20.	ADM-20	Free Orderly Room Procedure	01		
21.	ADM-21	Types of Court Martial	01		
22.	ADM-22	Types of Court Martial	01		
23.	ADM-23	Prospectus in Army	01		
24.	ADM-24	Grants (ATG, I&M and, Amenity)	01		
25.	ADM-25	Grants (ATG, I&M and, Amenity)	01		
26.	ADM-26	Introduction to Security	01		
27.	ADM-27	Security of Personnel	01		
28.	ADM-28	Security of Material	01		
29.	ADM-29	Security of Information	01		
30.	ADM-30	Cyber Security	01		
31.	ADM-31	Telephone Security	01		
32.		Test	01		

ORGANISATION AND EMPLOYMENT

S No	Lesson code	Lesson	Lecture	Practical	Demo
1.	OE-1	History, Organization & Functions of Medical Units	01		
2.	OE-2	History, Organization & Functions of Medical Units	01		
3.	OE-3	Medical Units in PE	01		
4.	OE-4	Medical Units in PE	01		
5.	OE-5	Medical Units in WE	01		
6.	OE-6	Medical Units in WE	01		
7.	OE-7	Field Hospitals	01		
8.	OE-8	Para Field Hospitals	01		
9.	OE-9	Standard Field Hospitals	01		
10.	OE-10	Corps Field Hospitals	01		
11.	OE-11	Military Hospital, General Hospital, Base Hospitals	01		
12.	OE-12	RAP Sitting and Layout	01		
13.	OE-13	ADS Sitting and Layout	01		
14.	OE-14	FSC Sitting and Layout	01		
15.	OE-15	Chain of Evacuation of Casualties]	01		
16.	OE-16	Combat Stress Management	01		
17.	OE-17	Motivation and Team Work	01		
18.	OE-18	Human Rights and aid to civil (IS duties)	01		
19.	OE-19	Hospital Waste management	01		
20.	OE-20	Carrier Prospects in Army Medical Corps	01		
21.	OE-21	ECHS	01		
22.	OE-22	Resettlement Courses	01		
23.	OE-23	Entitlements of Pensioners	01		
24.		Test	01		

NBC

S No	Lesson code	Lesson	Lecture	Practical	Demo
1.	NBC-1	Introduction to NBC	01		
2.	NBC-2	Phenomenon of Nuclear	01		

		Explosion			
3.	NBC-3	Types of Bursts and Its Effects	01		
4.	NBC-4	Thermal and Radiation effects	01		
5.	NBC-5	Different agents in Biological Warfare	01		
6.	NBC-6	Med Aspects Of Biological Warfare	01		
7.	NBC-7	Detection, Sample and identification	01		
8.	NBC-8	Chemical agents classification	01		
9.	NBC-9	Effects of Different Chemical agents	01		
10.	NBC-10	NBC Presentation			01
11.		Test	01		

DISASTER MANAGEMENT

S No	Lesson code	Lesson	Lecture	Practical	Demo
1.	DM-1	Introduction to Disaster Management	01		
2.	DM-2	Principles of Emergency Management of Casualties	01		
3.	DM-3	Health Care at Disaster site	01		
4.	DM-4	Principles of transportation and evacuation of casualties	01		
5.	DM-5	Documentation	01		
6.	DM-6	Concept of Triage	01		
7.	DM-7	Disaster aftermath and rehabilitation	01		
8.	DM-8	Universal precautions	01		
9.	DM-9	Role of other agencies in disaster	01		
10.	DM-10	Role specific to trade	01		
11.	DM-11	Communication and public relations	01		
12.	DM-12	Security aspects	01		
13.	DM-13	NBC Component of Disaster Management	01		
14.	DM-14	NBC Component of Disaster Management	01		
15.		Test	01		

IT TRG.

S No	Lesson code	Lesson	Lecture	Practical	Demo
1.	IT-1	Introduction to Computer	01		
2.	IT-2	Types of Computers	01		
3.	IT-3	Protection of Computers : Virus & Anti-Virus	01		
4.	IT-4	Software & Hardware	01		
5.	IT-5	Input & Output Devices	01		
6.	IT-6	Keyboard Shortcuts & its Applications	01		
7.	IT-7	MS Office : Introduction	01		
8.	IT-8	MS Word	01	01	
9.	IT-9	MS Excel	01	01	
10.	IT-10	MS PowerPoint	01	01	
11.	IT-11	Installation of Printers & Printing of Documents	01		01
12.	IT-12	Storage devices	01		
13.	IT-13	Networking : Introduction	01		
14.	IT-14	Networking : Types and Functions	01		
15.	IT-15	Common Trouble shooting of Computer	01		
16.		Test	01		