

04 Weeks

SYLLABUS OF SHOOTING SKILL COURSE

Approved by SDG (Trg.) on 24/04/19

SHOOTING SKILL COURSE

BLOCK TIME TABLE

1.	Duration	04 weeks
2.	No. of working day in a week	06 days
3.	Total No. of working days	6X4 = 24 days
4.	No. of periods / day	8 Periods
5.	Total No of periods (Day)	8X 24=192+15 periods IP=207 periods
6.	Total No of periods (Night)	39 periods
7.	Total Periods	246 Periods

Note:

Spare time before breakfast and during game period will be utilized for musketry / IP on daily basis. Emphasis should be given on firing specific physical training i.e. hand grip, rifle holding, breathing exercise etc.

BLOCK SYLLABUS

S/No	CODE REF.	SUBJECT	Lecture	IP/ Demo	Practice	Night	TOTAL
1.	MIS	Musketry and IFATS/ SATS	01	-	03	-	04
2	CT	Theory of Small Arms & Normal group	02	02	-	-	04
3.	SE	Principles of good shooting/ marksmanship	06	07	07	--	20
4.	SK	Zeroing (Theory & Method)	02	02	02	--	06
5.	FMT	Firing on Moving Target	02	02	-	--	04
6.	FS	Firing under Stress	--	02	02	--	04
7.	EL	Effect of light, temp., & humidity on firing	1	1	-	--	02
8.	JD	Judging distance (Range finder)	01	01	-	-	02
9.	TS	Telescopic sight & Night Sights	01	-	-	01	02
10.	FRG	Firing	--	--	108	24	132
11.	MAINT	Maintenance of Weapon	-	-	06	-	06
12.	MISC	Opening & Closing	-	--	02	--	02
13.	TEST	Test/Examination	--	--	20	08	28
14.	IP	Instructional Practice	--	--	24	06	30
		GRAND TOTAL	16	17	174	39	246

1. **Total 420 rounds for each firer and 95 rounds for Final Test.**
2. ABCDEFG range drills including shooting skills training should be followed at firing range.
3. Zeroing practice will be done during firing.
4. 30 rounds per firer will be kept as Instructor's reserve for weak firers.
5. **FIRING with left shoulder should also be included.**
6. **FIRING under various improvised covers.**
7. **Fire and move tactics should also be followed during firing.**

Snap Shooting*-Firer remains in ready position (weapon loaded) and rifle aiming down. On command 'Fire!', firer takes weapon to the shoulder, aims and fires. The target appears for 04 seconds and disappears for 05 seconds respectively. Number of exposures is equal to number of rounds to be fired.

Firing Under Stress**-Firer remains at 300 yards firing point , on command Fire, firer runs up to 70yards firing point, clearing various obstacles and loads the weapon, cocks and fires on the target.(Magazine to be kept loaded at 70yards firing point.)

Firing On Moving Target***-Firer remains in ready position at the firing point with weapon loaded and on command Fire, the target moves from left to right or vice versa at a stretch of 15-25ft and the firer engages the target.10 seconds are given to fire 03 Rds.

IFATS/SATS to be used as correctional measure for weak firers.

A) MUSKETRY/THEORY OF SMALL ARMS (08 PDS)

S/No	CODE REF.	SUBJECT	L	D	P	N	TOTAL
1	MIS-1	MUSKETRY & ITS IMPORTANCE	1	-	-	-	01
2.	MIS -2-4	IFATS/SATS	-	1	2	-	03
3	MIS-5-6	Theory of Small Arms	1	1	-	-	02
4	MIS-7-8	Normal group	1	1	-	-	02
		Total	3	3	2	-	08

B) PRINCIPAL OF GOOD SHOOTING (20 PDS)

S/No	Code ref.	SUBJECT	L	D	P	N	TOTAL
1	SK-1	DETERMINING THE MASTER EYE	-	1	-	-	1
2	SK-2-3	VARIOUS FIRING POSITIONS	-	1	1	-	2
3	SK-4-8	FUNDAMENTALS OF ACCURATE FIRING (HAT)	1	2	2	-	5
4	SK-9-11	PERFECT SHOOTING SEQUENCE	1	1	1	-	3
5	SK-12-17	MAJOR SHOOTING MISTAKES AND THEIR CORRECTIVE MEASURES	2	2	2	-	6
6	SK-18	ARCF	1	-	-	-	1
7	SK-19-20	RANGE CARD	1	-	1	-	2
		TOTAL	06	07	07	-	20

C) CRAFT AND TACTICS (20 PDS)

S/No	Code ref.	SUBJECT	L	D	P	N	TOTAL
1.	SE-1-6	Zeroing (Theory & Method)	2	2	2	-	06
2.	FMT-7-10	Firing on Moving Target	2	2	-	-	04
3.	FS-11-14	Firing under Stress	-	2	2	-	04
4.	EL-15-16	Effect of light, temp, wind, uphill/downhill, & humidity on firing	1	1	-	-	02
5.	JD-17-18	Judging distance (Range finding)	1	1	-	-	02
6.	TS-19-20	Telescopic Sight & Night Sights	1	-	-	1	02
		Total	07	08	04	01	20

D) FIRING -132 PDS (firing with left shoulder also)

S/No	CODE REF.	SUBJECT	Day	Night	TOTAL	Rounds
1.	FRG-1-17	5.56 mm Insas Rifle Firing from 100 Mtrs (Zeroing +firing+ Grouping) Lying supported (zeroing fm 50 m)	13	4	17	5x6=30
2	FRG-18-34	5.56 mm Insas Rifle Firing from 100 Mtrs (Kneeling, Standing, Snap shooting & Night Fire)	13	4	17	10+10+10+5=35
3.	FRG-35-51	5.56 mm Insas Rifle Firing from 200 Mtrs (Lying supported, Lying unsupported, Kneeling, Standing)	13	4	17	Lying sup=5x2 Lying unsup=5x2 Kneeling=5x2 Standing=5x2 (40)
4.	FRG-52-58	5.56 mm Insas Rifle Firing from 300 Mtrs (Lying unsupported)	07	0	07	Lying unsup=5x2 Standing=5x4 (30)

5.	FRG-59-62	5.56 mm Insas Rifle Firing from 300 Mtrs (with telescope)	04	0	04	5x4 (20)
6.	FRG-63.-66	5.56 mm Insas Rifle Firing from 400 Mtrs (with telescope)	04	0	04	5x4 (20)
7.	FRG-67-73	5.56 mm Insas LMG Firing from 200 Mtrs (Zeroing +firing)	07	0	07	5x4+10 (30)
8.	FRG-74-80	5.56 mm Insas LMG Firing from 300 Mtrs	07	0	07	5x4 (20)
9.	FRG-81-92	7.62X39 mm AKM/AK-47 firing from 100 Mtrs (Zeroing +firing+ Grouping) Lying supported (zeroing fm 50 m)	08	4	12	5x4+10 (30)
10.	FRG-93-104	Insas Rifle/AKM/AK-47 firing from 50 Mtrs (Kneeling, Standing, Hip position & Night Fire)	08	4	12	<ul style="list-style-type: none"> • Kneeling (Head shot) =5x4, • Standing (Reflex Shooting) =5x3, • Hip Position (Quick Direc.) =5x3, • Night=5, Total = 55 Rds.
11.	FRG-105-112	7.62X39 mm AKM/AK-47 firing from 200 Mtrs (Lying unsupported, Kneeling, Standing)	08	0	08	Lying unsup=5 Kneeling=5x2 Standing=5x3 (30)
12.	FRG-113-124	Firing under stress standing (300-70 mtrs) from personal weapon	08	4	12	10x4 (40)
13.	FRG-125-132	Firing on Moving Target from personal weapon (50 mtrs & 100 mtrs)	08	0	08	5x8 (40)
Grand Total			108	24	132	420

E. INSTRUCTIONAL PRACTICE (30 PDS)

S/No	CODE REF.	SUBJECT	Day	Night	TOTAL
1.	IP-1/30	IP	24	06	30

F. MISC. (36 PDS)

S/No	CODE REF.	SUBJECT	Day	Night	P	TOTAL
1.	Misc-1/2	Opening & Closing	2	-	-	02
2.	Maint.3-8	Maintenance of Weapon	6	-	-	06
3.	Test -9-36	Test/Examination IP of shooting skills Test firing of AKM, INSAS, LMG	20	8		28

		Performance in ARCF by INSAS Rifle to be given appropriate marks.				
			28	08	-	36
Subtotal (f)						36
Grand Total (a+b+c+d+e+f) =						08+20+20+132+30+36 = 246
207 day periods + 39 Night Periods						246 Periods

REQUIREMENT OF AMMUNITION PER FIRER

S/No	Nomenclature	Qty. requirement
1.	5.56 mm INSAS Rifle/LMG ammn	225 Rds
2.	7.62X39 mm AKM/AK-47 ammn	115 Rds
3.	Rounds for personal weapon (INSAS / AK-47)	80 Rds
4.	Personal weapon (INSAS / AK-47) for ARCF during final test	95 Rds of the concerned weapon
	TOTAL	515 rounds

TEST POLICY FOR SHOOTING SKILL COURSE

(FINAL TEST WILL BE CONDUCTED ON THE LAST TWO DAYS OF THE COURSE)

1. Final test (400 marks)
 - a) Indoor test (100 marks-Written Test)
 - b) Outdoor test (300 marks)
 - 1) Firing assessment- 200 marks
 - 2) IP Test -100 marks

FINAL TEST FOR SHOOTING SKILLS COURSE						
Sl. NO	PRACTICE	Practice	RDS	MxM	Scoring Pattern	Remarks
1	Test fire INSAS Rifle/AK-47 100 mtrs Lying supported (4x4 Tgt)	Grouping	05	20	1"-4"- 20 Pts, Above 4" – 15 Pts, above 8" – 10 Pts, Above 12" – W/O	As per S/O – 9/2011 for ARCF
2	INSAS Rifle/AK-47 100 mtrs Lying unsupported (Fig.12 Tgt)	Snap shooting	05	10	02 Pts/Hit	As per S/O – 9/2011 for ARCF
3	INSAS Rifle/AK-47 50 mtrs hip position (Fig.11 Tgt)	Quick directional	05	10	02 Pts per hit in the rectangle and 01 Pt for outside the rectangle	As per S/O – 9/2011 for ARCF
4	INSAS Rifle/AK-47 50 mtrs Standing position (Fig. 11 Tgt)	Reflex shooting	05	10	02 Pts per hit in the rectangle and 01 Pt for outside the rectangle	As per S/O – 9/2011 for ARCF
5	INSAS Rifle/AK-47 50 mtrs Kneeling position (Disc. Tgt)	Head shot	10	20	02 Pts/Hit	As per S/O – 9/2011 for ARCF
6	INSAS Rifle/AK-47 (100-50 mtrs) Standing position (Fig. 11 Tgt)	Fire and move	05	10	02 Pts per hit in the rectangle and 01 Pt for outside the rectangle	As per S/O – 9/2011 for ARCF
7	INSAS Rifle/AK-47 50 mtrs Standing position (Fig. 11 Tgt)	Moving Tgt.	05	10	02 Pts per hit in the rectangle and 01 Pt for outside the rectangle	As per S/O – 9/2011 for ARCF
8	INSAS Rifle/AK-47 50 mtrs Lying supported position (Fig. 11 Tgt)	Night fire	10	20	02 Pts/Hit	As per S/O – 9/2011 for ARCF

9	Fire under Stress with personal weapon 300-70 mtrs	Under Stress	10	20	02 Pts per hit in the rectangle and 01 Pt for outside the rectangle.	a) Fire r will stand in alert position at 300 mtrs fm. the target with loaded rifle. b) On the order 'Fire', firer runs to 70 mtrs, cocks his rifle, aims and fires.
10	5.56 MM Insas Rifle – 200 mtrs, Lying supported (Fig. 11 Tgt)	Snap Shooting	10	20	02 Pts/Hit	As per S/O – 9/2011 for ARCF
11	5.56 MM Insas Rifle – 300 mtrs, Lying supported (Fig. 11 Tgt)	Reflex shooting	10	20	02 Pts per hit in the rectangle and 01 Pt for outside the rectangle	As per S/O – 9/2011 for ARCF
12	Insas LMG – 200 mtrs, Lying supported (Fig. 11 Tgt)	Snap Shooting	10	20	02 Pts/Hit	As per S/O – 9/2011 for ARCF
13	Insas LMG – 200 mtrs, Lying supported (Disc. Tgt)	Head shot	10	20	02 Pts/Hit	As per S/O – 9/2011 for ARCF
14	Insas LMG – 300 mtrs, Lying supported (Fig. 11 Tgt)	Reflex Shooting	10	20	02 Pts per hit in the rectangle and 01 Pt for outside the rectangle	As per S/O – 9/2011 for ARCF
15	Insas LMG – 300 mtrs, Lying supported (Fig. 11 Tgt)	Moving tgt	10	20	02 Pts per hit in the rectangle and 01 Pt for outside the rectangle	As per S/O – 9/2011 for ARCF
Total (Shooting)			120 Rds	250		
Written Exam				100		
IP Test for teaching Shooting Skills				50		
1. Fundamentals of shooting- HAT			-05 Mks			
2.Sight alignment, Master eye			-05 Mks			
3.Sight picture			- 05 Mks			
4.Trigger operation			- 05 Mks			
5.Identification of errors			- 05 Mks			
6.Corrective exercises			- 05 Mks			
7.Use of SATS/IFATS			- 05 Mks			
8.Differences in LMG, Rifle and AKM in shooting techniques			- 05 Mks			
9. stoppages –Roken door karna			- 05 Mks			
10.Use of range card			- 05 Mks			
G/Total				400		

***Firing test will be taken by the Board of Officers detailed for final test.**

Test will be conducted by Internal board with composition as under:-

Presiding Officer : Commandant
Member – I : Dy. Commandant
Member – II : Asstt. Commandant
Member – III : Inspector or Sub Inspector (GD)

Passing marks for Shooting Skill Course - Minimum 50 %

Passing marks for written Paper - Minimum 50 %

Passing marks for outdoor - Minimum 50%.

Grading pattern -

Candidates will be graded as D, A, B, C, for written paper (100 Marks) and I, X, Y, Z for outdoor (300 Marks – IP + Performance in firing).` 1

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**AS PER TRG-7 (TRG DTE) SIGNAL NO C.IX.115/2018-TRG-7 DTD
11/07/2018 THE INTERNAL BOOs FOR FINAT TEST WILL BE AS:-**

P.O.- Comdt/Senior most available DC

Member-I- DC/AC

Member-II Insp/SI

