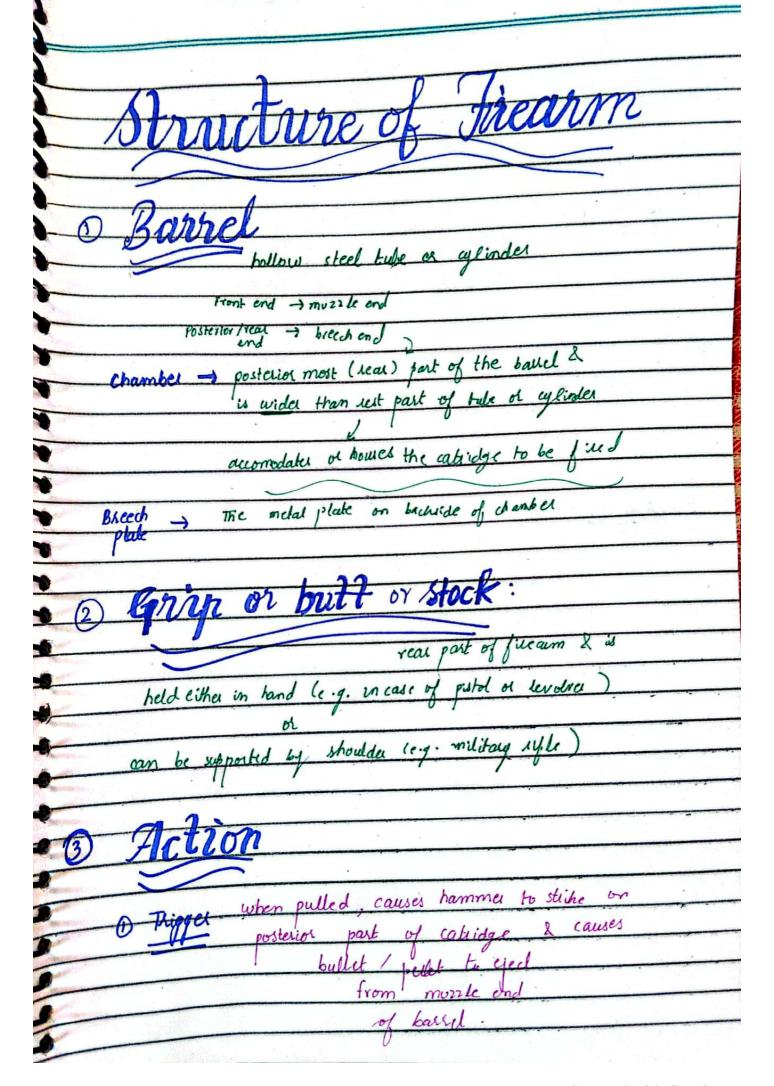
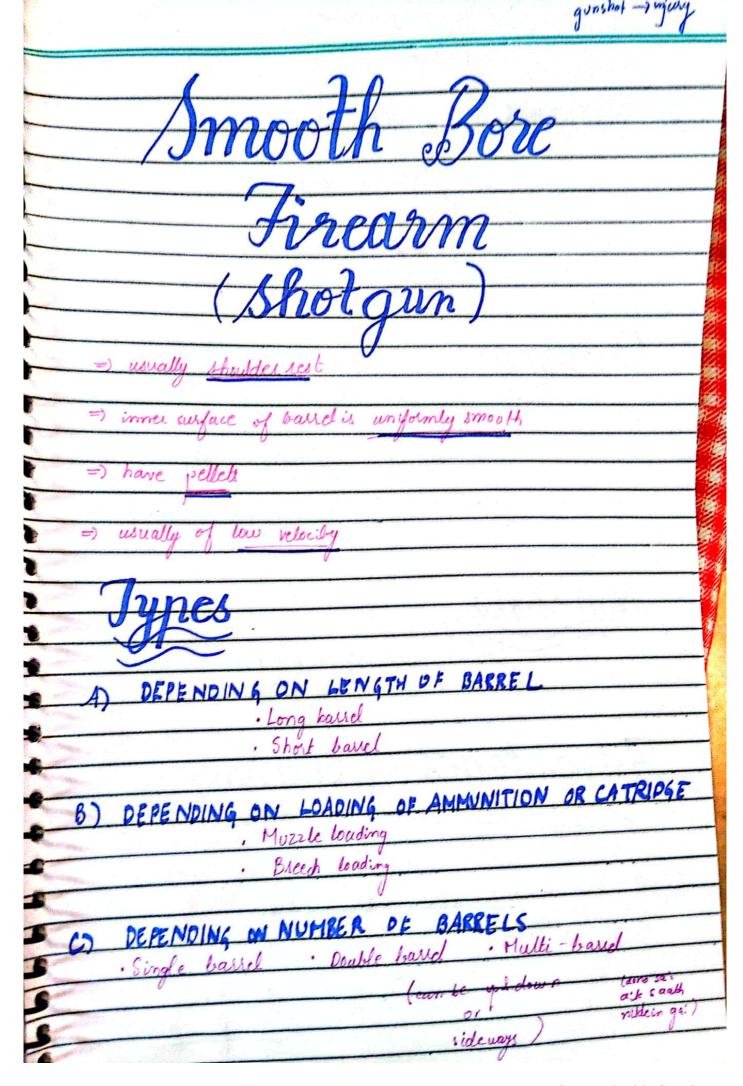


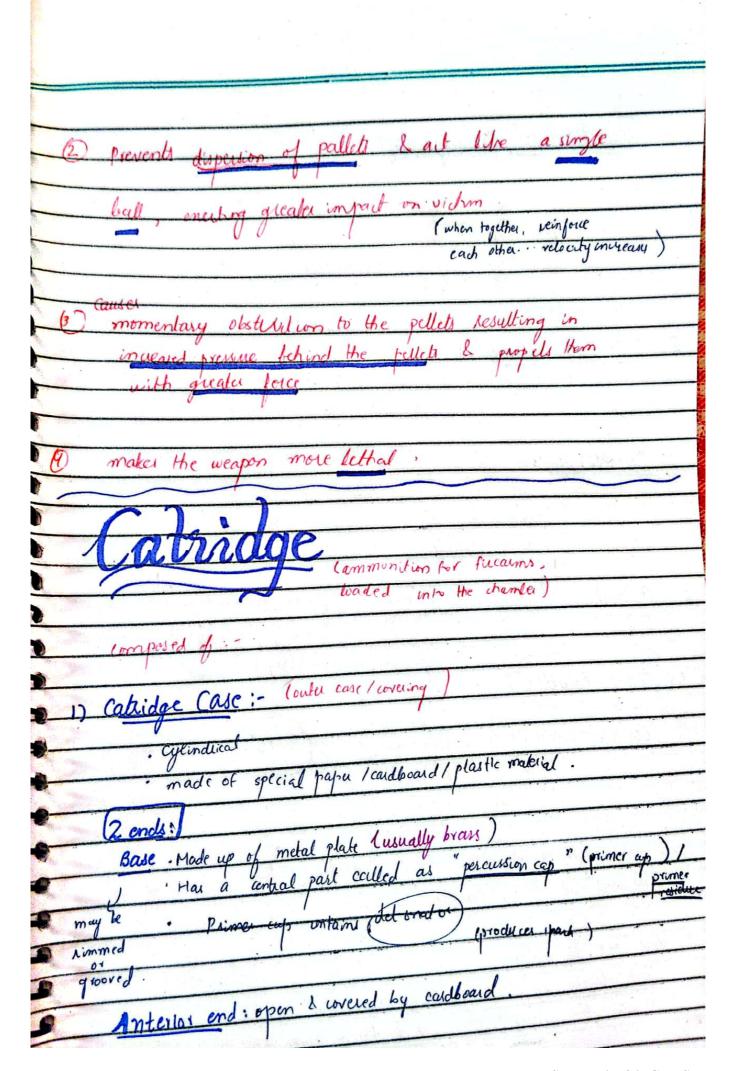
3. Terminal (wound) 1. 11:11:11 and investigation	a stadued on
3. Terminal (wound) ballistics: study of injurie	e peraucio
taget by fieam.	
Classification:	
Cousin aucour.	
AS AAAAMaaaa	
A) ACCORDING TO CONDITION OF BARREL	<b>\</b>
(innel surface of	ballel is seen )
1. 5 mooth bose filearm (shotgun)	guege / pore
	inner Jum
2. Rifled filearm	riameter of band (41)
THESE if inner surface has spiral grooves	
mainly	
enuse 3. Air guns for birds etc.	
HIDPLANS IN	
4. Stut gans :- to five nails, stute che	
usually not to insect in skeel	
used to produce (used by medanics)	. Valuado en julio 1
injuries on human body	
and the second s	
B. ACCORDING TO MUZZLE VELOCITY	( speed of projectile when if
	leaves muzik end)
1. Low velocity (upto 1200 ft/s)	- 201121-45.0 ···
d e.g. sevolver publ.	
	Haller American
2. Medium velocity (b/w 1200 = 2500 Ft/s)	
3. High velocity (>3000 ft /s)	had assessed to a little
eg. machine gun	Assistant San



	Filing pin
	personates breed plate
	to come inside
(2) Trigger guard	
	metallie kim.
	to prevent accidental fiting.
3 Boll: (Block	
	present towards breed end of bassel)
interporal	es the fuingpin + spring & trigger
	The spring of th
( C)	
9) Striker or hamm	nei:
	to device and to the train
	it posterior part of chamber,
with a 1	buinted pin (filing pin) & aspring
Markenson	
Mechanism: Tr	igger is pulled,
spring	action causes to move hammer
	Contract of the second
Fuin	y pin protudes into 11.
	of pin protudes into the damber.  (from the central hote of breech place)
I wing p	in strikes the base of catridge
The second second	
Stilling p	roduces heat & igniles primer present in calledge
	pront in called ge



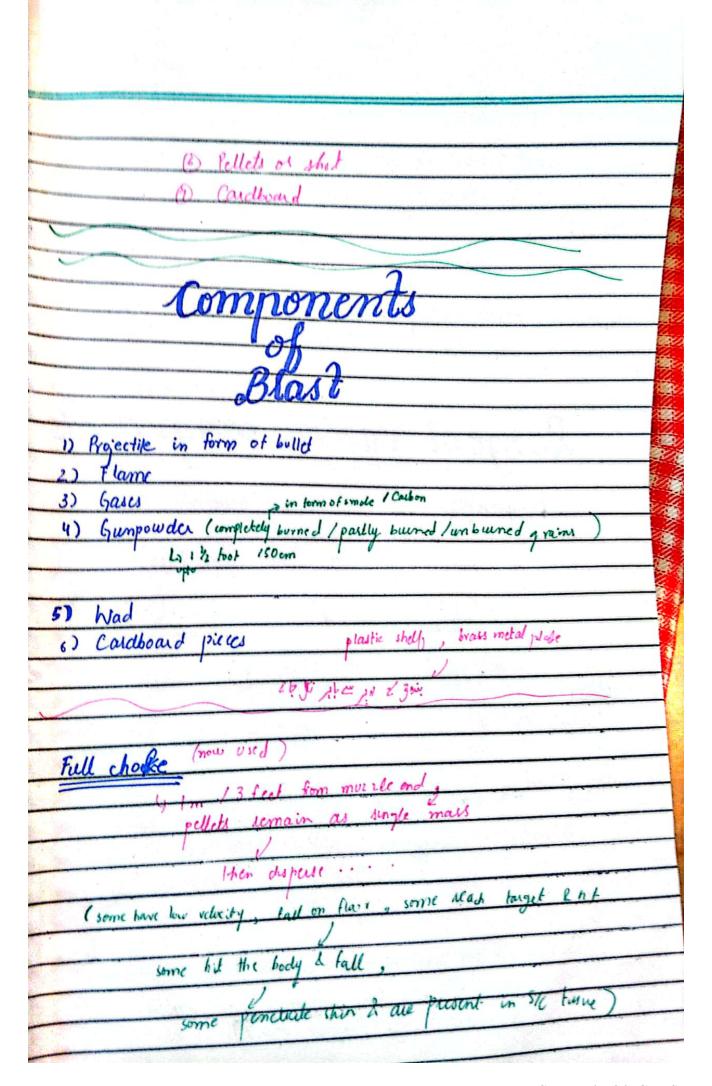
PURPOSE: - OWNER gun
1 Which calidge
1 which ganpowder
D Distance 1/w weapon & pasm.
D) DEPENDING ON CHOKING OF BARREL:
Full choked
· Three quarta choked
· Half choked
· Quarter chosed
· Non-choded
Choking:
" when the terminal put of muzzle
l constilled, it is called chaking."
& constituted it is called chaping."
Maximum constriction -> 40 of inch (1 mm constriction)
-1000
A/ CO
- Non-Choking
end to chamber 1 buch end), has aglinder bore.
and to chamber (buch end) has calinder hope
Advantages of Choking
Hayantages of Choking
distance during the United as agroup for long
mozzle end after enting from
multiple I a gravity effect, an environce
multiple folices of a we wante
· multiple forces at I we want deadly free)



ė	
	Function of Cationage Case:
	· Holds explosive agents together
	Provide the desired of gard
-	· Provida waterproof cover for gunpowder.
	/ V . V
	. Detonator (primer):
	· Stored in primar up (percussion caps).  · stored in primar up (percussion caps).  · Purpose is to ignite the gunpowder.
	· ruspose is to ignize the
	CAMPACITIAN!
,	1. Mercury fulminate of lead axide
	2. Potassium chlorale
	3. Antimony sulphide.
	1
.3	Propellant: (gunpowder) Combution of gunpouder produces hot gase water towner down pressure & causes
	propelley out of pollets / bullets from frecum with sclosery)
	(filearm with sclotily)
	(Black Powder)
	CONPOSITION: . TEX actorium rititle (OSPE)
	[DP-105] 11011 . 15 1. polassion made
_	· 45 ·/· charcoal
	· 10 ·/. sulphus
	=) SINGLE GRAIN OF BLACK POWDER PRODUCES 200 to 25 Occ of ga
	Composed of CO, CO, NL, H, de)
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	=) does more blackening,
	effect clearly visible on budy
	shows the range from which fixing was done
	I fring was done

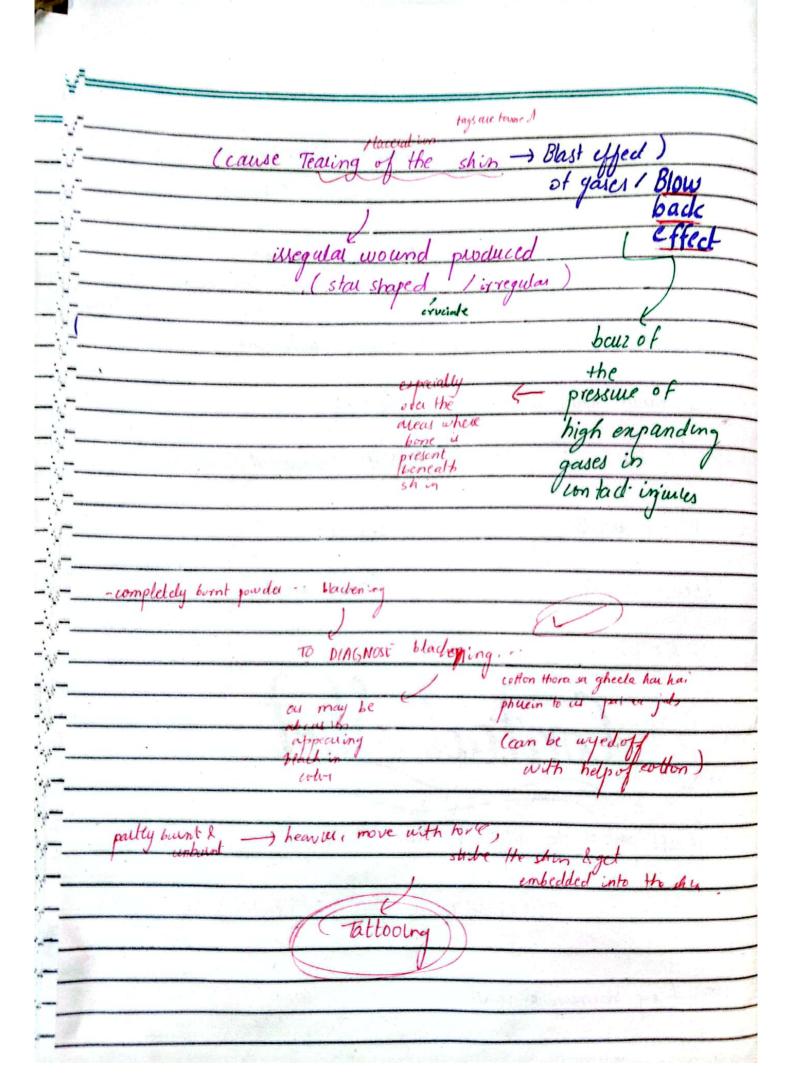
Sn	okelen Powder
	2. Double base - consists of "nitrocellulese"
	2. Pouble base - consists of combination of "nitrocallulose & nitroglyceine."
	3. Triple base - consists of combination of
	"nite o cellulose, nihoglyceire à nihoguanistre.
-) h	linimal smole produce; not much blackening effect.
<b>⇒</b> ) /	Most effective emplosive & impacts higher velocity to projectle
	Single grain can generale 800-900 ce of gas (4 times more,
2)	ingle grain con general
Sem	i-Smokeless Powder ) unposed of
	80 percent black powder
-	
. Px	ojectile:
-	moth bore weapons have projectiles in form of pellets (shots
13	comprise of multy-le spherice
	balls of lead.
	( of diff. siza · · · · · mall to v. lary )
	G. Dela
	melline. , bild shots (showeing)

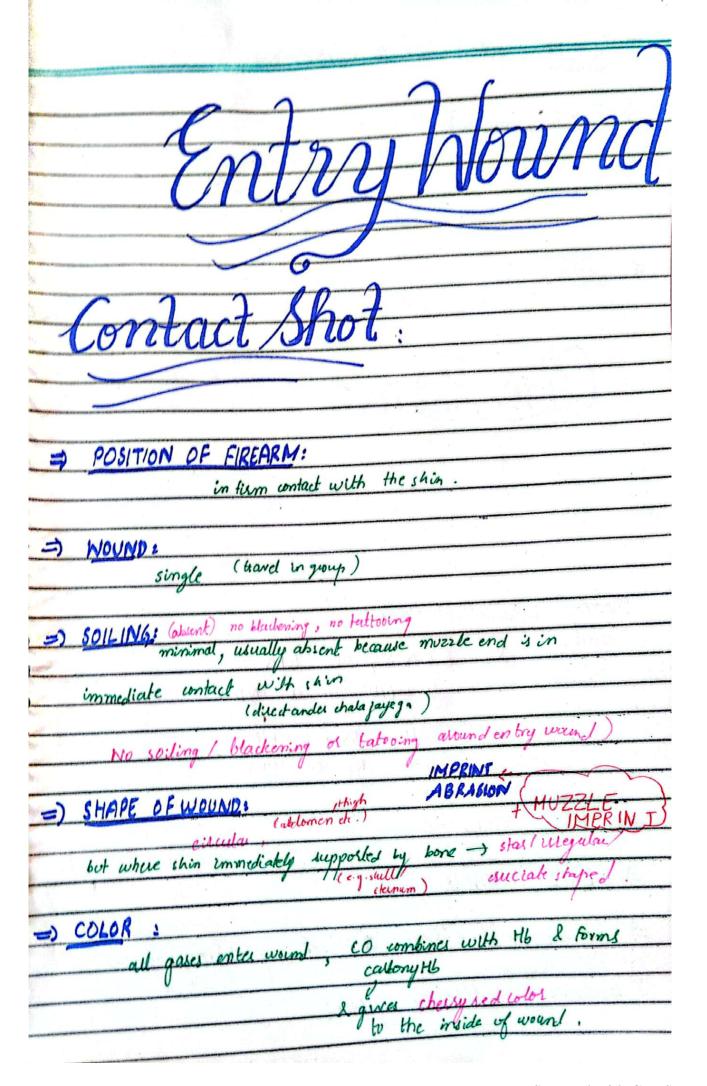
No.	
	-
-for large animals large sine.	
Tary Control of the second of	
Colubba to the Strang design	
5 to hill dy hand I lo in.	-
(x.lag)	
5. Mag: (aircushion in catild)	
· rounded, compressed dish	
placed 6/w pellets & gampowder	
. made from compressed fraper, felt , pastic, glaced-board	
strawboard, with dr.	
and diameter of wad is more so as to occlude the lumen of basel	
2	
acts as a juston & seals of bore	
	7.
NorWhance so that when gampourder	
burns, resistance is officed	
more effectively pressure on	- Mag
pellets is applied	
I often wad is impregnated with grease to labilitate bore	
tablique bore	
	1
CATRIDGE CASE FROM BELOW UPWARDS	
CATROGE CASE FROM BELOW UPWARDS	
10 ICICOSSION cap	
(2) Gun pawdes	
3) Cardovard	
(D) Wad	
t) Coraboard	
The state of the s	



		dore han jakan paray hol of a water continued below
7 most	pellets recover on auty	x y
	Cfirst X- ray	dere :
	ja	han jahan faray hul of / water coil
		what lety)
	<b>\</b>	
Unchahee	) pellets start spread	ny furn
	) pellets start spread.	
1	0	
el	ange of va	mous componen
	(in smoot	mous component
	Components	Distance travelled
		SISTAINC HOUSE
	Flame : Kis	30cm (upto 1 foot)
		(7.11007)
	(Caubon) gun powder)	50cm (approx. 1/2 foot)
		50cm (approx. 1/2 foot) man. 2 foot
· (a bit heavy)	unpowder (unburnt & partly burnt)	100 cm (1 metre / 3 feet)
	ardboard	2 melei
- 0	Vad	
	(v. longe may)	2-5 motes
, 120	lete infull choked	Compad mass upto 45cm x
n.	let in full choked -	
arge)		ther begins to disperse
-sofed-		
han Gas	es) - ach dam jaisey hi	miklein ghel jaing: will cool
yha;	davn & will be	we no effect unless
ko Livit	& until it is	[contact wound]
julay		
is as only		

Planne Burning (Scording of Shin)  Sing eing of hair  Propertie Entry Senit wounds  The brasium / contrasium addat  Gunsowder particles Tat tooing  Gunsowder particles Tat tooing  Gunsowder particles Metal sing  Glease or diet Grease collar  Westell puricles Metal sing  Grease collar  Westell part of the body e.g. abdomen  ALL TITE COMPONENTS WILL ENTER INTO THE BODY  Tone is present  Jegales will pencheck shin but will be  Alflected back from bone		
Plame  Burning (Scording of Shin)  Sing eing of hair  Projectile  Entry senit wounds  The brossion / conhusion collar  Gunpowder particles  Smedging (Hackening  Gunpowder particles  Blast effect / cherryred du woorden  Metal publicles  Metal sing  Grease or diet  Grease of Lin  Stream	Components	Effects produced on budy
Projectile  Finty Acait wound  The brasion / contrain collar  Gunpowder particles  Gunpowder particles  Falt tooing  Gunpowder particles  Blast effect / cherry red by coloration  Metal particles  Metal sing  Grease of diet  Grease of diet  Grease collar  wound  The form the weapons a strongly held press  strongly held press  against free for a strongly held press  All title COMPONENTS WILL ENTER INTO THE BODY  Tone is present  Grease will penchale shin but will be		
Projectile  Fintry Acait wound  A broasion / combusion collar  Gunsmoke & soot  Smodging / Hackening  Gunpowder particles  Tal tooing  Guntosides  Blast effect / charyed by coloration  Metal publicles  Metal singl  Grease of diet  Grease collar  wound  USUALIN  SINGLE  if soft part of the body e.g. abdomen  All title COMPONENTS WILL ENTER INTO THE BODY  Tone is present  Gases will penchale skin but will be	Flame	Burning (Scording of shin)
Projectic Entry scale wounds  - It bras ion / con husitor collab  Smudging / Hackening  Gunpowder particles Tat tooing  Gunpowder particles Blass effect / cherry sed disvoloration  Medal publicles Medal sing  Grease or diet Grease collar  wound is  STRIGHT  - if soft part of the body e.g. abdomen  ALL THE COMPONENTS WILL ENTER INTO THE BODY  - if e.g. strongen or shall - (where immediately below skin, tone is present)  Gases will penchake shin but will be		
ALL THE COMPONENTS WILL ENTER INTO THE BODY  Agases will penchak shin but will be  Gases will penchak shin but will be		July 1
Gunsmoke & soot Smodging / Hackening  Gunpowder particles Tal tooing  Gunber Blaut effect / charged du volondry  Metal putricles Metal sing  Grease of diet Grease collar  wound of wappen is strongly held of press  strongly held of press  against the soly  - if soft part of the body e-g. abdomen  All THE COMPONENTS will ENTER INTO THE BODY  - if eq. strongm or shoul. (where immediately below skin, tone is present)  Gases will penchake shin but will be	Projectile	. Entry heart wounds
Gunpowder particles  Guses  Blauteffect / Checky red Is wolverdown  Metal publicles  Metal single  Grease of diet  Grease of d	V	A brasion / contrusion collar
Gunpowder particles  Gusca Bleat effect / cheery red by whomm  Metal publicles  Metal single  Grease of diet	***************************************	
Metal puticles  Metal sing  Grease of diet  Grease after	Jun smoke & soot	Smudging / Hackening
Metal puticles  Metal sing  Grease of diet  Grease after		
Metal puticles  Metal sing  Grease of diet  Grease will an  Weapon a strongly held press  SINIGHT  - if soft part of the body e-q. abdomen  ALL THE COMPONENTS WILL ENTER INTO THE BODY  - if eq. strongm or shall - (where immediately below skin,  tone is present)  gases will penetrate shin but will be	Gunpowda pariles	Tat tooing
Metal puticles  Metal sing  Grease of diet  Grease will an  Weapon a strongly held press  SINIGHT  - if soft part of the body e-q. abdomen  ALL THE COMPONENTS WILL ENTER INTO THE BODY  - if eq. strongm or shall - (where immediately below skin,  tone is present)  gases will penetrate shin but will be	Gades	Blast effect / cheery red by wolorship
Grease of diet Grease collar  wound is  vsvAny  stonyly held pres  against the stray  ALL THE COMPONENTS will ENTER INTO THE BODY  - if eq. sternum or shall - (where immediately below skin,  tone is present)  gases will penetiak shin but will be	And the state of t	
Grease of diet Grease collar  wound is Contract Shot weapon is  storyly held pres  against the stray  ALL THE COMPONENTS WILL ENTER INTO THE BODY  - if eq. sternum or shull - (where immediately below skin,  tone is present)  gases will penetiak shin but will be	Metal puticles	Mobal sing
wound I Contract Short weapon is strongly held pressured against the shus)  - if soft part of the body e-g. abdomen  ALL THE COMPONENTS WILL ENTER INTO THE BODY  - if eq. strmum or shull - (where immediately below skin;  tone is present)  Graces will penchake shin but will be		
SINITE  SINITE  - if soft part of the body e-g. abdomen  ALL TITE COMPONENTS WILL ENTER INTO THE BODY  - if eq. strnum or shull - (where immediately below skin, tone is present)  agases will penetiate shin but will be	becase of diff	Grease collar
SINITE  SINITE  - if soft part of the body e-g. abdomen  ALL TITE COMPONENTS WILL ENTER INTO THE BODY  - if eq. strnum or shull - (where immediately below skin, tone is present)  agases will penetiate shin but will be		
- if soft part of the body e-g. abdomen  ALL THE COMPONENTS WILL ENTER INTO THE BODY  if eq. sternum or shoul - (where immediately below skin, tone is present)  against the strip  agai		
- if soft part of the body e-g. abdomen  ALL THE COMPONENTS WILL ENTER INTO THE BODY  if eq. sternum or shoul - (where immediately below skin, tone is present)  against the strip  agai		weapon is
- if soft part of the body e-g. abdomen  ALL THE COMPONENTS WILL ENTER INTO THE BODY  - if eq. sternum or shoul - (where immediately below skin, tone is present)  2  gases will penetrate shin but will be		
- if soft part of the body e-q. abdomen  ALL THE COMPONENTS WILL ENTER INTO THE BODY  - if eq. sternum or shull - (where immediately below skin, tone is present)  gases will penetrate shin but will be	The state of the s	against the ship
ALL THE COMPONENTS WILL ENTER INTO THE BODY  - if eq. strown or shoul - (where immediately below skin, tone is present)  gases will penetrate shin but will be		
ALL THE COMPONENTS WILL ENTER INTO THE BODY  - if eq. strown or shoul - (where immediately below skin, tone is present)  gases will penetrate shin but will be	if cost part of the body	e-g. abdomen
- if eq. stroum or shul - (where immediately below skin, tone is present)  gases will penetrate shin but will be	- 17 30/1	2.
- if eq. stroum or shul - (where immediately below skin, tone is present)  gases will penetrate shin but will be	ALL THE COM	IPONENTS WILL ENTER INTO THE BODY
gases will penetrate shin but will be		
gases will penetrate shin but will be		1 hele immediately below skin;
gases will penetrate shin but will be	- if eq. strnum or sh	tone is present)
gases will penetiate shin but will be		
I Hathe back from bone	ante .	will penetiate shin but will be
	yusis t	Heated back from bone

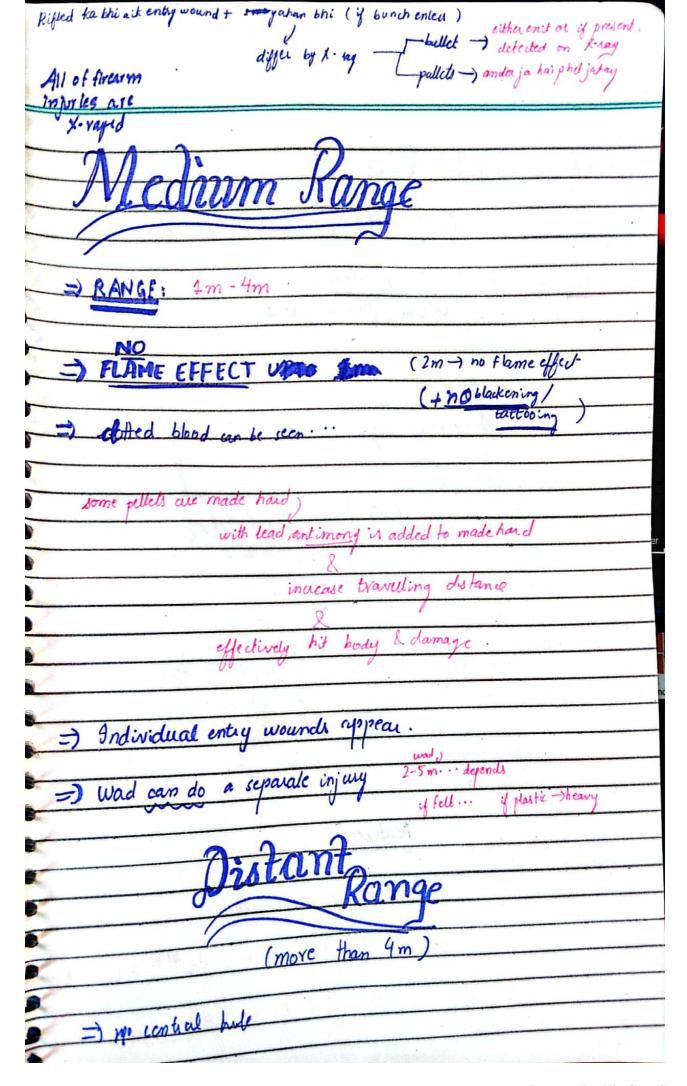


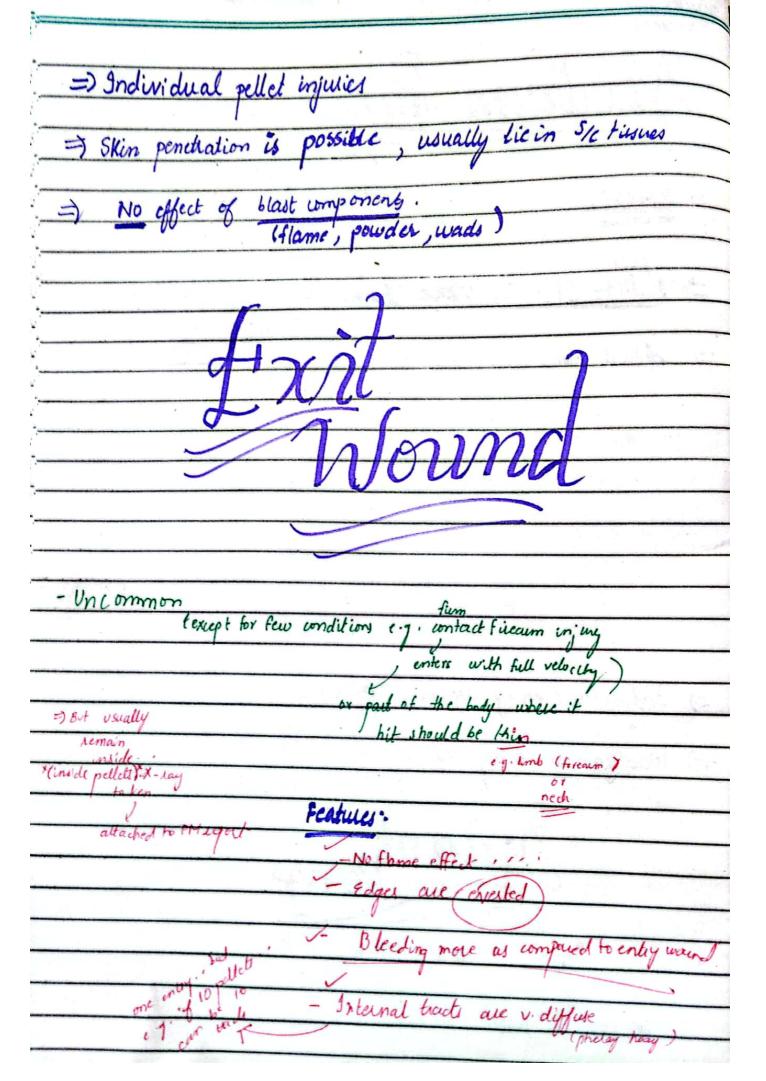


FLAME EFFECT & Consider the wound, not arrand the wound as members, so flame also god incide mound as members, so flame also god incide mound as members, scorting those mass age 7:	Cagai there	sa fat ha ')
FLAME EFFECT & contide the books of incide wound as uncentral, so flame also god incide wound of flame and blackening, scording throw may age ?	wo the	1770
FLAME EFFECT & contide the books of incide wound as uncentral, so flame also god incide wound of flame and blackening, scording throw may age ?	500 and executed due to blast 900	
FLAME EFFECT & contide the books of incide wound as uncentral, so flame also god incide wound of flame and blackening, scording throw may age ?	- DEUGIS OFFICE	The wound)
Apound that the projectile enter the must end, have in agroup after smith, as 6 inches will have as a bunch)  Florme (in range of flame) (not > 1 foot)  AROUND THE WOUND  SCORCHING OF SKIN,  SINGEING OF HAIR  DEDGES INWARD  I will make the part of hot expanding gases	inside the wound, not as	inside wound
Apound that the projectile enter the must end, have in agroup after smith, as 6 inches will have as a bunch)  Florme (in range of flame) (not > 1 foot)  AROUND THE WOUND  SCORCHING OF SKIN,  SINGEING OF HAIR  DEDGES INWARD  I will make the part of hot expanding gases	FLAME EFFE in contact, so flame also goes in	
## PEUETS  all the projectile enter the buty  **Cose Range*  (Isom ) 6 inches  (Iso	A V V I V A V	The state of the s
## PEUETS  all the projectile enter the buty  **Cose Range*  (Isom ) 6 inches  (Iso	ander blackening, scotching thora naz nage	
Close Range  (Isom / Gincles)  (broth of palets will ent the musteend, hard in agroup  agto I metre, as 6 inches  will travel as a bunch)  hit skin & enter int body  Flame (in range of flame) (not) 1 foot)  Get (BURNING OF SKIN)  SCORCHING OF SKIN,  SINGLING OF HAIR  => Bunch of projection enter  >> EDGES INWARD  >> V. minimal effect of hot expanding gases		
Close Range  (broth of palets will ent the musteend, have in agroup  agto I melie, as 6 inches  will travel as a bound)  hit shin & enter int body  Flame (in range of flame) (not) 1 foot)  Get (BURNING OF SKIN)  AROUND THE WOUND  SCORCHING OF SKIN,  SINGLING OF HAIR  => Bunch of projectiles enter  >> EDGES INWARD  V. minimal effect of hot expanding gases	OCUETS	
Close Range  (15cm ) 6 inches  (15cm ) 7 inches	the expectiles enter the body	
Hame (in range of flame) (not) I foot)  Flame (in range of flame) (not) I foot)  AROUND THE WOUND  SCORCHING OF SKIN,  SINGEING DE HAIR  DEDGES INWARD  V. minimal effect of hot expanding gases	au in f	
Hame (in range of flame) (not) I foot)  Flame (in range of flame) (not) I foot)  AROUND THE WOUND  SCORCHING OF SKIN,  SINGEING DE HAIR  DEDGES INWARD  V. minimal effect of hot expanding gases	within cinch	
Hame (in range of flame) (not) I foot)  Flame (in range of flame) (not) I foot)  AROUND THE WOUND  SCORCHING OF SKIN,  SINGEING DE HAIR  DEDGES INWARD  V. minimal effect of hot expanding gases	- Sam 16 Union	7
Hame (in range of flame) (not) I foot)  Flame (in range of flame) (not) I foot)  AROUND THE WOUND  SCORCHING OF SKIN,  SINGEING DE HAIR  DEDGES INWARD  V. minimal effect of hot expanding gases	- Lose Rully	
will travel as a bunch)  Ait thin & enter int body  Flame (in range of flame) (not)   toot)  Gleck (BURNING OF SKIN)  AROUND THE WOUND)  SCORCHING OF HAIR  SINGEING OF HAIR  DEDGES INWARD	the soules will exit the muzz te end have in agri	ord
## will travel as a bunch )  At skin & enter int body  Flame (in range of flame) (not > 1 foot)  Gleck () BURNING OF SKIN  AROUND THE WOUND  SCORCHING OF SKIN,  SINGEING OF HAIR   => Bunch of projectiles enters  => EDGES INWARD	(bund) of feeders with the most cond,	
Flame (in range of flame) (not > 1 foot)  Flame (in range of flame) (not		
Flame (in range of flame) (not > 1 foot)  - Affect () (BURNING OF SKIN)  AROUND THE WOUND  SCORCHING OF SKIN,  SINGEING OF HAIR  => Bunch of projectiles enters  => EDGES INWARD  V. minimal effect of hot expanding gases	-it- will travel as a bunch )	
Flame (in range of flame) (not > 1 foot)  - Affect () (BURNING OF SKIN)  AROUND THE WOUND  SCORCHING OF SKIN,  SINGEING OF HAIR  => Bunch of projectiles enters  => EDGES INWARD  V. minimal effect of hot expanding gases		1
BURNING OF SKIN  AROUND THE WOUND  SCORCHING OF SKIN,  SINGEING DIF HAIR  Bunch of projectiles enter  The wound of pro	Ait shin a enter in	may
BURNING OF SKIN  AROUND THE WOUND  SCORCHING OF SKIN,  SINGEING DIF HAIR  Bunch of projectiles enter  The wound of pro		
AROUND THE WOUND  SCORCHING OF SKIN,  SINGEING OF HAIR  Bunch of projection enter  DEDGES INWARD  V. Minimal effect of hot expanding gases	Flame (in range of flame) (not > 1 foot)	· 130 187 - 1
AROUND THE WOUND  SCORCHING OF SKIN,  SINGEING OF HAIR  Bunch of projectice enter  DEDGES INWARD  V. Minimal effect of hot expanding gases	effect GRIPNING OF SUIN	4
SCORCHING OF SKIN,  SINGEING OF HAIR  ⇒ Bunch of projection enter  ⇒ EDGES INWARD  V. minimal effect of hot expanding gases		April 2 de la compansión de la compansió
SINGEING DE HAIR  ⇒ Bunch of projectiles enters  ⇒ EDGES INWARD  ¬ v. minimal effect of hot expanding gases	AROUND THE	
SINGEING DE HAIR  ⇒ Bunch of projectiles enters  ⇒ EDGES INWARD  ¬ v. minimal effect of hot expanding gases	SCORCHING OF SKIN,	
⇒ Bunch of projectiles enters  ⇒ EDGES INWARD  ⇒ V. minimal effect of hot expanding gases		THE PARTY OF THE P
⇒ EDGES INWARD  ⇒ V. minimal effect of hot expanding gases		
⇒ EDGES INWARD  ⇒ V. minimal effect of hot expanding gases	- 1 1 1 11 11 11	
= = v. minimal effect of hot expanding gases	= = bunch or projectual enter	
= = v. minimal effect of hot expanding gases		Signal T
= 2) V. minimal effect of hot expanding gases  = 3) Blockening, tattooing purch	= EDGES INWARD	
= 3 v. minimal effect of hot expanding gases  = 3 Blockening, tattooing purch		The second second
= Blockening, tattooing purch	= 3 v. minimal effect of hot expanding	9161
= Blockening, tattooing purch	cattern	
- lady by	- =) Blockening tattoping place	
A DESIGNATION OF THE PROPERTY	lady, w	<del></del>

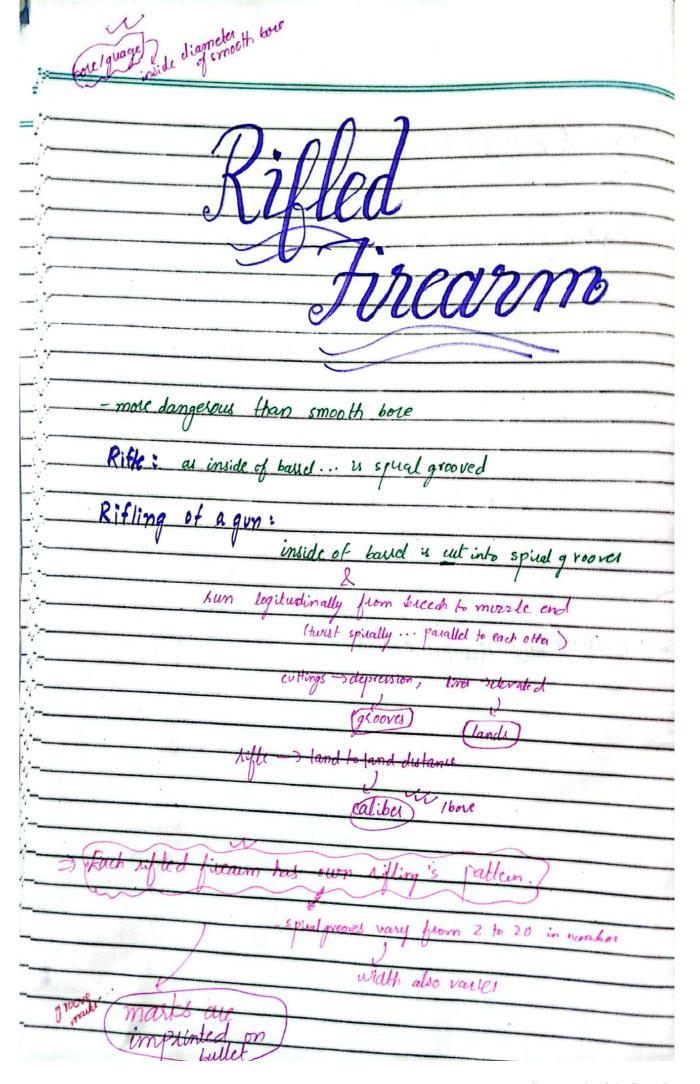
soiling -> combination of blackening & tattooing
blackening immediately next to wound, tattooing is all operad
either gellow / led /black as partly /.
⇒ CHERRY RED COLOR kuch effect of gases ((0)
PROJECTILES ENTER AS A BUNCH
Short lange
3 RANGE 15cm - 1 metre (6inch - 1 metre or steet)  Length of aum
=) FLAME if no flame effect (burning) => means (up to 1 foot ) move than 4 foot pulse)
BLACKENING: If no blackening =) means  (as 1½ - 2 foot)  The second in t
if taltooing present, but no blackening ?  means more than I foot,
but less manifest

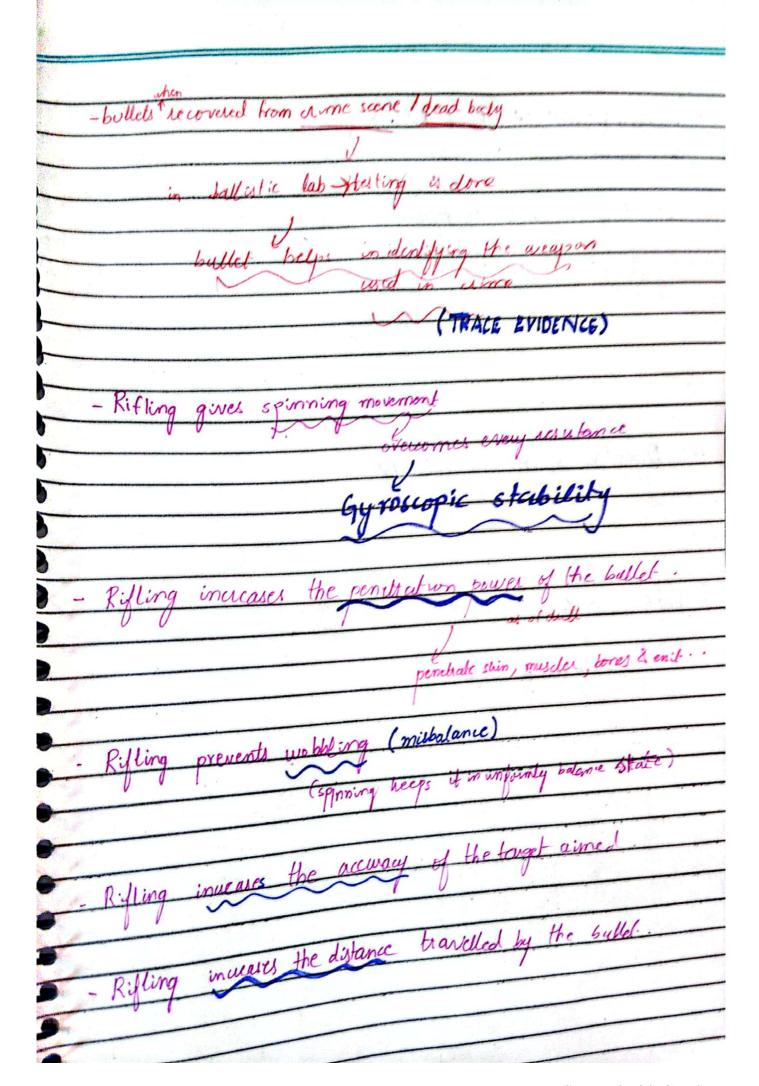
if burning present - less than I had
0
allets will brand as a bunch upto 2 feet
enla
[wand /aradar wound]
In full-choked gun, pallets travel in a bunch
upto a distance of 1 metre
In full-choked gan, palleds travel in a bunch upto a dulance of 1 metre  8 then disperse a but
Labra Labra
wound appearence is like
Rodent bite margins
N N
Afta nibbling edges
1 m.J.
central
hole
becomes small as spread of pallets ?
individual pellet injuries
incleare
At last, central hole
diappear
& all individual pellet injures





Umera 9	Ballistic Effects:
- I GONDE	DEMISTIC CHECKS;
~	
- Balling	or welding effect:
	catildge has shelf light in a soft metall lead used to make pullets
	is set med the
	so sometimes stick together inside costing
whe	en fued, travel as a bunch for several metter
	11 Laire C. La Declarie
upon hi	tting taget, give false appearence that were shot from near range
	(but no flame effectete.)
M .//-	Co. L
Billians	half disoched etter
	( group scales)
	with travels &
	when bonds of pallett the ship before 1m
- can	sometimes strike each offer
e co	spread like a billiand ball
600%	the bodie over a wide area
4.	
	vidose. but no central hole
	vidose . bil & all pellets spread
	but blackening, taltowing it are present



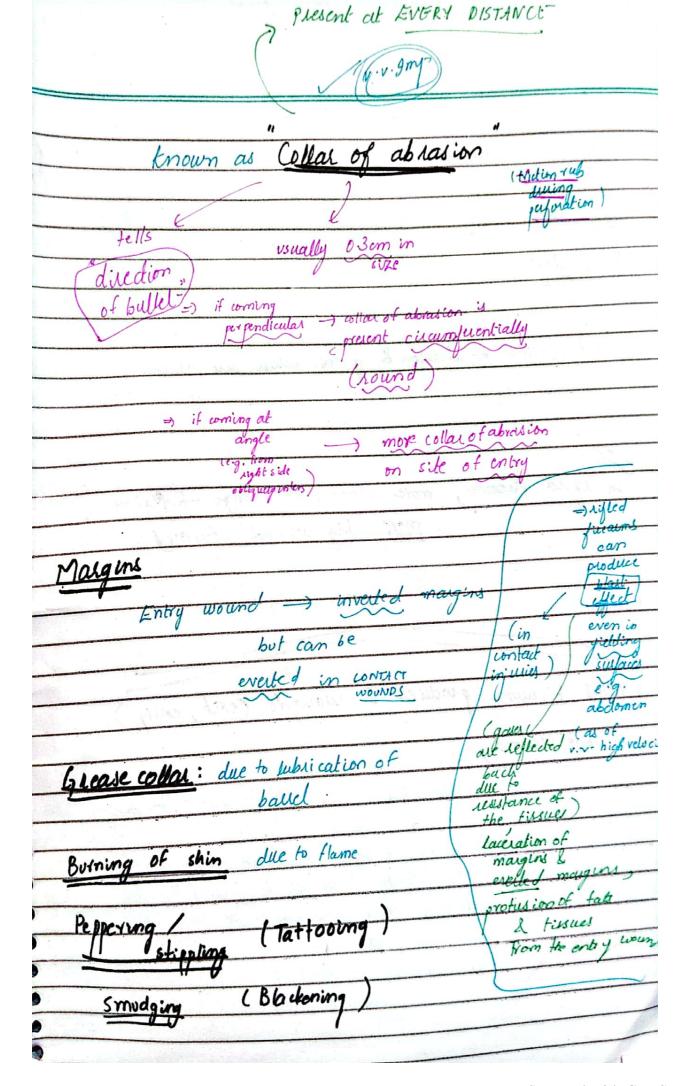


- CLASSIFICATION OF RIFLE!	DFIREARM
- Defunding on length of	barrd
	pistol, revolve
- Shor	t barreled
revolve - Long	barreled
	machine gurs,
(Russian raulette)	Kalashnihoves
- Depending on muzzle	velocity
- t	tigh - Medium -Low
California (conthibute: 1	plastic, base made of brown)
- Cathidge case (smoothbox:)	The state of the s
	(00/450)
full metal catrid	ge
	(bullet fined on top)
The state of the s	
Detonator same composit	tion
=> Bullet has a groove to	keep it fined in catildge case
The state of the s	catilde case
	NELURE

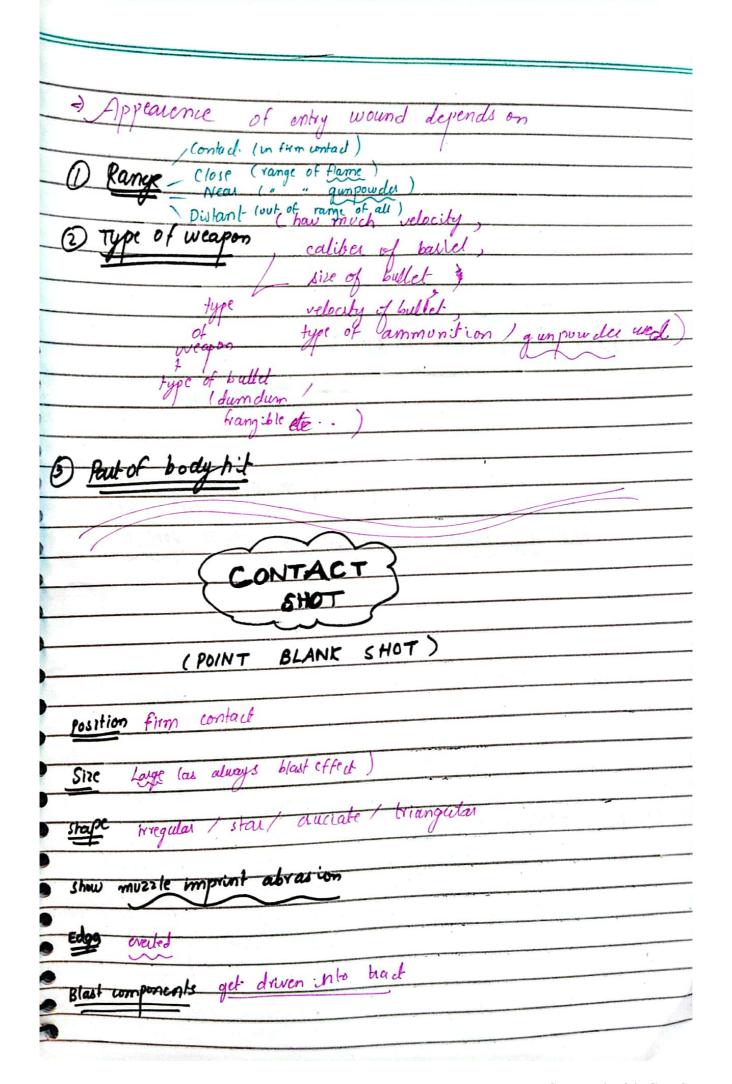
,	Low with field
	> Upon x and ful, second bullet comes along with fust
	sometimes bauel can bust
	cancause
	to the
	more than built person who was pro
4	in human body with single entry wound
	Single only wound but on X-ray
	but on X-ray
	fenilwounds 2
	to them; but a see a land of the
	but enit is race as they are defende
7) :	(if a bullet semains embedded in
	the body for a long time )
	gels encovered by
0)	Frangible Bullet encapsulation tissue
-81	intended to disintegrale into tiny particles eyour
	target infact to minimize their penchatron of other objects
	as peas
1	
	Rifling Masks
(	On Adduct to the Control of the Cont
<u> </u>	Primary) & produced by grooves & lands present in bassel of lifted
	fiream.
	=> are parallel & sprial
x C	working =) due to certain individual features of in
	surface of bassel like
	musor projections, or clevations
	& depuision.

		1170
	extens	damage
it. E. a particular	C. L.	
=) are specific for a particular	yun.	11 weapons
	v.v. high vewer	7
7	Clad Live	arms
Injuries caused by Ri	Tea Fire	
(Gunshot wound	<i>a</i> )	
(90715/100 0000110	1 Imp	
	V = 4	
a) when the bullet enters the body, makes	a lacerated	wound
a) when the build enters the day, mades		
	otry wound	
	*	
exit wound also lacerated		
	path taken by	the
=) Distance blue entry & enit wound; bullet is known as "Track	1 in a	
1 11 1 Known at Kach	of injury	
bullet is known as "hack		1
bullet is known as		dissected
		dissected
		dissected during autoply
Distance b/w muzzle end of basse		dissected  dissected  during  autoply  as there  our many
Distance b/w muzzle end of basse		dissected  dissected  during  autoply  as there  oute many  bullets  2 1+ can
		dissected  dissected  dissected  autoply  as there  out many  bullets  Litean  be found
Distance b/w muzzle end of basse	l & target	dissected  dissected  dissected  during  autoply  as there  out many  bullets  litean  be found  which bull  has exite
Distance bliv muzzle end of balle Range of fixing	ld target	dissected  dissected  dissected  during  autoply  as there  out many  bullets  litean  be found  which bull  has exite
Distance b/w muzzle end of balle	l & target  Nometimes  Gentia,  3 enik  Syou hav	dissected  dissected  dissected  during  autoply  as there  oute many  bullets  litean  be found  which bull  has exite  from wh
Distance b/w muzzle end of bake  Range of fixing  Components of Rucaim blast:	Larget  Syou have	dissected  dissected  dissected  during  autoply  as there  oute many  bullets  le found  which bull  has exite  from wh
Distance b/w muzzle end of bake  Range of fixing  Components of swearm blast:	l & target  symptomes  yentia,  senik  Syou hav  to disse	dissected  dissected  dissected  during  autiply  as there  oue many  bullets  2 it can  be found  which bull  has exite  from wh
Distance b/w muzzle end of bake  Range of fixing  Components of fixeum blast:	l & target  symptomes  yentia,  senik  Syou hav  to disse	dissected  dissected  dissected  during  autiply  as there  out many  bullets  2 it can  be found  which bull  has exite  from wh
Distance b/w muzzle end of basse  Range of fixing  Components of fixeum blast:  1) Phojectile (Entry 2 exit wounds)  2) Gun smoke (Blackening)  3) Gunpowdery	l & target  symptomes  yentia,  senik  Syou hav  to disse	dissected  dissected  dissected  during  autoply  as there  out many  bullets  2 it can  be found  which bull  has exite  from wh
Distance b/w muzzle end of basse  Range of fixing  Components of fixeum blast:  1) Projectile (Ballet) (Entry 2 exit wounds);  2) Gun smoke (Blackening)	l & target  symptomes  yentia,  senik  Syou hav  to disse	dissected  dissected  dissected  during  autiply  as there  oue many  bullets  2 it can  be found  which bull  has exite  from wh

	(Blast effect) & red discoloration (due to consony 116)
4) fases	(blast office coulong Hb)
(5) flame	(Singeing of hair,
THE SUMMER PROPERTY AND ADDRESS OF THE PARTY	Colin Daniel Dan
18 18 18 18 18 18 18 18 18 18 18 18 18 1	stoyching or such
1	
Malad math	del
6) Metal partio	(Lead ling)
, , , , , , , , , , , , , , , , , , , ,	LL COLO
when bullet goes	pieces) around
	to tour of
some metal pullic	
of separate for	in most cases are present
bullet	<i>\)</i>
2 11	bullet ) X-ray or neutron activation analysi
but travel with upto certain	
	estion around entry wound is dissededly
	sent tor examination)
5) [10010	
7) Grease	Lubricant
ranch weapon a hept of	with bullet
	deposited
if it is having a	tust or entry wound
other particles	
is hish of blas	t (Grease collar)
and of otal	E. Green Control
	FEATURES
a) when rifled	bullet strikes the skin, it is still opinning
	I sold yoursing
Jas shin is	elastic tissue gets stretched
100	as offers resistance to enter
	1
la inca	ing movement plocluces (friction) on
spunni	tiel to produces (riction) on
	stickhed shin
	X
	causes perforation
A STANDARD BENEFIT AND A STANDARD OF THE STAND	idion causes an Cabrasian

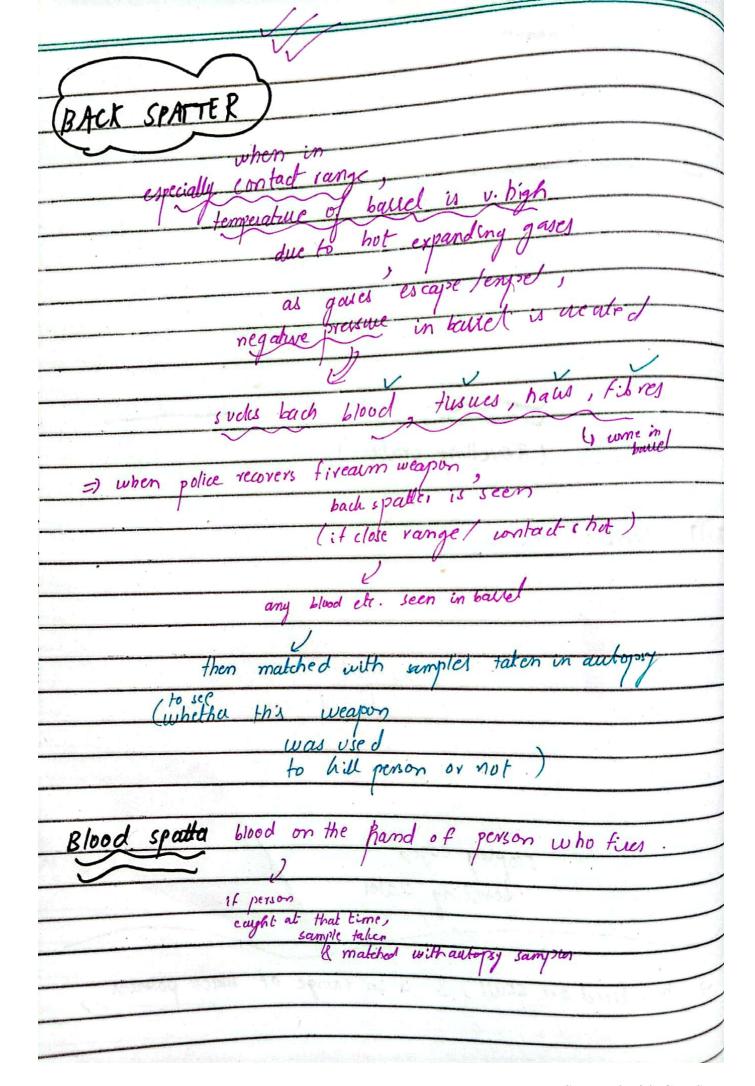


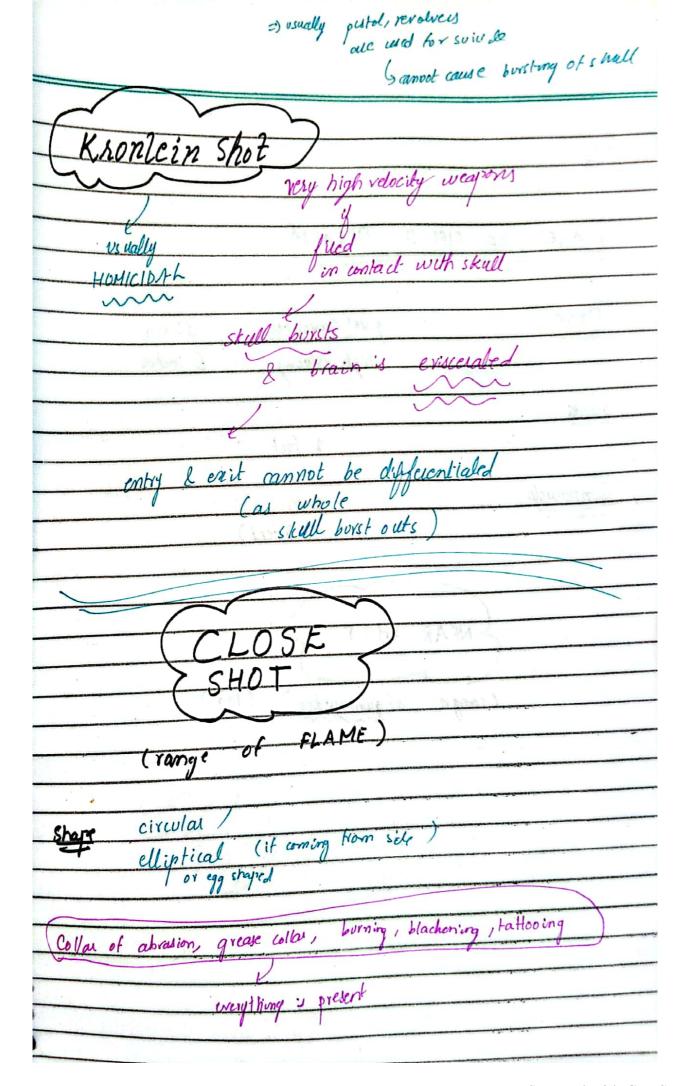
pic don't	see entry wound.	sit is preser	au thin		
1 farvoing	, wall the	3			
opper sai					
1					
Cdo	cherry red	due to co	abony Hb		
-		7			
Lead	ling		er seit bereit sein sein sein sein sein sein sein sein		and a female and or female and a second of the female and the fema
	V		-		
Blast	effect			-	
			and the same of th		
if he	th calles of	4.00- 8	- 4010 - 110		
	the collar of a	colland C	y resent in	n one	blackened
	/ grease	waar	A TIBOTH VI	- is in	of touch with finger
	Line and the same	lar of abrow	ing it much	thick	greasy
	as cor	ill'i	with 55 111001		• 0
/					
in hij	led fileum,	, move m	eace the	range o	
in Aj		more m	eace the	range o	nef
in Aj		more m	eases the big wound	range of the	nef
in Aj		more m	eace the	range of the	nef
in Aj		more m	eases the big wound	range of the	nef
	led finant,	more me more me construction of	big wound	range of the again	shin
		more me more me construction of	big wound	range of the again	shin
=) Tifled	fixeaum g	more me more me construction of	big wound	range of the again	shin
	fixeaum 1"	more more more more of with the second secon	elasticity contracts wounds	of the	shin , entry )
=) Tifled	fixeaum 1"	more more more more of with the second secon	big wound	of the	shin , entry )
=) Tifled	fixeaum for either	more means of the bullet	elasticity contracts of wounds	of the again	entry)
=) Tifled	fixeaum for either	more means of the bullet	elasticity contracts of wounds	of the again	entry)
=) Tifled	fixeaum for either	more means of the bullet	elasticity contracts wounds	of the again	entry)
=) Tifled	fiteaum fiteaum,	more more more more  (sbour of  wodues 2  the bullet  arely it m  velocity  y small  ok	elasticity contracts of wounds  is present from was avilow, entry made	of the again  (exit,  inside  n same only  then	entry)
=) Tifled	fiteaum fiteaum,	more more more more  (sbour of  wodues 2  the bullet  arely it m  velocity  y small  ok  rarely m	elasticity contracts of wounds	of the again  (exit,  inside  n same only  then	entry)

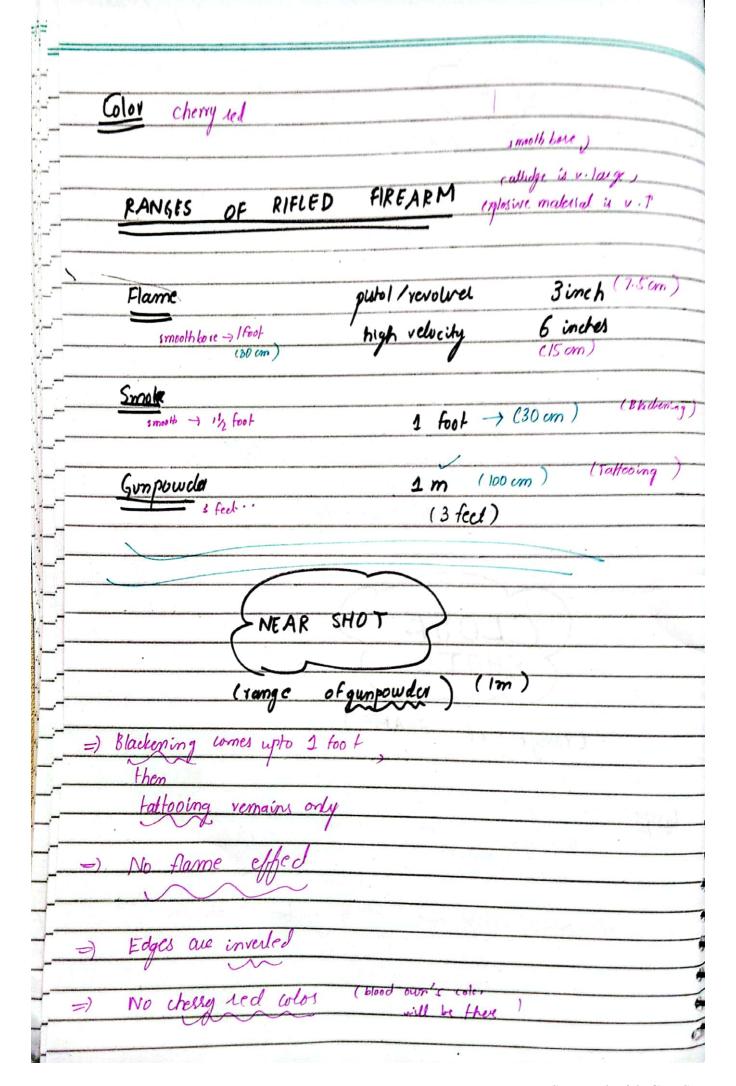


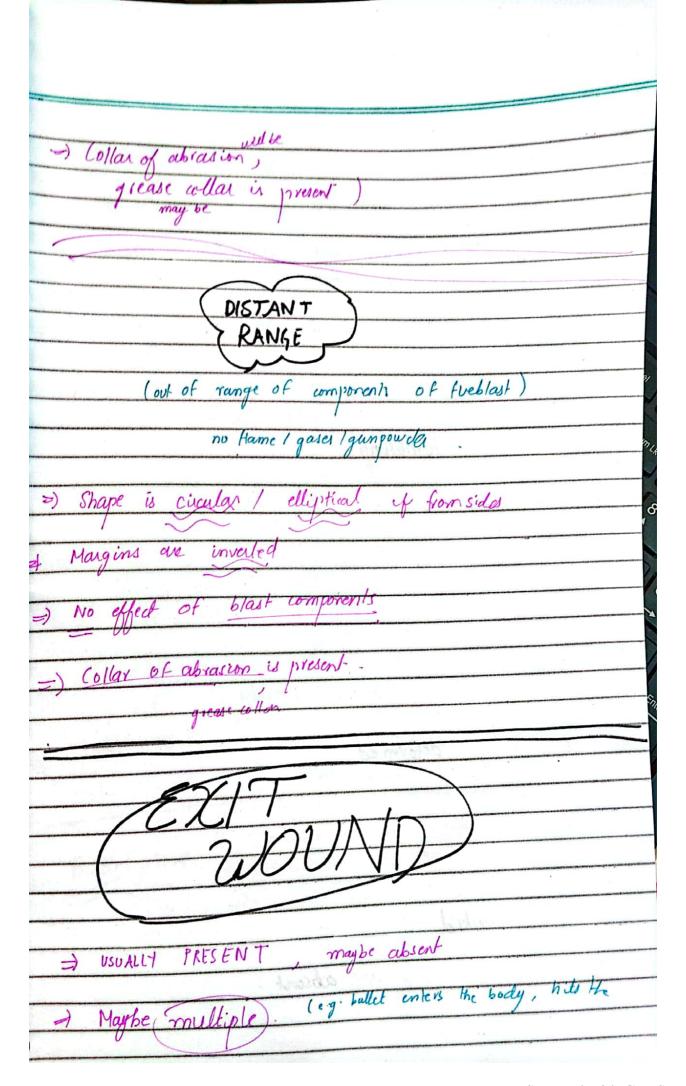
	1 D
	(reddning will be seen in deeper tissues,
	but on upper surface wound is
	black)
	Alame effect,
(1 h	st. ) powder.
e	ed /
6	ONTACT WOUND ON HEAD
-	(outol/sexolver) notvitigh velocity
	some findings are
	fell about entry & en U- TO DIAGNOSE
	ENTRY & EXIT WOUNDS
	Bevelling Phonomenon IN SKELETONIZED BODIE'S
	=) s kull bone has 2 tables (inner table &
***************************************	outer 1)
=)	when bullet makes entry wound,
	first it hits outer table & then inner table)
	where early
<u>-)</u>	when enit, first unner table & then own)
<u> </u>	FWST UTITLE TOOL & THEN DUCK
E٨	ITRY WOUND:
	=) outer table is supported by the inner table
	2
	2 inner table has no supposet some
-	policent insu
	when bullet makes entry wound on outer table,
-	when bulle makes entry would be

it is {circular} in chape (due to support of inner table)
(chaular) in chape (due to support of inner table)
Director 1:
punched in lesson
inner Jolda ber
innertable has no support
beveling phenomenon produed
)   Ca
(Sloping edge produed) (bone dipped off)
1 Day Brown exacted
(Boveling exatu)
EXIT WOUND: vice versa
O de delle 1 de la della confer bable
=) first hits inner table I supported by outer table)
so clean-cul-,
ounched out les con
=) but outer table is unsupported (outside is an)
=) but outer table is unsupported (outside save)
sloping edge, beveling clases
beviling clases
black powdel,
-) when fired on skull, & is in range of black powder,
in blackening is not towns
it is found on peliciancum.
stull hone







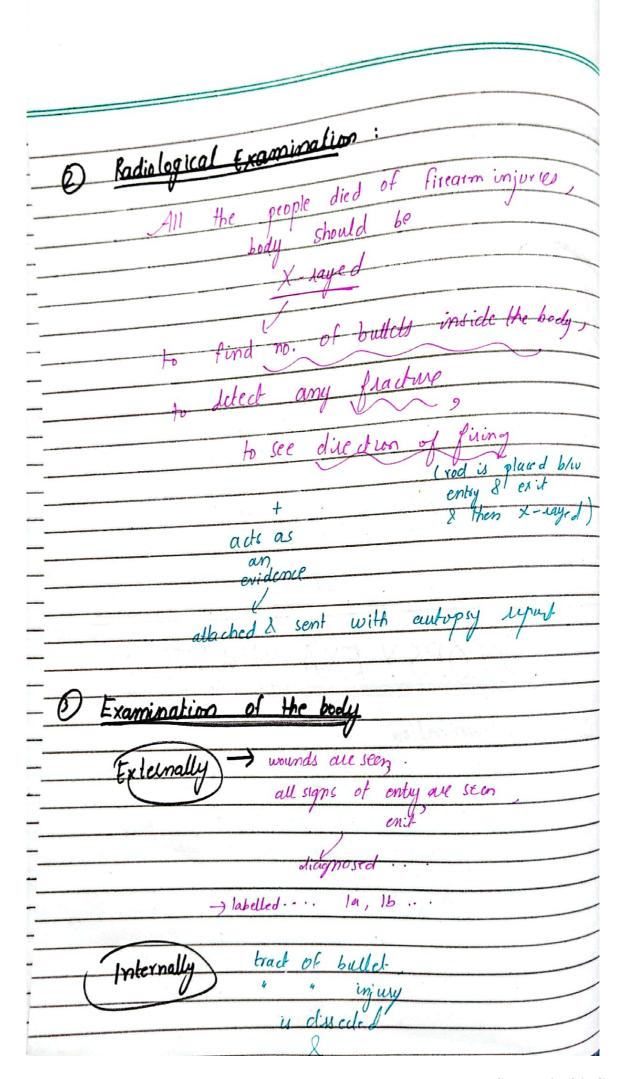


bone, gits fragmented & all fragments act  description missiles  I multiple exist with single antry  I multiple exist with single antry  I multiple exist with single antry  I must be and movement  (abovement ")  I miled of max on (if on striking can enter with base with first)  Shape of lexit becomes irregular  Bullet can get deformed  (awadly when milest on all deformed)  Stages are evented  8 but component effects are absent.		
bone spicules  act las missiles  I may vary in size & dape  bour of the  hour of the  hombling of the bullet  can enter with base home etc.  tambles.  Shape of  levit  becomes irregular  Bullet can get deformed  (rusually when  missiles  are deformed  (rusually when  are deformed)  State and get deformed  (rusually when  are deformed)  State movel		
bone spicules  act las missiles  I may vary in size & dape  bour of the  hour of the  hombling of the bullet  can enter with base home etc.  tambles.  Shape of  levit  becomes irregular  Bullet can get deformed  (rusually when  missiles  are deformed  (rusually when  are deformed)  State and get deformed  (rusually when  are deformed)  State movel		all fragments acc
bone spicules  act las missiles  I may vary in size & dape  bour of the  hour of the  hombling of the bullet  can enter with base home etc.  tambles.  Shape of  levit  becomes irregular  Bullet can get deformed  (rusually when  missiles  are deformed  (rusually when  are deformed)  State and get deformed  (rusually when  are deformed)  State movel	-	the farmented & all
multiple exists with single entry  tone spicules act has missiles  may vary in size I shape beth of the  hymbling of the bullet  end to end movement  (abnormal ")  instead of now on (if on striking with base bene etc.  trombles have exist first)  Shape of evit becomes irregular  Bullet can get deformed  (naudly when are decorreed  indicated of are defaunce)  Stages are existed	bor	or, gue today separately
bone spicules act las missiles  I may vary in size & dape bour of the tymbling of the bullet  end to end movement  (abnormal ")  routed of now on (if on striking can enter with base bone etc tymbles there exist first)  Shape of exist be comes ivregular  Bullet can get deformed (rundly when model model model are deformed)  soft model to the deformed  (rundly when the soft model to the are deformed)  Fedges are existed		
bone spicules act las missiles  The may vary in sixe & shape  bear of the  humbling of the bullet  end to end movement  (abnownal ")  inited of now on (if on striking with base in the cto  town enter with base home etc  townblood  shape of exit becomes irregular  Bullet can get deformed  (rusually when hondy when following when sold of lead are defairmed)  soft mobil  Fedges are everted	ds	squite with single only
bone spicules act las missiles  The may vary in sixe & shape  bear of the  humbling of the bullet  end to end movement  (abnownal ")  inited of now on (if on striking with base in the cto  town enter with base home etc  townblood  shape of exit becomes irregular  Bullet can get deformed  (rusually when hondy when following when sold of lead are defairmed)  soft mobil  Fedges are everted		multiple one
att (as musited  bests of the  house of the  hombling of the bullet  end to end movement  (abnormal ")  inited of now on (if on striking  can enter with base bone etc  hombles  base exity first)  Shape of  exit  be comes irregular  Bullet can get deformed  (raudly when  are defained)  soft mobil  soft mobil  Fedges are everted		
att (as musited  bests of the  house of the  hombling of the bullet  end to end movement  (abosemal ")  inited of now on (if on striking  can enter with base bone etc  hombles  best exit first)  Shape of  exit  be comes irregular  Bullet can get deformed  (rundly bullets  are secovered  form body  of land are defairmed)  Settles are evented	1	picules
may vary in size & shape  best of the  tymbling of the bullet  end to end movement  (abnownal ")  instead of now on (if on striking with base, wore etc.  tymbles.  there exits first)  Shape of  exit  be comes integrated  (suadily sullett  are recovered  formated.  are defained)  soft mobil  Fedges are excelled	bo	The middle
both of the  hymbling of the bullet  end to end movement  (abnormal ")  instead of now on with base with time etc.  can enter with base home excit fivest)  Shape of  exit  becomes irregular  Bullet can get deformed  (neually when  integrated  interpreted  for body  rede  of lead are defained)  Fedges are evented		act to musics
both of the hullet  hymbling of the bullet  end to end movement  (abnownal ")  instead of now on with base with tong  can enter with base home etc  home etc  home etc  have exity first)  Shape of  exit  be comes irregular  Bullet can get deformed  (neually when  integrated  for body  rede  of lead  are defained)  Stages are evented		D. date
end to end movement  (abnownal ")  (if on stricting  instead of now on with  can enter with base bone etc  trombles  becomes irregular   Bullet can get deformed  (navally when  nutlett  becomes irregular  Auctervered  Koon body  of lead  soft metal  Fedges are everted	7	may vary in size & shape
end to end movement  (abnownal ")  (if on stricting  instead of now on with  can enter with base bone etc  trombles  becomes irregular   Bullet can get deformed  (navally when  nutlett  becomes irregular  Auctervered  Koon body  of lead  soft metal  Fedges are everted		ban of the
end to end movement  (abnormal ")  (if on striking  inited of now on  can enter with base tone etc.  thumbles.  have exity first)  Shape of  exit  belomes irregular  (naudly when  (naudly when  are recovered  from body  of lead.  are defarmed)  soft mobal		tumbling of the built
Cabournal "  inited of now on with base with etc  can enter with base bone etc  fumbles  base exits first.)  Shape of exit  be comes integrable  (neually when fullets  Are recovered from body  of lead are defained)  soft mobal  Stages are everted		The state of the s
Cabournal "  inited of now on with base with etc  can enter with base bone etc  fumbles  base exits first.)  Shape of exit  be comes integrable  (neually when fullets  Are recovered from body  of lead are defained)  soft mobal  Stages are everted	-	end to end movement
Shape of  Shape of  Exit  becomes irregular   Bullet com get deformed  (rusually pullets  Are scorered  from body  made  of lead are deformed)  Soft mobal	-	(abnormal ")
Shape of  Shape of  exit  becomes irregular  Bullet can get deformed  (noually when  are recovered  from body  made of lead: are deformed)  soft metal	-	
Shape of exit becomes irregular  Bullet can get deformed  (rusually when youllets  are recovered from body made of lead. are defained)  soft metal		in regarded
Shape of  exit  be comes integular  Bullet can get deformed  (rusually when  rusually when  are recovered  from body  made of lead: are defained)  soft metal	-	
Bullet can get deformed  (neually when  (neually hullett  are tecovered  from body  made of lead. are defairmed)  soft metal		Acute extensions
Bullet can get deformed  (neually when  (neually hullett  are tecovered  from body  made of lead. are defairmed)  soft metal		Shape of
Bullet can get deformed  (sually when  and recovered  from body  made of lead: are defained)  soft metal		exit
(neually when  nullett  nue recovered  from body  made of lead · are defained)  soft metal		be comes irregular
(neually when  nullett  nue recovered  from body  made of lead · are defained)  soft metal		
(neually when  nullett  nue recovered  from body  made of lead · are defained)  soft metal	$\rightarrow B$	sullet can get deformed
made are defairmed)  Soft metral  Fages are evented		/ setually when
soft metal  Fages are everted		Me recovered
Edges are everted	-	made are defarmed)
		Soft metal
	Ede	yes are evented
Blast component effects are absent.		
	p/	ut component effects are absent.

Importance of out wound: -
O No. of butlets invide the body.
Direction of five
=) Sometimes, collar of absasion appears at
sik of exit
)
False will at of absallon
when some part of skin a suspected by
tight clothing e.g. belt / lying on floor etc
lying on floor etc
Vbut
when bullet enits, alot of resistance by
suin is offered
abrasion occurs.
etweet
supported exist wound
enit-wound
Buttet grave sometimes butlet hits /strikes
Callet the bely at
Solars ) such an engle that it
just touches the shir,
1 milion /
Total char
& passer off the body without entering it

,	1	
Atypical o	Large entrywound	Moumed
	laight to	bullet
		as shole with
		intermediate dje
9: 4:	The section mells do.	A DESIGNATION OF THE
Ricochet by	let )	1,35 12
	Lill it ad	<u> </u>
- one which is	deviated from its pas	
	by 1	
	hitting an intermediate object	before hitting the
	intermediac of a	
<del></del>	V. 11	
aty	cical entry wounds	
	ou shape can be	e horned
Multiple entry	, Lenits with single bu	let is muchle
-1		775.500 4
٠.	g. If bullet comes	
	Hom stell	
	first enters right-aume,	xits
•	enters chest enits	
And the second of the second o	enters left aum·	
	abnormal inequal	
Yowning	of bullet appormal, inequal	
	When bullet to	1

·
Tymbling of bullet
end to end travel ···
end to and crowe
artefact produced by surgical of the
artefact, produced by surgical intervention of the wound
wound wound acnot captored
wound usually only tends wound
acnot captored explored
buil emploing entry &  enits makes
enits makes
evidence false
& is
v. difficult to give opinion on either it was entry of enil )  (in sugial manipulated wounds)
either it was entry or only
(in sugial manipulated worms)
- CAMINIOTANI
ZITAPSY EXAMINA 110N
71010101111
O Clothes examination
Any frication were
Any firearm defect  (both around contry blackening / flame signs /  wound,  wound,  we encluded melting of fibres of clothes can be found
wound, blackening / terms of clothes can be found
u encluded melting or rowes or crowns of contract of signed or
signed of
stain/blood us encircled & signed



	_
	_
any retained bullet is recovaed	
9 Collection, preservation & forwarding of	
9 Collection, preservation & forwarding of enhibits 1 evidences	
1 / Clothos	
Bullets (if they are recovered from	<i>D</i>
Skin	
(from	
site of (ontry)	
apart from	-
blood, mine, organs	_
etc	