vinay kumar sir 16/04/18 English Ivinaylyrice agmail.com Topics to learn > vocabulary > sentence structure 4) Reading Comprehension 5) idéoms f phons 3) Grammet O Grammer: - Correct uses of parts of speech O DNOUN O 2) pronoun 03) verb 0 9 Adverb 0 5) Adjective 6) preposition O \$ conjunction O Noun:-Noun is a naming word. O Types of noun: - proper Noun 2) common noun 0 3) Abstract noun/Intangible noun 4 material noun 0 5) collective noun 5) countable noun 7) uncountable O Rule NO-1) The following nouns always singular, for them no direct pural (-s,-es) Og: Paper, Advice scenery, Alphabate, bread, luggage, Information, news, Paper-Sheets of :- Slices of Information: pieces of Advice-pieces AIP haboutes:-letternews: - Items of news Scenery Luggage: bags of Offspring (childeren) childeren progeny \bigcirc eg in my father gave me three Advices -> my father gave me three pieces of Advice v 2) The informer has given four informations to the four pieses of information police. 0 Note: To make the above Nouns into plural the following phrases to be placed. Rule NO-2) The following nouns are alway plura so never try to use direct singular (a, an)

gaulows !-		* *
beiro os:-	•	\bigcirc
scissors:- tongs:-		0
pliers:-		
trousers:-		
Shorts:)
Binacalais:- Spectacles:-)
gloves:-		9
goggles:-		0
eg:) She has bought	three gyms jeans in a special of	fek O
She has have to	- mais of in a special of	⊖ ?9¢
	hree pairs of jeans in a special of	\circ
2) Chintu has broke		0
-> Chintu has broker	n a pair or spectacles.	0
Note: To show singula	at and again multiple plurals	\bigcirc
the tollowing phras	ses added before "a pair ob,	0
two pair of, 7 pairs of		0
Rule NO-3) The follows	ing Nouns look like pural but	()
they are singular	inside so singular verb should	0
be used (is, was, h	as, aces,	0
News Economics		Θ
statistics		O
Phys9cs		0
politics		\ominus
analytics	90/070 2000	0
g: p my <u>analysis</u> of Review	the four movies is/are wrong	
	were merged into statistics	\bigcirc
once upon a time	· .	\bigcirc
	ing Nouns Look like Singular	\bigcirc
Rut wood ? ocido &	so pureal verbs used (are,	0
		1,5
were, have, do) people	caltle	\Box
Public	police	(_)
door		

eg: public was/were innocent once upon a time 02) The cattle 18/are greating. Rule NO-5> The following knowns or material nouns for them no direct pural no direct Singular cotton Iron 0 wood 0 liquids og:) Maharashtra of gujrat are famous for acol 0 (COHON) 2) My sister is fond of a gold (gold). 3) Bihar is rich in an iron. (Iron) 4) The Stranger hit the "casher with an Iron rod. Rule NO-6) The following are called common nouns, they can be made singular and pural. A, book :- books Abox :- boxes A watch: - watches 0 A pen :- pens Note: The following Common Nown can be made **0*** pured by not only-s, -es but also partly spening 0 or reaving as it is. 0 gentus ;-genii A goose 1- goose \bigcirc a child :- childeren a mouse: - mice Θ man:-men a tooth := teeth a sheep :- sheep a fot :- feet a deer :- deer :- oxen an ox an aircraft: - aircraft a theit :- theirs \bigcirc shelf :- sheleves a wife :- wives 0 :- lives a rife a belief :- Belifes a cheif :- cheifs a hankercheit: - hankerchieits a formula.: formulae a datum : data

eg:- 1) she has forgotten fowe bankerchieves. (hankerch	
2) The lion has killed fowe sheeps. (sheep)	()
Rue NO-7) The complex noun can be made	
plural or possession as shown below	()
puial [3] [] people.	
Possession [] 's Public	0
_ ·	
eg-jmy brother should take permission from	0
three officer's_in-charge of officer-in-charges	0
2) At present Iam using my brothersin-law/	0
brother's -in-law's.	\bigcirc
Rue NO-8) If the beginner of a complex known	0
is a number the next plural noun becomes	0
9	0
singulat	0
number - pural -	
nous	
singulat	0
a hundered supper-note: A hundered super note	U
a tour days-servinal: - A tour unj	0
a ten days-vaccossion: A ten day vaccos	0
a towe years - Brech: A towe year agree of	0
probhas is a six feet tall person, (1000)	0
	0
	Θ
eg:) my friend works in the Ahmedabad.	0
egit my triend work a michel-jack on	0
will brother is a rail of	0
- An Engley is a great solution	() 20
mor mouns were	
Rue NO-10) Before Pouper Mais Cotenats.	() ,
a) In comparison	·
b) In the sense of after outerio co such	\bigcirc
c) In the sense of another, exactly	()

eg.) Koimbatur is the Ahmedabad of south-indi o 2) prabhudeva is a Michel Jackson of India 0 3) Aacharya Nagarjuna is an Einsten of India Rue NO-17 when we use too nouns for one possession, we need not give 's to the ist now O egit I visited kamala's f vimala's house yesterday 0) I visited kamala + vimala's house yesterday 0 2) Amitabh's & superstar's gloory still is in the -> Amilbook & superstar's gloory still is in the publi O Rule NO-12) For the noun's already 's ending owe need not give 's but "(inverted comma) is o shown in written english 0 eg.) crystian's follow Jesus's path. (Jesus') 0 2) Iam Wing James bike Rightnow (James) Rue NO-13) The following are caued collective 0 nouns they are misconceptately used as show peron A barator marriage attendir 0 A hive of Honey bees. A mob of people of nuiscens 0 A gallary of Stars * A faculty of lecturers 0 A class or Students A bench of Judges. \bigcirc A barach or trenee A crew of technicians, cevers Θ A bundle of Hower Sticks, books 0 A bouqueter flower 0 A bunch of keys, grapes A colony of Houses, ants A cluster of Apartments 0 A choir of singers A Juany of Judges \bigcirc A team of players A council of ministers, members A band or musicians

I she has photographed a herd birds and uploded to F (flock or birds / herd or sheep) 2) I have seen a set of performer's in the (set of hablits/tradision/troup of performe Rue NO-14) The following are useful as discribed below and important a few-few (countable) & little (uncountable) a few is positive and it means some number of o but few is negative it means no number of. (nill) eg:) there are a few/ zero buses so he has booked a cab 2) There are a few/ few students in the \bigcirc classroom (lights are on) ()a little-little a little is positive it means some amount of 0 but little is negative it means no amount of ()(nill) eg: -) There is a little-little petrol. (no word for 0 0 another 20 km) 2) few students aidn't donate blood. (afew) -) Hew student donated blood / a few stu Rule NO-15) The words like few and Little are naturally negatives along with them never use negations like no, not eg:) few posititions didn't give correct → (aidn't= few) information. > few polititions gave correct information

· Vocabulary O) Synongms 02) Antonyms of one word substitutes 04) Idioms 5) phrases of phrasal verbs/words always Contusing o Idioms: - 1> Coloux: 1) yewww at heart !- Timid, not brave (3) Go Green: take care for nature fenviorment 03) Twen into Green: Feel Jealous 04) white books: Good opinion 05) Black books :- bad opinion 0 6) Grey hair: Good experience / Rich experience. 07) white beard 1- well educated, good experienced 0 8) Bolt from the blue: - au of a sudden / plan unexper 09) out of the blue: Something Special 10) Brocon study: Good, sich Oi) purple: - very rich, wento do 013) Red tapism; Red letter day: Memorable day
consouption; un-necessary late/delay at gov obtice
014) Black menday: unwanted day, unwelcoming day 012) pink :- Good health 0 15) Black day & A day of bad incident Θ 0 0 a) clothes :-1) hats off: - token or respect, Congratulation 2) Cap up: to cover up, to modity, improvise 3) see through coloured Spectacles: to misunderstance = 47 A tuen coat: with unstable mind, to maintain doi 5) Below the belt: - unfair ways of Game Con conder for (Begining of project)

The in the shoe of:- To work in Some body's place 8) A wolf in sheep's clothing:- Acheat, A cruyal pers 5 seems to be good person. 9) Ants in pants:- feel of Irritation (pins 4 need 10) Hand of glove:- Exactly matching, made for each of 1) Laugh in oleeves:- Secret way of Laughing	on on one of the one o
	()
3) Body Parts:	\odot
DHead Stronge: - proudish, Haughty	\mathbf{O}
2) Lose heart: Gets depressed	\circ
	()
The same of the sa	ω^{Θ}
5) Back + Belli: - Middle class status, Average lifestyle	\circ
5) Hand to mouth: Very 1000 wages below middle clas	s O
7) to snowder something: - have the responsibility on	\circ
8) At an yellow: - very close, Side by Side	
3) on finger tips:- To have something by heart	. 0
o) pri Tip toe: - Slowly walking or carefully walking	\bigcirc
of printing and someone in public	0
i) Poul the leg: - insuit someone in public	0
2) hand in hand: - friendly	0
13) through cold water on feet: to discourage	
14) At an arm's length; maintain distance or avoid	ved
15) Apple of the eye: A beloved daughter of the belove	er.
16) 00/00 00000 0000000000000000000000000	()
17) tounge twister: - difficult word to distinut to pron	2.
	\mathbb{O}
18) by 200th or noul! - the any control to give atmost, try very heard 19) use every nerve of: - to give atmost, try very heard	
20) at ears: - to listen attentively	0
and could be got successful out to	() -
	\circ
	0
	(- \

O 4) Animals: O) Cock + bull story: - Fixed, madeup stories 2) A dog in monger policy: - neighther enjoy nor Let's other enjoy 03) A Cat dog relation: untriendry relation, &> 04) A rat race to be the cat: busy life [todog risky]
05) snake in a grass: hidden problem 06) crocodile tears:-false crying 07) Monkey Spirit - fickle minded, unstablied 08) Straight from horse mouth: - directly, without any diversion 09) donkey's ear: Long span of time Ord Lion's share: major share Oi) Lion hearted: - very brave Og1) Read the following of find the options given OzoBelow. O Sore throat of bitter truth b) Injection of throat O > Symptom or cold d> a bitter +ablet 002) Read the following of find the aroneous par · Nehru brought up/Indira almost as/an orange o ob eye | because she is the only observing | 0 200 ELLOR -> Cr (Abble) 6 17 Two split hair: to understand in broad way 2) to face the music: to take the punishment later 3) wash hands of :- to finish the work Abruptly, to evi 1) Spin the yarn: -telling made up stories s) win larureis: - get tame 4 name of thew the cud: - Memorise the past 1) give enough rope: - Give scope for, give a chance to other 8) put the cart before the horse: daing things desorderly control a blind eye: neglect or to be careless = 10) cut a sorrow tigure: give a poor performance (1) Straight the strike the ison when it is not: Do athing more in euro to eye: - to have same openion, to agree with

13) point blank: - very near, touching near 14) Show white Feather: - Accept failure, declair detection 15) through fire + water: Pleasures & pains is smell a rat: To identify immediate danger 17) Pick holes in another scat: To find fault with others, 18) fair weather friend: - Good friend 19) bossom friend: Good friend 20) Bue Blood: of a royal family /famous dinestic. w curry flavour: To get impression by flattery /exagura 27 head & Shoulder's above: - Superior \bigcirc 23) carry the day: - win the prise ()29) In the same boot: Have the same situation () 25) keep Abreast of: To know Something already \bigcirc 26) make clean swipe: - To openup telling all \bigcirc 27) Once in a Blue moon: very very rarely 0 28) From pan to fire: make a problem bad to worst ()19) Gift of the gab: tactfull speakers ()30) Burn fingers: - make a risk + get's fail 31) twen tail: To runaway from challenge or war () \bigcirc Vocabulary Synonyms: The following clues are the endings of the words to guess or to estimate the parts of speech \bigcirc for the given words Noun: - -ty, -tion, -sion, -ce, -cy, -sy, "g", "t", -um, -ia, ea -gue, -ny, Rarely, al end, my, -my Adjectives: -- ous, -tu, -Less, -al, -able, -ive, ic, -al, ent, ant

Verb:--se,-ze, "e",-ct,-fy

Spendthat-It x mises (wastage) Root word Meaning. \bigcirc skill $\langle \cdot \rangle$ Veter Loved 0 2> cac Phon 0 Sound 3> 4) wife UXO \$ Yal exist 6) om Bad, terror 0 7) cred Belief 0 win, succeed 8> Sup 0 begineroboord A without 10) opt eye 0 Fatig 1) tired 0 12) God the Θ Log voice, throat 13) 0 15 gl Smooth 0 gou 15) mouth, eat 0 16> Back . Retro 0 17) spec see 0 dem 18> people 0 Leader 19> gog 0 eye, see ocu 20) 0 Right, Reform 2D COX 0 anger, irritate neeve 22) 0 Spic 23 kean, deep Greg society 24 0 25) silent, quiet Phleg 0 Birth 267 gen with CO27) 0 Bad mal 28> 0 pha clear 29) clear sheer 30) fear, many, much trep 31) Opposite antel 32> diking path **5**3>

35	7 cir	- round	
36	post	- After	
37)	An	- without	
38	nom		
39) sem	- word, mease major,	
40	chron	- time meeting	0
41	Vic	- Danulah	0
4:) Jet	- force	0
4	3) nu	- Remove, delete	\bigcirc
41) qu	- cool, calm	0
45	one	- difficult, tough	()
46	> fract	- Proudish	()
4	Rep	- Sad	\bigcirc
4	s) mag	- Large, huge	O
۷	(a) clan (ama)		()
5	» Blac		
9	5) Baf		\bigcirc
			()
Ma	tch the following	\mathbf{O}	\bigcirc
\Rightarrow	GOURMET > 5		0
B	RETROSPECT +4		\bigcirc
c>	DEMAGOGUE > 2		0
$\langle C \rangle$	OCULAR + 1		()
E	INCORRIGIBLE > 3	5) A Greedy eater	\bigcirc
F	INVETERATE → 15	5 6) To much obidient to wife	
(G)	CACOPHONY > 12		0
H	UXORIOUS - 6)	()
I	PREVALENT -> 10		
1)	INCREDIBLE > 1	2 is common, ordinary	0
$k\rangle$	ominous - 1		
1>	SUPERSEDE -> 9	3 12) Unbelivable	·
$\langle M \rangle$	ANONYMOUS -> 11	1 13 Nonbeliver or god	
N	INDEFATIGABLE > 7	+ 14> Unbeatable noice	
0>	ATHETSO > 1	X IF) HANSHINLAN	. ,

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storm, avoid
           Evit
     52)
\bigcirc
                                     Brave, stronge
           Fort
     53)
0
                                     Small, Short
           lac
     59
0
                                     Law
     (EZ
           Jud
\bigcirc
     26)
                                     murder
           Jeo
0
      57)
           Log Sanct
                                    pure, holly
0
      28>
            $ MOL
                                    Less
0
      59>
             mun
                                     kind, mercy
0
      60>
             cord
                                    Heart
()
      617
             റത്തി
                    - pan
                                    all
      62)
                                    knowledge, know
             Sci
\bigcirc
      63)
0
             Pan
                                    all
      64)
\bigcirc
            MOR
                                    depth
\Theta
      65)
            dol
                                    sad
                                    was, battle
0
      66)
            Bel
0
                                    great body,
       67)
            car
0
                                    Good, kind
       68)
            Bene
0
            phil
                                    rove
       69)
0
                                    human being
            Anthro
       70)
0
                                    Before, previous
            Ante
       71
0
                                    Light, desire
            Lust
       72)
0
                                    Grand
             May
       73)
0
                                    Before
             Pro
       74)
                                    Rigid, break
0
            Gen frag
       45)
\bigcirc
                                     happy
            euphu
       70
selt
             690
       77)
                                     nowork, vacant
0
             Indo
       78>
                                    Belive, rite
doc
       79)
                                     memory, note
0
             mom
       80)
                                    out, far
0
              6x
       81)
        83
                                     father
()
             Pat
0
```

Match the following		
> JEOPARDISE	A) Minimise (6)	
2) MUNIFICIENT	B) Memorable, temporary	(10)
3) LACONIC ^	9 5100 gm, 6014 ness (8	0
4) INEVITABLE	D) terminate (5,17	$\hat{\mathbf{O}}$
5) JUDICIOUS P	p charitable (2)	\hat{O}
6) MOLLIFY"		0
#) EXPATRIATE		0
8) FORJITUDE		0
9) SANCTIMONIOUS		\bigcirc
10) MOMENTUS B		\bigcirc
		\odot
83) Incli	- fall, slanty	Θ
89 Geno	- Large people, masses	O
20)	- Kill	\circ
Clus	- Combine, add	0
	- Blessed, holly	\bigcirc
7768 9031	- Hardwork	0
89) Som	- Sleep - write	0
go) SCri	- different, multi	0
9) ver -	- Skin	0
3	- Sîlent	0
1.00	- Rigid, Unchanged	\bigcirc
trib	- Give	0
95) Moi	- noisy	0
97) Fet	- chain	\odot
98) Clam	- noise	0
99) Cip	- Free	0
100) Nat	- birth, natural	
		()
100 Ped	- move, fot	£ 3
		$\stackrel{\circ}{\ominus}$

Match the following Difficult, hard achievi A JENOCIDE \rightarrow C Emotionally unresponsit B ()2> EMANCIPATE → E massacre -> F c>. 3> CIRCUMSPECT killing large people 47 \mathcal{C} ONEROUS \rightarrow A TACITURNS $\rightarrow B$ Liberate. 5) E think through, thinkder F \bigcirc before decisi 0 Pronoun:-Rule NO-16) The following are reflexive pronouns they should be used along with the set of verb 0 \bigcirc given below Lesign 0 I - myselt Θ Avail we - ourself 0 enjoy they - themself 0 404 - yourself / Selt behave He - nimselt control 0 SHe - herselt 0 It - Itselt 0 900 - oneselt 0 eg. i) my friend enjoyed the party yesterday. -> my friend enjoyed the party himselt yesterday Rule NO-17) The following are distributive prona 0 ns after them plural noun and Singular verb \bigcirc must oneon None of 0 plueal - singular verb. Neightheroz 0 noun EPHOLE of \bigcirc each of 0 every of 0 eg:- One of the director is underarrest (directors) eg: each of the girls have donated toooks.

Rule NO-18) The following pronouns are negative already and they are used as shown below. None of for 2t people more. Neightherez for only 2 people. (doneled) 1 eg. I wone of the 7 boys did not donate blood. 2) Neighther of the 4 boys has reached in time. 0 (Mave as) 0 Rule NO-19) The following are receptocal pronounce they should be used as shown below ()() each-other used for (two) one-another used for (more than 2) ()eg.) Bunty & Bubbly respect - each other ()()Rule NO. 20) The following are called relative ()pronouns. They are to be used as shown below 0 which that who whom whose are relative which - Singular thing 0 that - pural thing Θ who - singular/pural subjective sc 0 8b 0C $(\bar{})$ -11 - Sb pc eg) These are the books which / that I returned ; 2) Jeams is the boy who/whom helpedme yesters Rule NO-217 The Following are personal pronouns and they can be expressed in 5 cases as shown below APC RC pc SC ೦೦ 0 mine myself my m€ I owe's ourself we. our US their's themself their they them yourself your's HOU you. your ninselt nis him he his she nee heris hesselt hee 49 PISEL 17-5

There is we call and he of the property is outs.	ere is its key (its)
a RULO NO 222 TEA SONTE	use begining with one the
o corrosponding pronoun	should be either one's
$\sim \sim $	
o egizeveryone has to respe	ect himself/oneself first.
op one should respect !	ones country.
Rule NO-23) The follow	sing scfoc are misconce
1 tately use as shown	below.
OPA: I Love you	
O B: I too/Metoo.	
02) X; Who is it?	
o y: It's I / It's me	***
O Rue NO -24) The follow	ing conjuction than & poet
o sition are sublixed by	scor oc as shown below
than = sc	
Preposition=OC	
eq y prabhas is taller	than me/I
and Jam deaverer than	her/she.
03) she is Junior to I/	me.
C Ruse NO-257	
	- free, tanks
O 102) Pot	- Strength, might
0 103) eru	- voir wise
0 69 mut	- change
(as) noc	- Harm
0 106) Vari	- muti, variation - waste
()07) dog	- Copy
(10) pen	- Shoot, Small
0 110) Spar	_ Irregulate

112) C.S.	- Cheaver clever
112) Ci 113) Fia	- debeat
113) Fia 114) did	- Leaen
115) Lic	- Harm
116> 4	- man
117) Mel	- Increase
118> Bec	
1119) Lag	BIOCK, 1
120) VOW	- wide, broad 0
121) Cyn	- symbol, Point 0
122) burg	- Increase 0
123) Crim	- illtame
124) FOX 125) 8ES	- fear
h	- change
Match the pair	A) Mannish, male
D IMBESILE → D	B) follow, immedate
2) AMELIORATE -> E	
3) IMULATE -> B	c) flexible
4) RESILENI & -> C	D) tool, idiot
5) VIRL ->A	E) upgrade, develope
	O
126 Insomnia	- sleephessness 0
127) propensity	- partiality, nepotism 0
128) Innocuous	- Innocent 0
128) Compendium	- Summury
129) sp o radical	- Aano onoff on toff, o
	now 4 then, patchy
139) Enigmatic	- misterious
13) double	- mild, meek
132) Fylasco fiasco	+ 50914100
133) didactie	PA 1150 12
134) Licentious	
135) Consummation	- Wicked, cruyal
136) Ostentations	- Completion, ending
137) Boondoggie	- grand, pretentious
10.0	- wastage, overexpenditure
188) Laggard	- Lazy da Lodiez

- guiding star, cristmas star ynosure 140) up coming, musbruming Brugeoning 1417 slander, Reproach, Badno Recrimination 142) formadable-from the control en terrable 143) Recyliant Flexible 144) 145> cuebside: - poundary Fraught -overloaded Authentic-genune Buliania - cronic disease 146/ dire - measurable, sed 147 * presage - foretening aisto * promenade-road for tutures 148> entice - attaract allure ostracize - prohibit 149> infallibility-fallet, unable * paradigm-model, examply devastate_ distroy do mistak 120) exorbitant-morethan necessary, extra 156) expendi Blistering 157 (Blast) Buening Θ Bleak 128) Measurable, scrowtuu 0 clique 159) group, circle, elite \bigcirc 0 Rule NO-25) The following verbs or auxilary 0 placed with vi or basic verb that always 0 could Can 0 might may Vi basic 0 Should Shall 0 will would 0 nuist had to eg is sakar can solve/solved any problem in 1 hr. 2) his Brother Pc sarkar could solve/solved theps -lem in 15 mins in his child hould Rule NO-26) The following shows the good Combination of helping verb 4 men verb 0 auxily, aid, does do 0 as it /as though / Past time -> vz indicator/it's high time past participe belbeen (by have 1 had, has

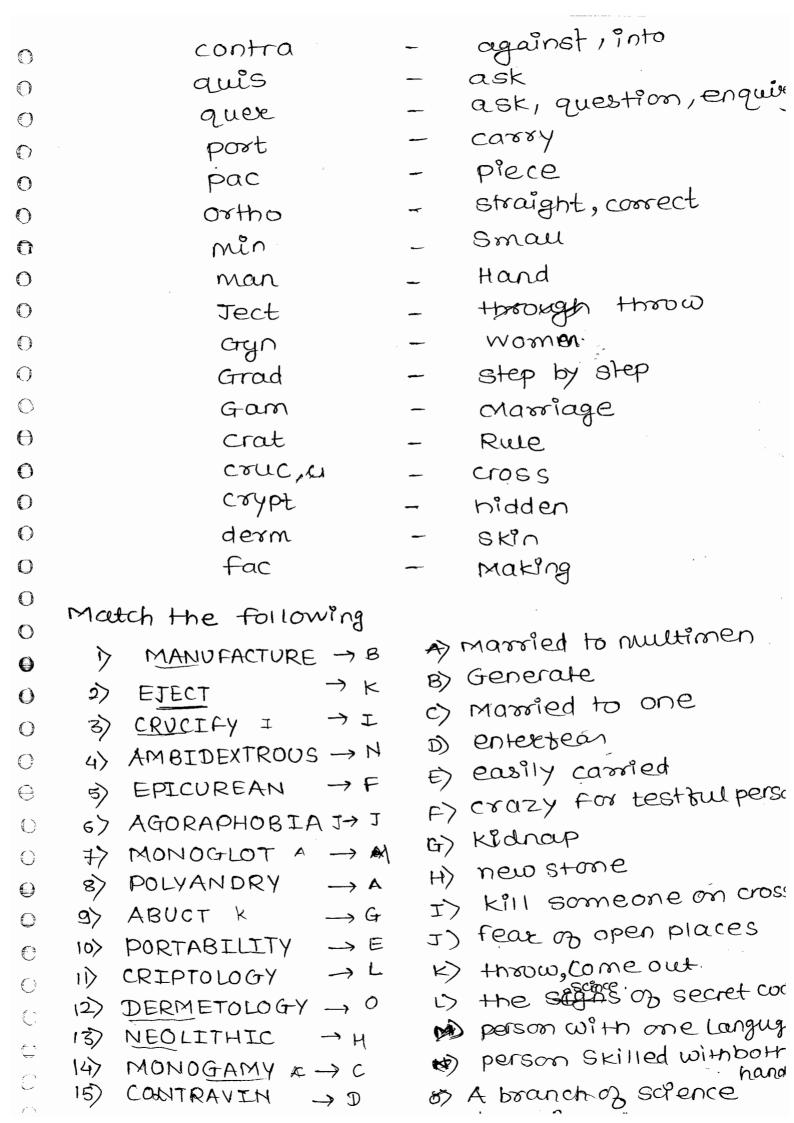
eg is Ravi has sang/sung a bengo! song	\cap
2) The problem will be gave/ given/ by my uncle	۹)
3) My sister danced as it she has/ aid learn/	
3) My sister danced as it she has/ <u>did</u> learn/ learnt classical dance.	0
4) It is a high time a have to meet/umet the	.0
OCFO.	0
5) They were slept/sleeping when the station	0
Paccod by. V3	0
6) They were gave/giving/given a chance by the	.()
7) She will have been travelled / travelling for 2 hr before she reches Naypur.	$\mathbf{z}_{(\cdot)}$
before she reches Naypur.	
	•
RULLNO 27) Generally from direct to indirect tenses	0
will be changed (present into past) but in the	()
following Situations no tenses changed	0
6) Proverbs by Scientific buths, Regular happening	0
c) Universal muths	0
d'Siturational present, human relations	0
eg. 7 she said, "I am busy now!"	0
-> She said that she was busy then.	0
2) My uncle said, "Birds try"?	0
> my uncle said that Birds ty.	Θ
3) My grandma before she died said, "Honesty is	
ind host policy	
-) my gradedma before she died said that homesty	
20 A 20th DOUGH	0
is best policy.	0
4) My ausin told me that the red fort is was located	0
in delhi.	4.7
in delhi. They cusin told me that the red fort is located in delhi.	
in delhi.	

Rule Klo - 218) egrégious (Adj) - outstandingly bad anomous caeophony (Adj) - Extraordinary, abnormal 0 - postmaetum (N) an autopsy au <u>unquacity</u> (N) - taukativeness naive (Adj) - crud, uncivilised 0 Rehervated (Adj)- Irritated perspicacity (N) - keep in i 0 keen in intrest. sociable, friendly 0 gregations (Adj) -Unresponsible, Untalkative 0 Pfilegmetic (Adi) disliking, hatred antipathy (N) errow intrepted (Adj) 0 fearless diaphanous (Adj)_ clear, transperent 0 malign (N) Badname By Birth congenital (Adj) -0 Vicarious (Adj) like to be popular 0 Anachronous (Adj)untimely 0 Laconic (Adj) - Bret Belong to words, verbose 0 semantic (Adj) -Posthumous (Adj) after death magnanimous(A) charitable 0 misterious, confedential Clandestine (Adj)-0 cool down, calm down 0 placate (v) Confusing Battling (Adj.)4)-0 Repusive (Ady) - distractive, inattaractive 0 Refractory (Aug) - proudish Θ onerous (Adj) - difficult ()cain down, parity quell (V) \bigcirc - cancel nullify (v) 0 - estimate Apprise (V). 0 Jettison (Adj) - Force, discharge 0 Adjudicate (v) - give judgement \bigcirc maiediction (1)- curse gratuitous (Ag) Free, liberal, thankful. \bigcirc omnipotential strongest of all omniscient (A) cleverest of all, all know

	Impede (v) - Ru Block, Stagnate, huddl-
	versatile (Adj) - Multitalent
·	innocuous (Adi) - Harmless, innocent
	inscribe (V) -> Knowledgable, write of ?
	erudite (vaj) — Knowledgable, write of a court hand sucha
	101(141(14)(14)(14)) + 1 + 1 + 1 (0.00) + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +
Exce	free, liberate mancipate (ndy) _ consigned, harmateur
	Clamorous (Ady) - Noisy
	unfetter (v) - free, liberate
+ + ¹ .	twempin (N) - comotion
	retribution (N) - Retaintion Revenge, tiktor
	tenacious (Ady) - Rigid, sticking to, Stubborn
	two gible (Ady) - skin, material
	Intact (Adj) - Safe, undamaged 0
	Inclination (N) - Partially, Nepotism 0
	pancepa (N) - one medicine for all decesso
	Circulitous (Adi) - Parad up aut not straight Pilo
* ±	wheerate (v) - make something hour a
	disseminate (v) - Spread, breakout
	100 audus (Ady) - Industrious, norther
	proscribe (v) - Restrict
	erudible (v) _ knowledgable
	Innate - By Birth
Te	2008 (Time in latin) (H.V+mV+AV)
-	
	simple continuous perfect perfect-cont
present	do/does is are have has have been has been
Past	did + 1 = 1/2 was were \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
future	shau/will will be will will have) =
	I shoube have been of
	we are a second of

uses:perfectiont perfect simple cont (poset) completed wered still like Opresent habit Wilhout tie For Isince 0 livemen completed already compuve then O Past (period of With TI (1) leted before vz Ofuture TIME Later live at Later lineat later lake lik \bigcirc completed by completed by periodos 0 time, \bigcirc Rule No-28) present perfect continues lense should be used in the three contexts a) live now b) Inference c) with the time indicator like currently, rightnow at present 0 eg:-) She reads/is reading a nowel currently Rule NO-29) The verbs mentioned bellow should be expressed in simple present but not in 0 0 present continuos tense Type) seen, look, hear, smell, sound, flavour, 0 appear and feel The voice Sounds/is Sounding good 0 Type 2) Love, Like, Remember, forget, know, believe think, observe, have, dislike eg: - She is beliving in God -> She belives in god. O Type 3) have, own, hold, possess, contained, compri sed, consist, eg: The bother's Consisting hot water The bottle consist hot water

Rule NO-30) Present per	ect	continuos tense always	;
associated with either	for 1	or since (for periodo	
time since starting 1	point	of time)	(
eg:- My cusin is/has be	een 1	earning dance since/	(
For 2015		•	
Rue NO-31) The simple	pas	t is possible in the	(
following Conditions	6 .1 9	ما انده ما انده ما انده ما	, L
a) with a simple past	inal	curor by authors with	
as it, as though + 12		•	
=> always with It's h	igh	fime + V2	(
eg:- Ravi has acted as			(a)
> Ravi has acted as it			0
) It's high time you so	0111	ed even heltere)	
(she should have con	c ac	a color seg of	
> It's high time you	(O1)	sucrey the doctor	•
3) It's high time you ha	ve t	o receive the hauticke	t0
In another pomin ex	am	Will wrong.	
> It's high time you	rece	eived the nauticket.	0
Rootwords			•
			0
Phobia		Feat	0
epi		upon	\bigcirc
eu		Good	
91		not	
mono	-	one, single	0
neo		new	0
per		through	0
poy	-	cany	\bigcirc
SUE	_	over, above	O.
sym	•	togather	
ab	_		0



The following are Confusing verbs they may be misconceptately used as shown below. hanguspaned hanged hanged hang 2) hung hung lie hostens lied tied lie down eaying down lay down eaid down layer \bigcirc laid laid 0 fau fallen teu Feu Feued feued Shoot shooted shootboover shooted shot 3) Shoot raise એ ક્લ *0Se \bigcirc Laise xaised raised ride 12) rode Hidden raid raided raided ()dye dyed dyed die died died \bigcirc 16 leaven learnt Learnt 0 learned (Acy) knowledable person () 18) 1088 Lost Lost \bigcirc Loose la> loosed roosed Found Find found 1> found founded founded Lasted Lasted 12) Last () 15) krishna posted/had posted the letter before I \bigcirc I called him. 18

The old man has died with Garnier becaused colour of the old man had died with Garnier (2) The Girl laid several times so she is aliax. nged 03) Veerapan had fell a large no. or sandle wood 0 -> before he died. Felled felled 04) Manatma gandn'i was shooted by Godse with shot o a rife. 0 5) my cusin has founded a hundred super note on the road. found 6) My class has lost for 4 hrs. rasted 7) IT officials rode on film actresses at their office 4 Recidenses at a time. (8) The Students rose several douts over pronour raised 0 9) The old man was lying on the bed because of $\Theta \rightarrow$ O illness -> was laying laying lying down 010) my sister will be/will have been in us for 3yr o before she gets married. (time span) on she will be / will have been taking the exam at this time tommorow. 12) Ravi was/ had been working for SBI for 24rs before he got a went to us (13) my cusin was/had been performing then power went off. . III forched the work.

Adverb: It is a small word which describes a verb where, when, how, it happens) she walked Slowly. -> how 2) she came yesterday. ->when 3) she sat there. — where 1 Types of Adverb:) Adverbor Manner -> Nearly, softly 2) Non 'ly' ending - fast, often, quite 3) Adverb or place -> here, there \bigcirc 4) Adverb of time -> (1000, then, yesterday \bigcirc 5) Advers of trequency -> OFten, seidom, usually Rule NO-32) Whenever the following words us Θ verbs used Adverb shoudn't be used, but Adjection is the modifier. seen, Look, Appeared, sound, smell, teel, taste eg. After waterwash my bike has Started 0 Looking cutely. looks cute. 0 3) After swegery my grandma now hears perfection 0 perfect. verbs should not be 0 Rull NO-33) The following below use with 'as' as shown appoint (make as) consider (choose as) elect (treat as) eg: they break considered me as a friend. 0 -> they considered me a triend. Rule No-34) The following are non 'ey' ending 0 Advertes they are misconceptately used as shown fast, 50, too, often, seldom, never hard late quite, weu, il

My Uncle reaves for mumbas Diterry loften) Rule NO-35) The following parts of the Adverb misconceptately used. adj hard - hardy - aumost not , rarely adj - fastly -> tightly -> tightly plate - Lately 0 bad - badly 0 oeg: She came to the class lately. (Late) She has covered the bothe fastly with a 0 airtignt filter ~ Rull NO-36) The following pairs misconceptately used that are not in english quite-quitely 0 Often - Oftenly 0 fast - fastly 0 Seldom- Seldomly 0 Kul No -87) so and very give almost same mean but so always goes with that at the same time too is negative it means more than necessary, over but very is positive it improvises degre eg. The coffee is not The coffee is very heb hot. 0 The coffee is so hot that I can't drink it \bigcirc The batchiers did too much of the owner 0 nakked out. Adjective: It's a qualitying word Rule NO 38) The following longer adjectives are only positive for them no Ed' no 'sd' superlative de) perfect >> Real Caranaa |

4> Unique	
eg: Amuz khan is more perfect than Shahsukh kh	ر مور
-> Amurkhan's perfect when Compaired with	\bigcirc
Shahrukh khan.	- ()
Rull No-39) The following Adjectives are only)
100' but no 100' and 150'	0
Rectangulate, triangulate, spherical, pentagonal,	0
PLLEPHCOI	α
eg: A B A is more circulat than A. A is circulat when compaired with	_ O
A is circulat when compaired with	1 X 5
(sa) Patrio Attrica is more triangular than sa.	0
Affica is triangular when Compaired with	G AS(
Rull NO-40) The following Adjectives are already	0
Rul No-40) The following Adjectives are already Comparative degree so never use in C.D, SD	\bigcirc
again, S1	0
Note: - In this Connection than is replaced with to.	0
Junior Senior	0
Exterior	0
Interior	0
Interior	0
prior	Θ
preferable 27. D. Toursel and Canadal Se man Superior than:	0
eg. 1) Inspector general is more superior than.	()
D.S.P - Inspectorgeneral's Superior to DSP	O
2) Aki is senior than AJi.	C
- Aki is senior to Aji	0
Run No-417 The following Adjectives are only SD	
g PD for them no CD	0

Trop PD 8.D Topmost south - southern southern most east - eastern eastern most \bigcirc westernmost west - western \bigcirc Horthern most North - Morthen eg: Chennal is located more suthern than vizag

Thennal is located very suthern when compaix

with vizag ox kanyakumasi is Located the most suthern among the three. O the there the three. o Rule NO-42) In the following conditions article 1) the is a must before Comparitive degree also. (it is already must before SD) o a) with the phrase "of the two" ... Ob) the In propostional balance the+cD, the+cI eg-kajal. & Nisha are sisters of the two, kajal @ is the tauer. 0_ of the two mukesh is the Richest (Richer) - The higher we climb, the cooled we feel. con -The more we flater girls, the faster/fastest, fast will be triently. Que No-43) The following are caused by endig adjectives many, womenly, uply, siny, july friendly, Costly. eg. My pen 93 costyper than wes. (costiler) - She behaves friendly -> She is triendly. - She works happing -> she works happy.

Rule NO-44) The following are called irregular (Neighber goes to er, est + more most) 9009 & better best bad marse worst eu morse worst well best better far faether 0 farthest lithe less least 0 mouny (countable nouns) more most **(**) much (uncountable) most MORE \bigcirc eg. Gole road is farer than dekkan circle from Ace academy. (farther) **()** 0 - (Mumbai is farther/further than banglore 0 from prince. hyderabad. \bigcirc 19/04/18 \odot Rule NO 45) The PSC asperiants should know the () difference bett the pairs given below. elder-eldest = persons related (kith + kin) older-oldest = persons related as well as things \bigcirc egit) Sanjay Datt is <u>elder/older</u> than priya datt. 0 2) Salman khan is older/elder than arjunkapor 3) That is the oldest/eldest temple in the district o of thane Conjer Subject-Verb Agrement Rue No-46> The following Subjects Look like plung but they are singular inside GULLEVER TRAVELS Guniver Traveus (Story book) WENGS OF FIRE Wings of Fire (An autobiograph) God of Small Things (a Novel) Two States (A Nowel) eg; The two states was were best sewing for the year 2014. care and a land of objection

Rue NO-47) Before any adjective if article the' placed, it tuens into plural personal noun. eg: The Rich - Rich People The poor - poor people The needy- needy people / people who are The weak - weak people 0 of In India The Rich 95/ are becoming Richer. The weak have / has to be helped by the strong Rule NO-48) If any subject contains two posts side by side they are considered as shown below. The post and the Post = plural The post and post = singular. egt The chairman and the principal Ps/are coming today. 02) The manager of clushier has/have cooperated with the pustomers. · Rue No-49) In a Subject of two units are placed on the either sides of the words as shown below the first unit taken into account or agrees with verb os well as togather with onit besides In addition to of The Governer along with his Bodyguards have/hasse been kednaped 2) The technicians as well as the engineer was were shoted and in kashmir.

Ruleno-50) In a subject if the following are given with two units as shown below the second unit should agree with verb either x or x or y white nor x not only bulatso } D Not only the polititian but also the followerso are/is dead 2) Eigther Actors or the director has I have paid the bill. Rule NO-51) The following Subjects look like plural but they are always Singular inside 0 because each of them refers to one unit. \bigcirc 10,00 Rs, 5 lakhs is amount -> () 200ml, 5 lits, 3 galleons was capacity -> \bigcirc weight \rightarrow 40 gms, 50 kgs, 40 tonnes Distance -> 20 miles, 45 kms, \bigcirc Length -> 3 meters, 40 cms Fraction -> three-fourths, one-eights eg:- 1) 20 miles by four wheelers is/are not 0 difficult. (distance- Singular) 2) three-fowers of the ten tanks was I were emptied (fraction - sing) 8) 40 gms of the 091/ Flows has/have been taken 0 away igotimesRule NO-52) The following Subjects Been to be pura but they are singular inside \bigcirc because they refer to one unit. Breaday butter -> food, levely hard, employment Bread of bacon -> Breakfast Sam and Substence > Summary kith and kin -> Pircle 1Blood relation /friend circle)

```
All - uncountable
  eg. ) Bread and Bacon of mine of the past
0
  two days. was I were very tasty.
2) Sum and Substance of the movies like nayak, Gabbar, citizen. Indian <u>is</u>/are against
   corruption.
  3) All 95/are well
O Vocabulary
              Sonorous (Ady)-
                                Echoing, Resonant, 101
\odot
             Trample (V)-
                               flatten, Squash, smal
()
              Aggravate (V) -
                                Hig improvise, enhance
Intensify
          Transgress (V)
                                break the Rwes
0
          Pueview (N)
                               Arial view
0
          estranged (V, Ady) -
                               Actoddords, on bad
terms
0
          serenity
                               tranquility, composur
                       (N)
0
                               quietude
Acquittal
                      (Koly)
                               Release, exoneration
0
          crammed
                       (V, Ay) - overcrowded, tightpac
0
                               Heaving
0
           Mundane
                              dull, ordinary, Routin
                       (CV)
0
                               hundrum (boring)
\bigcirc
           Smother
                       (V)
                               suffocate, overwhelm
0
                               Careful, Foster, look at
           Mueture
                       (\lor)
0
                               aueviare, lessen, tone
           Mitigate
0
                       (V)
                                down (minimise) down
igoplus
                               example, prototype
0
          Pargydiem
                       (N)
                               Justicable, Reasonable
           tenable
                     (Egh)
          sparse
                               Meager, thin, scarce,
                      (Adj)
                               Shortage
           Leeway
                       (N)
                               Freedom, Scope, margir
                               breath taking space
```

Gulible (Avy) easy to zall, too easy to be cheated despondency (H)- hopelessness, dejection, sadness Flannel sweet talk, flatter, (AXX) (V,N)Begulle. Tenses:-2<u>meno-53</u>) In the following context present perfects can be used. a) completed action, notine Indicator. b) completed but Still/impact. c) With the phrase "not yet", "till now", "lately", "So faxe" \bigcirc 31) my sister aid post/has posted the Letter. \odot 2) He has cut / did cut his fingure (still paintur) \bigcirc 3) My brother did 100se/has tost his job. (Still jobless) 0 Grammer - If clause/condition Still ehance k open: If + sub+v1 - will/can/may vi ex: It she prepares were she will/would ٠ pass/ passed in first class 0 \bigcirc 'Close: If + sub+v2 -> would / could/ might 1. 0 eg: - If my brother woke up early, he will! igopluswould attend the class in time. 2) The she did not pay the full fee, so they sent her out -> If she hapaid the full feel, they would not sent her out 3) It she run tast / ran tast she coould catch/ caught the 1st bus yesterday.

* Past probability: If + sub+ had v3 - would / could / might have V3 \bigcirc eg: If the driver had drove/driven caretury. the accident would not have happen/happe 0 2) If she had song well, she will/would have has bag/bagged ist prize. * Imaginary/Impossible Condition! If + Sub + were - would Vi) It I am/were a bird I will/would fly 02) If she were was rich she would nelp me 0 3) If my father were/is multimilliner I will/ would enjoy myself and like anything. O * Imposing: Clause + as if were 1/2 egy She is dancing as it she is/were trained. 2) he spends money lavisionary as It he were Rid 3) he is bleming au as if he has passed 1 did pass 10th class at a time. \bigcirc () 0 \bigcirc 0

 \bigcirc

Phrases 1-Nonstop, in a single attempt at a strech Hanaman Normal view at a glance very close to at an elbow Confused State, puzzled at sea Just before Right time 0 eut an eleveth hr In a disorderly way at sixes and sevens-0 unfriendly at odds 0 - Keep distance from at an arm's Length \bigcirc at a stones throw - very near between and betwix - two equal shares \bigcirc between sea and devil - confused to go or not \bigcirc - very brief In a nutshell Θ once in a bulemoon - Ravely Θ merits + demerits, full inform Ins fouts - Both difficulties of comfort ups and downs Going & coming back up and down Impossible out of Question enggen Brabyes, something out of the blue Bolt from the blue - Sudden Surprise, all ob a sudden Before and Behind - two support () Bad to worst From pan to fire confused In a fix Cruz of the problem- Root cause tuly out and out very Rich well off very Rich were to do $oldsymbol{igo}$ not regularly on and off by and by Slowin Little by Little Gradually Hanging by thread - Very Critical, sensitive Let the bygones be past is past bygones I could the more in the manch hands

- Leave one to his faith Leave in Luech - get good name + fame win Laurels spin a yarn - make up a story Give enough Rope - Scope \bigcirc - Run away from, escape Take to hills 0 - very close beside Point Blank - declaire peace, defit Show the white feather - neglect, overlook twen a blind eye \bigcirc - one who attracts with swi Oily tongue - win prizes carry the day - same situation In the same boot - To open hearst Cleans sweep of - Memorise the past chew the aud - Good friend, belivable, seli 0 fair weather friend - Good, belivable selflessfr \bigcirc Bossom friend - Have the less importance 0 Play second fiddle - easy money, money by comot 0 Hush money take the bull by horns - Do a Risk Job knowingly - More informationabout \bigcirc tau taik telling mexat 0 underdoud - Suspetions, dought full **(**) a) difficult assignmen at large & H) 0 B) Spend all time lavitaty, By and large (G) 0 working hard too much throw dust into eyes (D) ⊕ 3 c) experienced the consid means mince matters(#) 04 D) cheat, betray too many irons in one tuen-05 D) Doing too hard work to bare (beyond his cal Hercullan task (A) 0 6 F) telling unclearly, illo, approximately call 0 7 face the music(c) Buren candle at both -'H' not found, uncaught the ends(B) I) to frighten have cheatenat in a paus Smau talk J) not properage for

20/04/18 Conjunction It is a link word It connects two words and two clauses () eg: Ravi and suresh are my classmates. \bigcirc If she comes Late, she will miss the begining of the lesson. Types of conjunction i) subordinate \bigcirc 2) co-crdinate 1) Subordinate If : In case of Unless: If not As 1- Because of $\left(\cdot \right)$ since (also a preposition): By the reason of \bigcirc When I on the event of \bigcirc While: At the time of () Though: Inspire of Until :- upto ()2) Co-ordinate: and Or but 0 8411 0 yet then so (also an adverb) thereforce hence because (because of is a phrase) crause (1 sub 4 1 verb) Types of sentences: 1) Simple 2) complex 37 compound 1) simple: one clause + no conjunction eg: Inspire or her good preparation, she got failed.

2) complex: - two clauses & one Sub-ordinate Conjunction Though she prepared well, she got failed. 3) compound: two clauses + one co-ordinate conjunc eg:- She prepared well but she got failed. Interchange of sentences:-0 0 Compound complex or/otherwise \bigcirc TF or 1 otherwise \bigcirc Unless As So/ therefore / because thence 1 therfore 1 because Since 0 \bigcirc . when then while \bigcirc then though 0 but/yet/still Contin \bigcirc (a) +911 0 0 eg: Unless you run fast, you can't catch the bai 0 -> you runfast otherwise you can't catch the ba (2) While she was dancing, she collapsed. 0 -> She was dancing then she collapsed. simple 0 complex 0 noun phrase __ If without without verb+wing -unless Θ Because of / due to adj-/ being + aaj 0 -since igorplusowing ro/ By didntos 0 on the eve of - when () during/ At the time of - while despite / Inspite of - though apto - untill

Twinila and come applying sha format taction	
Twhile she was applying, she forgot testing	\bigcirc
Stamp. > & At the time of application she forgot	
testing Stamp.	\bigcirc
-> during the time application she forgot testings	lay 🖯
Co-relative conjunctions;	Θ
Both - and	9
Cornerwill Lest - should (will)	()
Neither - Nor	0
~ 4	0
Eighter - or	
notonly - but also	0
what to speak of - even	0
Whether - 08	0
No sooner - than	0
Hardly - when	0
Scarcely - when	₹.¥ Æ S
would rather - than	
I) What to speak of getting bumper majority.	0
He couldn't get atleast deposity (even)	
The water get attend approximation is some she	0
> No sooner did she finish the enam-she	0
Rushed home.	0
a) then some.	0
S and halmates will a	
otherwise the traffic police man should finase.	
(Lest)	\mathcal{O}
her ist salary men	\mathbf{C}
She visited shirdi.	6
5) my friend would rather suffer but lie (tha	νŠ
3) I would rather fail than copying. (Lopy)	2 S
(tall-copy) (Failing-copying).	

Non co-relative conjunctions \bigcirc despile - of x \bigcirc As soon as - when/then/then x 0 since - so/therefore/hence x - so / therefore / hence x \bigcirc Lest - will **(**) Hardly - than x No somer - when x ()0 one word substitutes \bigcirc Stoice 1- A person who read same to pain or plea 0 epicurean: one who is given to physical plesure (food \bigcirc Cannibal: - A cread are one who kill + eats the same class 0 Casino :- A large place where table laid for gamblin Reformatory: - A house where child offender kept callose: - A person who is stone hearted & crullinside Gutton: - one who eats Joy tuly 0 Alimony: - Some amount given to ex wite after divo. beguire: one who is easily cheated. bookworm: one who always keeps reading book 0 Fastidious: Aper same meaning stoic A person react same to pair 0 Polyglot: one who knows Several languages 0 Arstiocrat: - A government by a group of geiderly peop Hamlet: A group of Small houses remote from a ville Θ Pesimist: One who sees everything negative side. \bigcirc Legible!-Something can be easily red. 0 carcass: - A deadbody of unclaimed animal. 0 cosmopolitan: one who feels the entire world is a fami 0 Feminist i-one who supports wom as & their feelings, or how \bigcirc misogynist:-one who haves women 0 misanthrope: - one who haves human being \bigcirc parasite: one who lives on others teetotaller: one boho avoids smoking + drinking habbi Bilinquist: one wno is expert in two languages

philatelist : one	e who collects postal stamps as hobs	9
lexicographer:-on	ne who Composes dictionary.	
Kleptomania : Att	itude of stilling for no reason.	\bigcirc
	st and final speech at the end obdo	an
	peech at the begining of a drama	
epitaph 1- Someth	ing written on the topos the tomb	$\overline{}$
Paleography:-an a	et ob desiphering the antient scrip	40
	t 02 beautitus handerofting (mering	
Ordination:-The ce	remoney of declaising someone a pri	St.
bigot :- one wno	is very rigid in his thoughts	0
dogmatic: one wr	no is very Rigid in his thoughts	
Ceilbare:-one wh	o abstains from women	\bigcirc
extempore:- a spec	ech without previous preparation	\bigcirc
	e who walks in sleep.	0
	e who talks in sleep.	0
utopia:-some feel	ing or thought which is in practical	O
fatal: A désease	which ends with death.	0
Topics to learn	which ends with death. Thout salary.	0
) Phrasal verbs		0
2) Compulsory prepa	eg Hima	0
,		0
3) Prepasitional phro		0
4) optional preposition		0
i) confusing preposition	uns	
Rule NO-52) The	following verbsare misconceptate	\ominus
used with misasso	dation of the give preposition	()
describe	about X	0
discuss		0
wait for a wait	tor x	0
avoid	from x	0
Join	with x	0
retwen	back x	
enter	into x	<u>_</u>
ask for order	for x	(_)

of she has ordered for three cups of coffee . (ordered) She is awaiting for the rply from her beloved. (await Rue No-55) whenever the following verbs used don't give to before second verb \bigcirc 0 eg. 7 Parents make busty to do the homework. 0 2) my friend helped me to come out or my problems 0 last year. Rueno-56) propose = to v x Retwen - to V x o) my friend has proposed to the girl / the girl to Mr Ravi for employment. 02) Iam going to propose geeta for marriage (a grower in hand) [propose to) Rule NW-57) The following verbs are notatall associated with to tell 0 Call 0 give i v for w Suggest ()advise command 0 Request 0) I Suggested to nim yesterday. \bigcirc

Phrasal verb >Look at :- To see Look for :- Search for LOOK Forward to 1- walt eagerly LOOK into: Intenfere Look through: - find fault with others Look upto :- Referring to dictionary Look to !- wait anxiously Look up :- Repact LOOK down :- Insult Look down upon - pull the leg in Public. \bigcirc act for: To work in Somebodys place act on: to show impact act upon: - work acording to \bigcirc »Bring down: - detit & reep under control 0 Bring up :- Raise childeren Bring to light: - make Something public Bring for-word to: - Convey \bigcirc , cut up :- To reach the expectation. ()cut down: To minimize, lessen \bigcirc cut in :- To disturb, to interupt Cut out for: perfect matching , put down: - conact Bring down: - defit + keepunder control put for :- convey reserve for later use put in !- to increase slowly Put out :- keep lamps off Put up with: To have patience, to enduce. put of: - postpone put by: - to save money, to saving () put forward to: Bring forward to: - convey set on: - to inspire, anchorage Betoff: to Start For Set down: to Start up Something Set in : to start up something Set for :- to start for curusiyo ,- + mulout

-> call on 1- earl To visit formaly acaucout/caucin:-To have dispute with cau for; demand for cau up: dial, make a prone cau * Can off: - cancer, withdraw from bund; strike call at :- visit informally 0-> fall on: To attack, waige war against fau for: - Start liking \bigcirc fau off: - Sleep down, fau down \mathbf{O} fall in/out: causin, call out (Pickup quarrel) \bigcirc fau back: To withdraw from war, chauenge \bigcirc Fauto: get ready for eating. fau for: - Start liking Go on: Continue, happen Goup: - Rise \bigcirc Go down - Falldown ()Go through :- Read Go by :- time spans back 0 7 Get on: prolong, maintain (Neigher profit nor los: Get off: To maintain distance, to come out of any Get over: To overcome (challenges) Get through: To pass, succed. > keep off: - Avoid keep up: To sustained, to maintained the same * keep back: To maintain a secrete E keep for; - Reserve For, put for FRUN out OF;-TO expire money or time with us Run into:- meet unexpectadely Quan down: - have upper hand in orgument, use harst * Run overon: - hit and crashed ismashed by a heavy ver or heavy body @ Run out: - To have middle drop. Swork on: act on, to snow impact work for :- To do favour work upon: - act upon, work according to *work into: To have Seat/ place/ admission very hardly work down: - make some work easy annonnal colup.

workup: - set in: - to inspire, anchorage Break Breakup: - get seperated from Breakdown: A Sudden collapse in a machine Break in :- cut in: To distrubito intrupt Break Honough: - atwening point, suncesser ()Break into: Stilling, theft, enter unnoticed Break off: a cut in paper or cloth or thread Break open: Open Something by breaking \bigcirc Break out: - Spread of gossips, desease Give Give up: - Sacritice, Stop a Practice of Give out: release Given to tuly involved Θ Give in: to surrender, to yield 0 Give away: - to distribute 0 Given to: - fully involved TOKER Take obb :- To remove cloths or ornaments from, a rising point from ground Takenter: To understand Take to heels: - to runaway from, escape \bigcirc 0 Takenaback: Got Snocked, Surprised 0 Take after: have resemblence, similarity 0 Taken into: - fully involved 0 Take down :- writedown while dectation Match the following , have gone to send for ~ 0 > pass information 0 Send off -() spid farewell Send through \bigcirc for a nutor bolt , understand. make away with. give compensation make into go away from make out. yget sid obtone (by Killing) make off -Maloona fox Yan Lor hand 1.

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i) my cusin has recently worked—III knaragpule
   by Fracking Gate-18.
                                       enone
                           dy with
                   c > + \alpha
  a) to b) into
  opposite words (Antonyms)
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                               Growfat
     Languish
                           ×
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                               Complain
     commiserate
                           X
()
                               admire
     Abhar
                           X
\bigcirc
                               Punish
     condone
                           X
()
      Importune
                               please
                           X
Grovel
                               Standupsitht
                           X
passive, inactive
      Covet
                           ×
0
                               Befair
      Malinger
                           X
                               skeptical (doughtful)
\Theta
      Susceptible
                           X
0
      Animosity (Love)
                               Houred
                           X
\bigcirc
                              Infamous, un populare
      Flagrant (famous)
                           X
augment (decrease)
                               decrease
                           X
0
                               respectful
                           X
       Supercilions
0
                               perish, deminish
       Resurrect
                           X
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                               Fautless, infallible
       Sophistry
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   Compulsory preposition:
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   At: ain, Rejoice, arrive, Stay, Steare, gaze,
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   wink, Blink, mock, laugh, smile, throw, peck
\bigcirc
wonder, frown
()
0
  On : FInsist, relg, impose, invest, comment,
       demandtor
   compliment, force, pressure, Based, depend
\bigcirc
  to: Belong, pertain, accustomed, addicted, closs
             next, listen, speak, talk,
  for: wait, desire, zeal, aspire, crave, happy
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from: Stop, Restrict, abstain, refroin, Forbid, prohibit, exile, Banish, dessistakeep away of: fond, keep away from Convict, acquiet, clispose, acquiet, chispose, Boast, Relive, think, awareof, beware, avail by: Stand, abide, agrowingth to an , Reserve (for) against: Reble, level, lean, Loan, Reserve (for) cancel, Revoltagainst \bigcirc 0 over: preside, twenover, makeover, handover, in: - belive, come, abscrbed, sink, drown, plunge 0 absorbed, involved, Submerged, soke \bigcirc my sister is fond DE. Sweet (of/for)

2) The medicine has given me relit from Sturmkachell optional Prepositions: y deal _ In = something out = problem with = Somebody p blind _ to 3) Agree _ at to 4) part-trom son Q.

(care ob With with 5) Angry - with sombody 6) familier to 7) complain-tor 0

- For at something - against Responsible—to something—to manswerable—to poray-to Godincompaire-to account positive. blind to -> careless, neglectively of really blind. Angry at -> something with + scmebody Aprel with) Somebody to-something Complain to + receiver Dermon E + 20 (DRD

21/04/18 Antonyms: \bigcirc Acceptance Abnegation X skeptical (doughtful) Susceptible \times unbending Indomitable X Achievable An Invincible \times ponderous Livery X \bigcirc Loyal Insurgent X Faithfull perfidious X Retain, keepup the same \bigcirc efface X () deflate Inflate X 0 Keep abjure X 0 poor, not rich X Affluent \bigcirc close Χ divulge (open) notorious (famous) Illustrious X exclude Involve (Include) X 0 disagree concer (agree) X Invisible Conspicuous X 0 dissuation Inducement (*) X 0 allowe Inhibit X 0 resist X Succumb evelegre Lavish X keep away allocate X 0 include ostracize X 0 admite siolionizarentre Repudiate χ Confirm Rebut () X enforce Reseciend () × Prove Conjute X make useful, avail 0 nullyty X 0 proscribe X allow 0 Rejected Accepted \propto 0 Love, frienduness Anger X \bigcirc Loved hated X disobey

Obey

Vividiy x Unimpressively	\bigcirc
deviate × concentrate	
Latent x hidden)
Direct and Indirect speech	\bigcirc
	0
Schence	0
	0
Assertaive Imperative Introgative Exclanetry	0
Direct speech is the actual words or version	3)
of the speaker	0
eg: She said, "Iambusy"	0
-> She said that she was busy	0
In direct speech is Combination of reporting	0
& reported part of one sentence.	0
	0
Rule NO-58) At the time of changing from	
a de la composición della comp	
direct into indirect link words are misconceptate	مرالا
direct into indirect link words are misconceptate	
direct into indirect link words are misconceptate given Septence Request-Requested to	0
direct into indirect link words are misconceptate given Sentence Request-Requested to	
direct into indirect link words are misconceptate given Sentence Equest-sugested to Request-Requested to commant-wounded to	0
direct into indirect link words are misconceptate given Sentence Request- Requested to commant - whanded to Asserblive Introgative. Exclametery	0
direct into indirect link words are misconceptate given Sentence Request- Requested to commant - whanded to Asserblive Introgative. Exclametery	0
direct into indirect link words are misconceptate given Sentence Request-sugested to Request-Requested to commant-wounded to that to "Giving work" — "asking?" who whom with that that That	
direct into indirect link words are misconceptate given Sentence Request-sugested to Request-Requested to commant-wanded to That To John Sentence Sentence Request-sugested to commant-wanded to That That That That That The properties of the superfield to the supe	
direct into inclinect link words are misconceptate given Sentence Request-sugested to Request-Requested to cammant-comanded to Asserctive Introgative. Exclametery "Statment" "Giving work" "asking?" "asking?" "asking?" "asking?" "hat to whether to whether That bring here	
direct into indirect link words are misconceptate given Sentence Request-sugested to Request-kequested to cammant-wonanded to that	
direct into indirect link words are misconceptate given Sentence Sentence Request-sugested to Request-sugested to Request-Requested to cammant-whanded to Throughtive Exclametery "Statment" — "Giving work" — "asking?" What Whether to Whether to Whether to Season, No error 3 (Imperative Sentence) 4	
direct into incurrect link words are misconceptate given Sentence Sentence Request-sugested to cammant-wonanded	
direct into incurrect link words are misconceptate given Sentence Sentence Request-sugested to cammant-wonanded	
direct into indirect link words are misconceptate given Sentence Sentence Request- sugested to Request- Requested to cammant - wanded to that That To That That That That That That The district managoes as it is the Summer Season, No error That The principal enquired me that I was Going to my native place the next day on account of divaling The superative sentence of the my native place the next day on account of divaling The superative sentence of the place the next day on account of divaling The superative sentence of the summer of	
direct into indirect link words are misconceptate given Sentence Sentence Request-sugested to Request-sugested to Request-Requested to cammant-whanded to Throughtive Exclametery "Statment" — "Giving work" — "asking?" What Whether to Whether to Whether to Season, No error 3 (Imperative Sentence) 4	

/* :

3) The bus conductor questioned me [that] x would go after getting down the bust (ends with full top) Speech are senter no error. \bigcirc Rule NO-59> The following changes take place while changing from Distinto ID's 5 ay-say ID.S \bigcirc D.S says-says 0 then NOW Sou'd - sou d 0 there said to - told here that day ()today the previous day 0 yestelday the next day, the following day \bigcirc tommosao can could may might Θ Should, would Shou 0 Will would 0 must had to 1st & 2nd person pronouns: Si third person pronoun 0 0 past tense present tense past perfect tense 0 tense Past past continuos \mathbf{O} Present Continuos: :- past perfect 0 present perfect present perfect continuos tense: - past perfect cont ten 0 past continuos tense: past perfect continuous tens Request-you grerequisad sugession-you are suggested | adviced to Active voice passive voice command: you are can and ec 0 \bigcirc 0 Active voice is Subject based but passive ()voice is object based there are three changes () chiefly found in passive voice such as 'by' prepositi 0 A.C S.c into O.C (Objective case) mostly the verb is a centre of attaraction i.e. Vz \bigcirc 0 Kule 607 The one+ only preposition is by but in the following case two to is placed in the Know > to not by Place ob 'by'. eg: my contact no is known by au & sundry eventhon

Rember Remember, No error	
Rule NO-61) In passive voice only past participle	○
or vs should be used (however active voice	
takes V1/1/2/1/3/1/4)	
SPOKE!	0
egt The Regional Language marathi is spoke by most of the people in and around puné;	0
No error.	0
5	0
$A \cdot V \longleftrightarrow P \cdot V$	0
VI - is lare v3 by	0
v_2 - was/were v_3 by	0
has/have vz - has been / have been vz by	\bigcirc
am/gre/is N4 - is lare/am being va by	Θ
were/was v4 - was/were being v3 by	0
had vz - had been vz by	0
can V_1 — can be V_3 by	0
·	0
eg.) The student has drawn three diagrams	M O
- three diagrams nouse been drawn by the student	Ŏ
2) Shiva can solve the five problems	0
-) five problems can be solved by shiva.	0
3) They are laying a new road to Gole centre of	Q
> A new road is being laid to Gole centre by	
A new soad is being room	Θ
them out prepent.	0
F / / (1/0-00 - 000g) 00 000 / 1-	0
Gole circle, by / bye they 1 them a prescon	0
Disco for Inspector	0
sentence will be as tollows	
eg: - please, Stop Smoking.	
	0

	Apposite	X	Inappropriate
0	probity	X	desp. dishonesty
0	& cessation (end)	×	Commence (begin)
\bigcirc	Bl chivalry (brave)	\times (cowardish (timid)
	dismal (dull)	×	bright
0	Imperial	X	Safeguard
0	Shallow	X	deep
0	immune	X	vouinerable (weak)
0	Insolent	X	Humble
	Vague	\times	clear
0	Sucessor	×	predecessor
\bigcirc	geneal	×	Unkind
θ	despair	×	Норе
0	vindicative	×	forgiving
0	embellish	×	Spoil
0	Meticulous	×	careless
0	Commotion switch	X	tranquility (entil)
0	monotony	X	Varrity
0	diligent	X	lazy
0	Philistine	×	cultured
	Laceration	×	Heating Rated
0	Glossy (aerk)	×	dull
	Glaomy	X	Radiant (bright, happy)
	Strife	X	peace (shauti)
0	Antique	\times	Recent
0	Autonomy	X	dependence
0	awkward	X	grace full
⊖	flamvoyant	×	anshowy, Simple
	J		,

Note: If Imperative is not request or suggestioner command the beginer or passive is Lettoblie it crown is not the Lettobj + bevz eg: help the poor: Let the poor be helped Comprehension Passage 1 It is ment for ur reading capacity a underst-o anding Capacity by giving a medium Size text 1 followed by five questions (Q15 to 20) out on that 0 2 or 3 on the matter or content involved in the **()** text remaining 2 or 3 will be on meanings of hard word, Idioms & phrases, opposite word or 0 \bigcirc Antonyms. Θ Do's - I Read the passage twice 2) pointout major issues when they are repeated o \bigcirc 3) Read the Questions given below 4) be back again to passage third fine (while Conferming answers by ticking passage 0 0 itselt) 5) Ignore It there is tongue twister. ${}^{\circ}$ 0 Don't!-JDon't give direct option 0 2) Don't forget Rule out method while selecting 0 3) Don't stay at the question too difficult to \bigcirc \bigcirc 1) Don't Forget taking count on words, Idiams, phrases if there are. $\{\}$ Articles uses ob a:) before concenant reginers eg:-abook, a fan. 2) before any noun to show Singularity egt- she wanted a state (one state) 3) before any noun for the meaning any

4) placed before owels also not because of spelling but only pronounciation. exclusively the Sounds 00 "yoo", "va" (7,01) eg a university, aunit, a one super coin, a oni regged man Uses of 'An':egi-anapple, an affican prefore owel beginers an orange. 02) An can be placed before even congenent also-O when its pronounciation is '3TI', '3T' 'Aa', 'A' 's Og an honoux, anhonest men, an honorary 0 3) placed before absivation, conose beginer is o oval sound (Irrespective or spending) O egenFIR, an M.P, an MLA, an IITIAM, g: Bahubali is atan Rajnauli cinema. 02) Rowdy Rathore is a/an s.s. Rajamauli movie. 03) en vandey materiam is a Rahemans album. Que mo-63) Before material nouns article 'The' Ps eg:- The coffon, the sand, the malk, Note! - But auticle 'The' can be given before material eg: The cotton from maharashtra, gajrat & punjab is owner Specified. @ Rule NO-64) Before abstract nouns article 'the' is of Superior quality. The wisidem, the happiness, the knowledge prohibited. x - Note: - when Abstract nown specified article the c placed before

egi-) we can buy things with money but we can't buy the happiness with money. (X) 2) The happiness on the face of the kittle girl () made me elated when I offered a new dress (M) Words often Contrused: Homophens:-Receive Accept (V) i without except (P) Reachability, gain 2) acess (N) More than enough excess (N) Adjust to adapt (V) Raise a child legaly \bigcirc adopt (V) skilltul, expect Θ (AC) adept unfavourable 4) adverse (Adj) 0 unwilling averse (Adj) To show impact, actor, worken \$ affect (V) Impact (N,V)effect space before statue of god 0 6> alter (M) change (V)alter affectionate, friendly 0 ancieble (Adj) human 7 Suitable, Comfortable amicable (Adj) Hings happening twice in 1 yr 0 8) Biannual (Adj) happening once in 2 yr 0 Binniel (Adj) dislikin9 Inditberent, blind to, caseless 8) antipathy (N) abhtay (N) Suitable 10) apposite (Adj) orval opposite (Ady) Painter outist Π) (N)actor artiste (N) A person ob handicraft w autisan (N) ◐ assignment, to test 12> assay (V,V) a large piece of paragraph essay (N) aught (Ad) anything 137 (AuxilaryV) Should ought security, starrity, helpout (N1N) 147 ball

Prohibit, forcebuly sentou banish (v) hide oneself voiuntari 15) exi16 (N) space for sleeping peath (M) 16) (N) birth. by the side of beside (P) 17) In addition to besides (conjuntion) of a bride bridal 18> (Ady) controlling so peop horse 0 bridle (भ) त्रजाम thick cloth for tents or pain! (9) 0 Canvas (N) publicity 0 Canvass (V) test check (v) 20) Cheque book to receive money cheque (N) Silly, mentally immatersed 0 Bodily immatured (dwarf childish (Ady) 21) childlike (Adj) 0 aroup or singer Choir (N) 22) 0 fiber or coconute Coir (N) 0 to give example cite (M) V) 23) -aplace for Construction Site (N) sight (N) vision or Interior quality 24) Coarse (Adj) span of time 0 Course (Acy) words or a praise/admi Compinent (H) 25) 0 finishing, ending climais complement (H) 0 \bigcirc 0 Θ 0 0 0 0 \bigcirc

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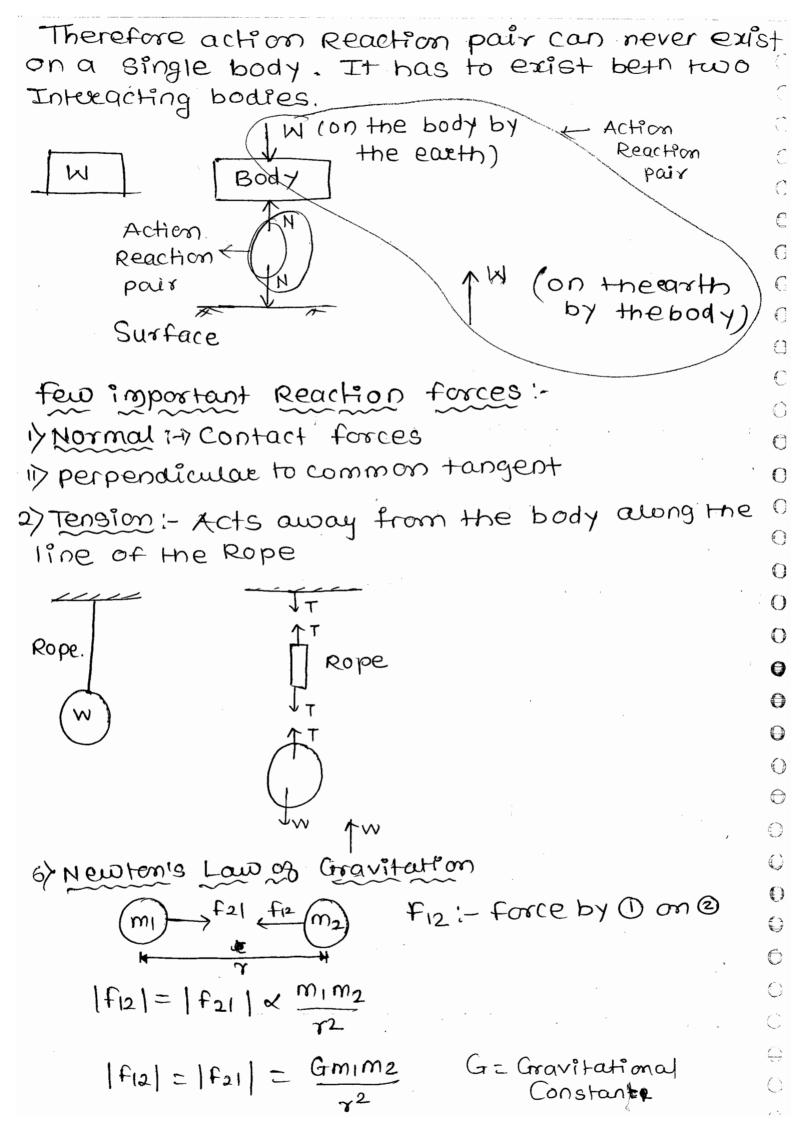
22/04/18 Mechanic & Mechanics - A science that deals with predicting the states of Rest and motion of Bodies under the influence of forces. Mechanics 0 Motion (Dynamics) ()Rest (Static) ()Body: Anything which has the property of Inerti is known as body. ()Inestia \bigcirc Θ Rotational Ineetig Linear Inertia 0 てこエ・マ F=m.a The property which Resists any kind of 0 Change in the State of Rest or uniform motion along the Straight line of a body is known as Inertia. The Representative of Linear Inertia is mass 0 the Representative or Rotational inectia is mass moment of Inextia. mass moment of Inectia depends on 1) Mass of the body @ Distribution of the mass with the point of Rotation. Body 0 0 Deformable body Non-deformable \bigcirc (Rigid body)

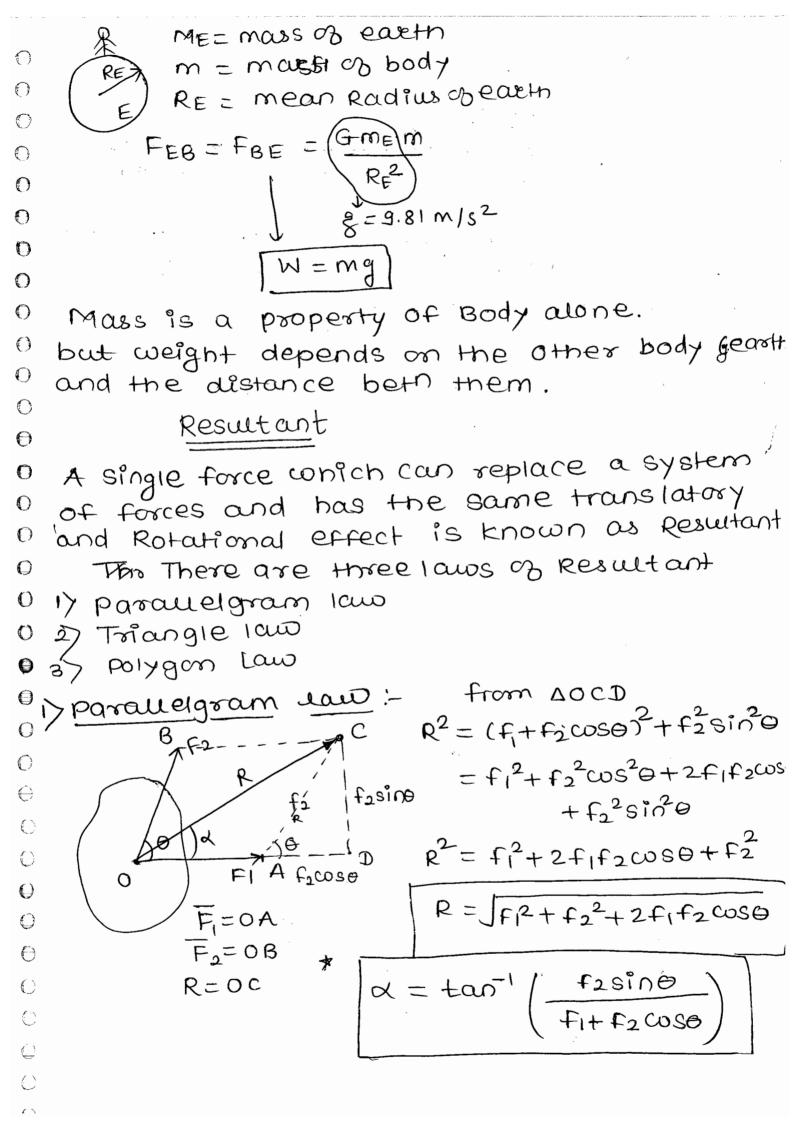
Engg mechanics deals only with Rigid body

(Particle)-) Nodia

Rigid body 1- A body in which the distance bein any two points does not change upon the application of any amount or road is known as a Rigid body. dras Ja A Rigid body with neglisible diamensions is known as (Concurrent), particle Properties:-) skain E = = 0 2) Elastic Modulus E = Stress = Stress = 00 (Intime) Horce: - Force is a vector quantity which changes or hies to change the state of Rest or uniform 0 motion along a straight line of a body Mag | dir F=fxi+fyj+fzk Scalar one > vector 1F1= JFx2+fy2+fz2 shows + Tensor 0 SI - N = 1kg. Im Units igoredotCGS 1 dyne = 1gm 1cm = 105 N 1 dyne = 105N System of forces:-) collinear forces + Non-collinear forces: Allong the straight line. 2) Like and unlike forces. forces having same direction scense are known as like forces. (三) forces having outb direction scense known as unlike forces (2)

3) concurrent & nonconcurrent forces. A set of forces whose lines of action coinsides at a Common point are known as 0 Concurrent forces. \bigcirc 4) coplance & noncoplance forces. A set of forces lying on a common Plane are known as Coplaner forces. (Non-coplance forces not necessary for study; Principles in Mechanics) Law of transmissibility Of forces: 0 2) Concept of Resultant. 3 Newtons Law's of Motion 6) Newtons Law of gravitation 0) Law of transmissibility of forces: The net affect of a force acting on a rigid • body does not change when it is represented anywhere along its line of action, in the O same direction 3> Newton's 1st law or motion (def or force) An external force has to be applied in order to change the State of Rest or Uniform motion owng the Straight line of a body It is also known as Law or Ineetia. 04) Newton's second Law or motion $\vec{E} = m \cdot \vec{a}$ 5) Newton's third Law 50 motion for every action there is an equal + opposite Reaction bett the two bodies in Interaction,





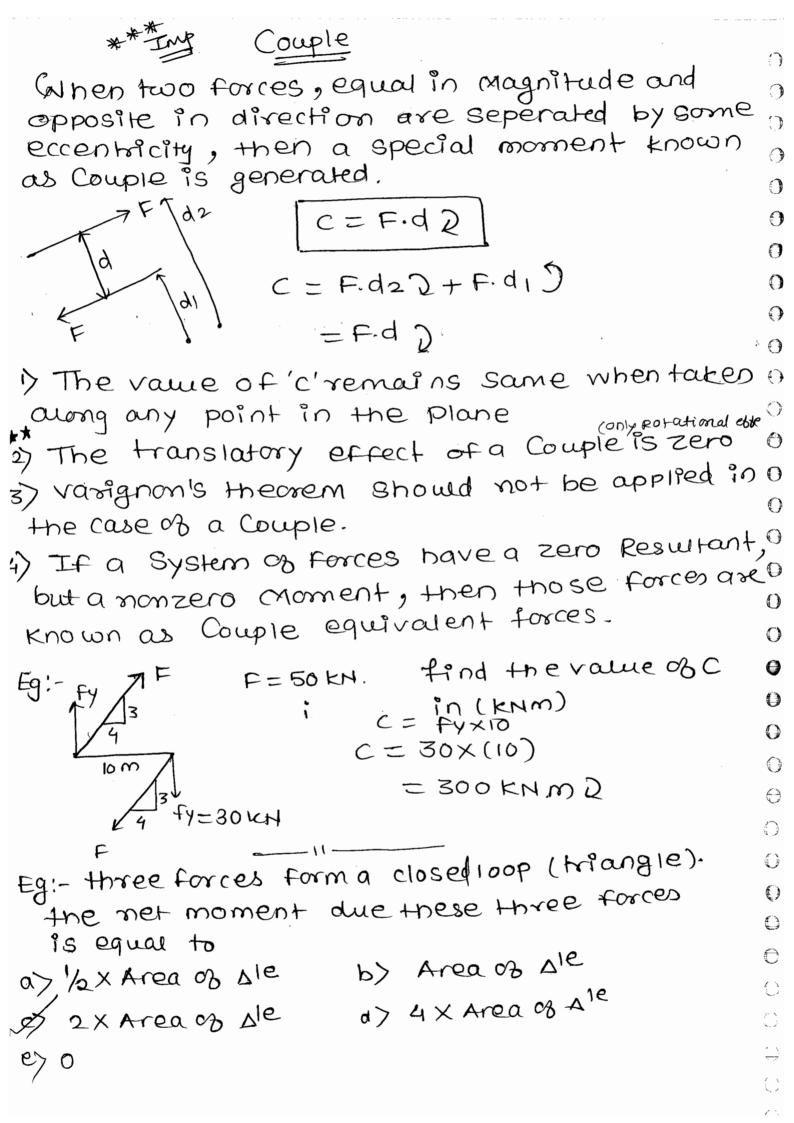
i) Maxm value of R $\Theta=0$ $R=f_1+f_2$ R= Sum of fitf2 i) min value or R R= diff of 0=180° [R=F1-F2] F(+f2 \mathbf{O} Q1. Two forces of magnitude 3 KN & 4 KN actor 0 a particle. Which & of the following forces \bigcirc cannot be its resultant, → a7IKH B3KH C>6KH VOS9KN \bigcirc min^m Resutant max^m Resultant $R_{\text{min}} = 4-3 = 1$ $R_{\text{max}} = 4+3 = 7$ Range=[1,7] including 147 2) Triangle Law: By Sine rule 0 When two forces are in the form of side of 0 a briangle then closing side is a Resultant 0 or a briangle. produced by law forces 3) polygon Law :- The closing side of the polygon Represents the Resultant \bigcirc polygon Law is obtained by applying tonsicutive triangle laws * - The Resultant of forces creating a close 100p is aways equal to zero 1

But the net moment is not equal to zero. A net nonzero moment where the Rescutant Force is zero is known as Couple equivalen' 0 Moment. 5F=0 **(**) couple equivalent Moment 0 Resolution of forces 0 Fx= Fcos 0 () \bigcirc ty = f sine \bigcirc if 'n' no. of forces exist 0 fi -> fix, fiy. 0 f2 -> f2x, f2y " - -0 ()0 fn -> fnx, fny 0 Sfx=fix+f2x 0 Efy = fzy+Fzy 0 $\Theta = +a\bar{n}'\left(\frac{\xi f y}{\xi f x}\right)$ 0 $R = \sqrt{Ef\chi^2 + \xi fy^2}$ () 0 Efx= 40-100+FCOSB 180KN Θ Efy = 80-30 + f sin0 Ex:-91) find the value of 0 F such that Resultan 740KH 0 100KN is completely rectical. \bigcirc 2) find the value ob Resultant using value of from 30KN Q1. -60 #fcoso =0 シャメニ0

sino = 315 Efx=0 FC080+40-100=0 $\frac{4}{5}$ F = 60 F = $\frac{300}{4}$ F=75 KN () Efx = 75 × = +40-100 = 60 +40 -100 = 0 0 $\Sigma fy = 80-30+\frac{3}{5}x75 = 80-30+45$ = 50+45 () \bigcirc R=JEFx2+Efy2 = fy = 95 KH \bigcirc ()Moment The Rotational effect created by a force about a point is known as Moment of force. It is a vector quantity. It's direction scenge () are given by clockwise of anticlockwise 0 Mo = fx(perpendicular distant) 0 = fxr) -> kg·m²/s² Units = N.M Dian = [ML2T2] Varianon's theorem 1-E Mofi = Mor 0 Stat: The Sum of moments of Forcesina system about a point is equal to the moment of their Resultant about the same point In other words sum of moment= momentos sum

coso = 4/5

FY FE65KN Find Mofit + ve) 0 lom $\cos \theta = \frac{5}{13}$ E MO = MOEX + MOEY = 65×12×10 = 600 KN.m = 600,000 Nr () Intercept of a force when its perposistant 0 from the Origin is given. 0 Given: F,d, 0 \bigcirc Find: CX + CY **(**) 0 Mo = Fx.cy = F.d 0 0 0 0 Cx 0 0 $M_0f = fy \cdot cx = f \cdot d$ 0 Θ 0 0 0 0 \bigcirc



EMC = FIXh 0 $=2\times(\frac{1}{2}\times f(Xh))$ $= 2 \times (\frac{1}{2} \times \text{basex height})$ 0 = 2 x (Area or triangle) 0 Equillibrium 0 A condition in which the net unbalanced 0 forces of the net unbalanced moments acting 0 on a body are equal to zero. is known as \bigcirc equillibrium. Linear momomentum = Cons! Θ > Angular momentum = cons 0 0 * Conditions of equillibrium for Coplaner concurre 0 forces. System ob 0 SPX=0 0 2 fy = 0 Non-concurrent System of Forces: 0 Coplaner 0 (moment is thus) Sfx=0 0

2 Fy = 0 0

 Θ

()

EM2=0 concurrent system of Forces: Mon-coplaner (No unbalanced moment)

SFXIO

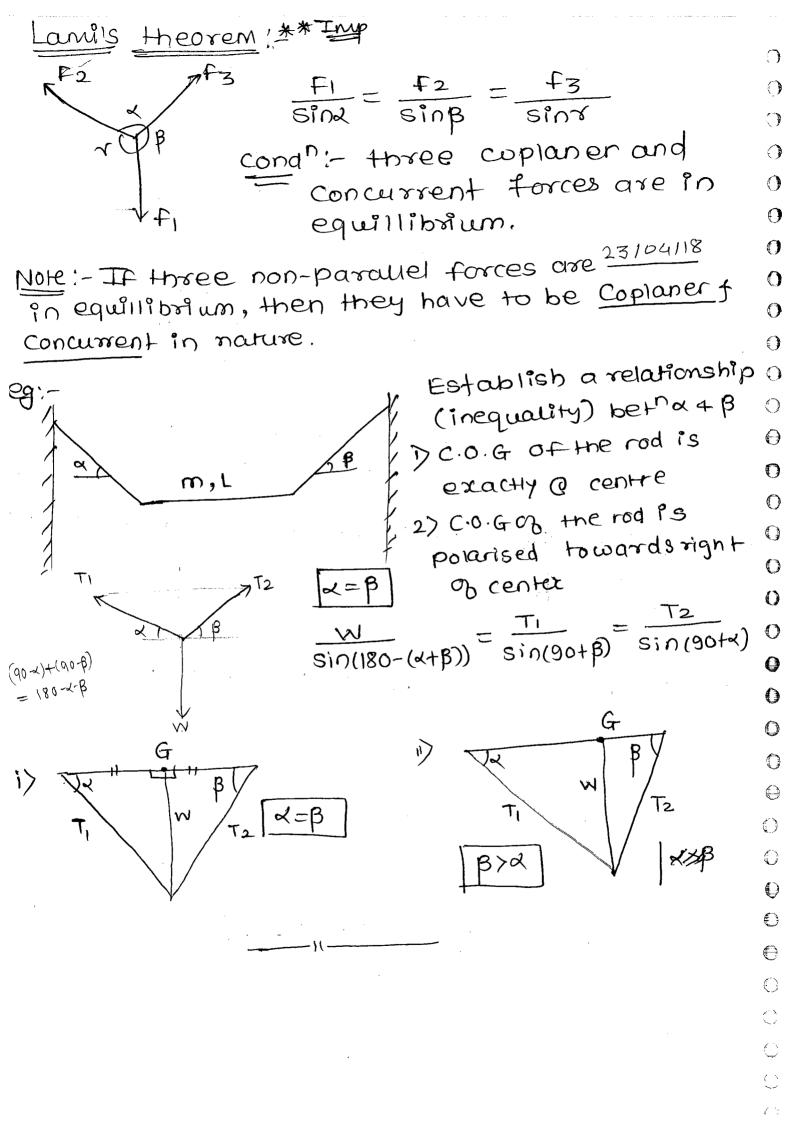
() 2 fy =0

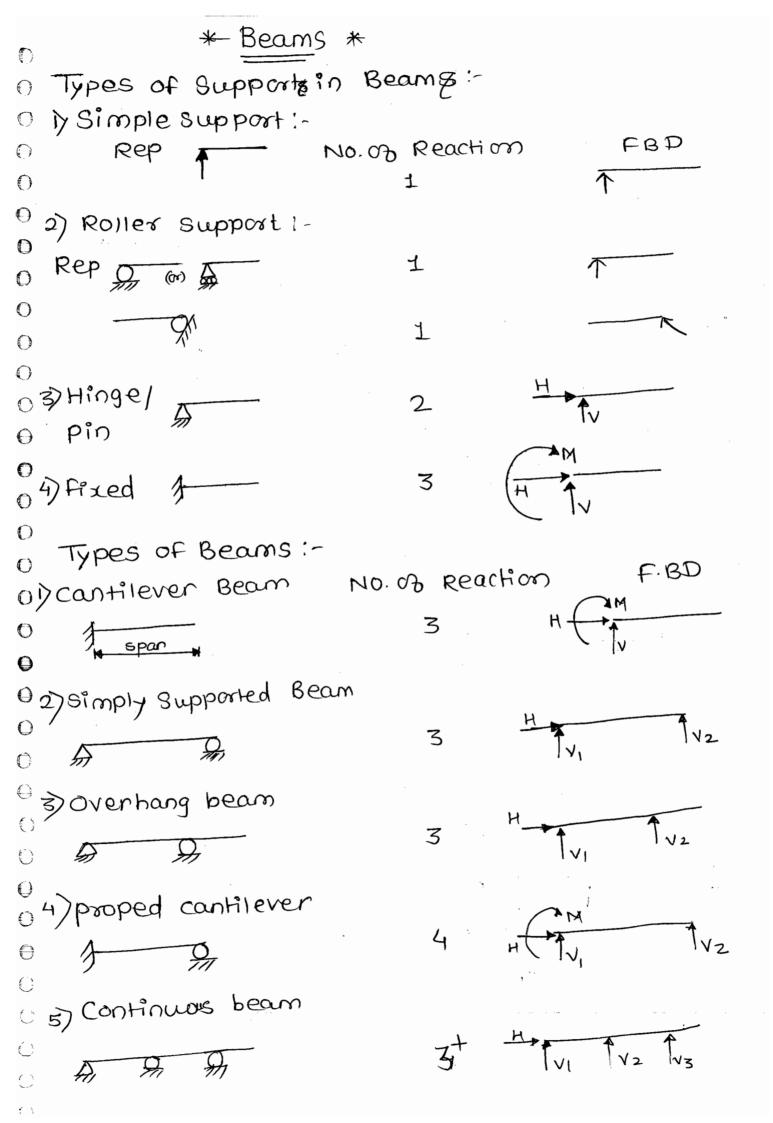
Mon-concurrent system of Forces: 2f2=0 0 Mon-coplanes 0

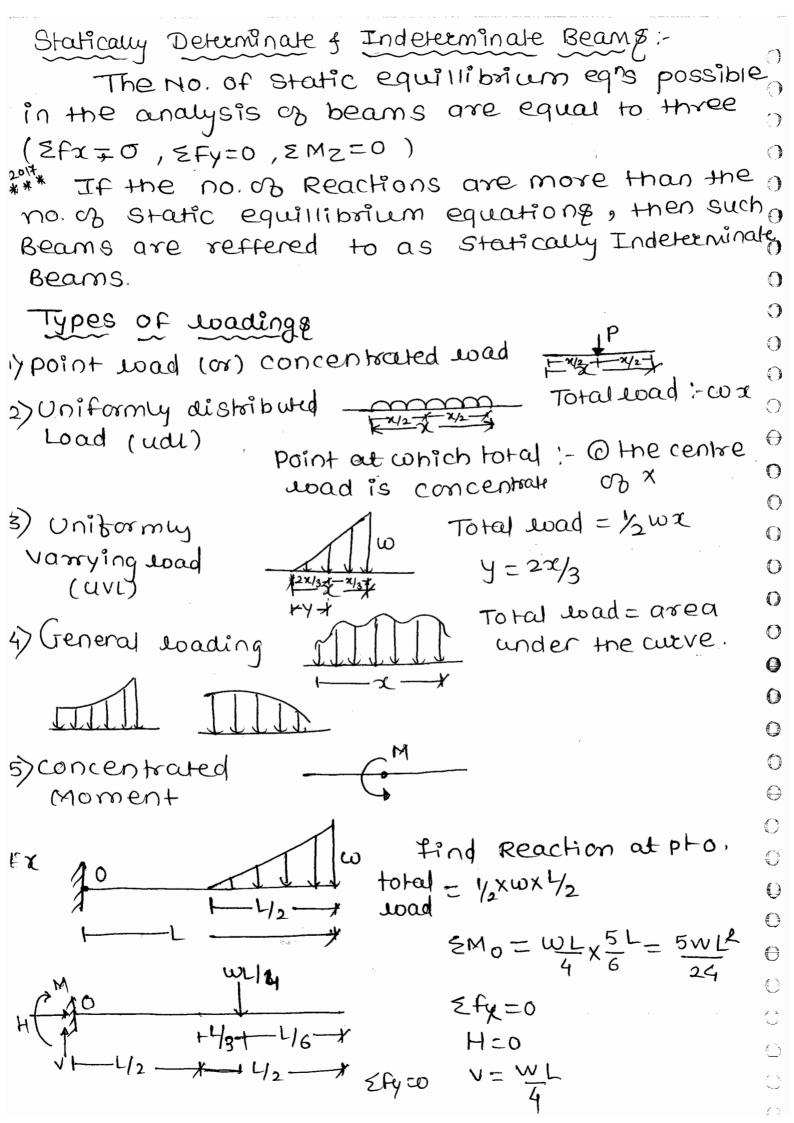
SMX=0 Etx=0

0 EMY=0 2 Fy=0

EMZ=0 &fz=0







* Analysis of frames * frames are structures formed by Joining uni-form Blender rods in the form of continuous triangles by using pin Joints. i) The weight of every member in a frame is \bigcirc neglected in its analysis. igoredot2) Every pinjoint Connecting the members in a 0 framé is assume to be frictionless in nature. \mathbf{O} 3) If every member in a frame experiences 0 only axial soading, then Such a frame is know 0 as truss. this implies truss member do not 0 experienced bending woods. If a member experienced Compression Tolling Strut 0 0 T+ tie/tierod 0 tensi on The Condition for a perfect truss to exist is 0 given by 2j = m + 3 |00| m = 2j - 30 0 j 1- NO or joint m:- No. or member 0 If a truss has an extra Member (more than 0 required member) then it is caused as 0 Redundent link/Redundent Member. 0 The loading in a redundent link is alway \bigcirc () equal to zero. 0 eg or Redundent link: If a truss system has a Joint at which only three Loadings are acting, amongst which 0 two are collinear and the third is perpendicula \bigcirc 0 then the third member is Redundent. 7EP2 3 wading 2 colliner (Lee) then third member is zero

Analysis of truss: 1st step: Identity the Reaction on support. 2nd step: - Draw the F.B.D 3rd step : use the suitable methodo of analysis. Rections 1-) EMA=O (VC=V) 2) EFx = 0 (HA=V) 3) ≥ Fy = 0 (∀A = 1) There are three ways or Analysing trusses DMethod of Joints 2) Method of Sections. 3) Graphical Method/Logical Method.) Method of Joints: - It is Suitable when the Loading in every Member has to be Identitied Each Joint in the truss system is maintained in equilibrium by using the equations for Coplaner Concurrent System of Forces. Efx=0; Efy=0 Steps: Dichoose a Joint having a maxm of two unknows Loadings 2) Use the eggs of equillibrium, to Identity the Unknown loadings. 3) Use the foundout Loading's as known quantities for the adjucent Joints

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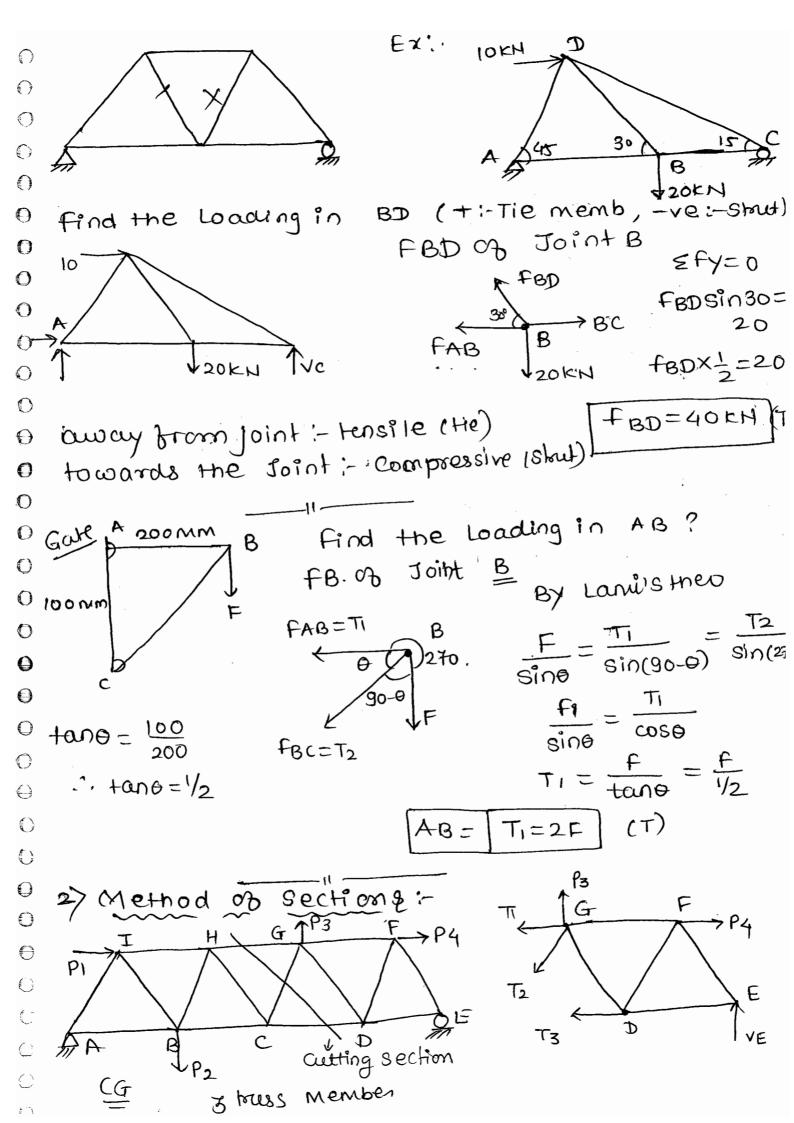
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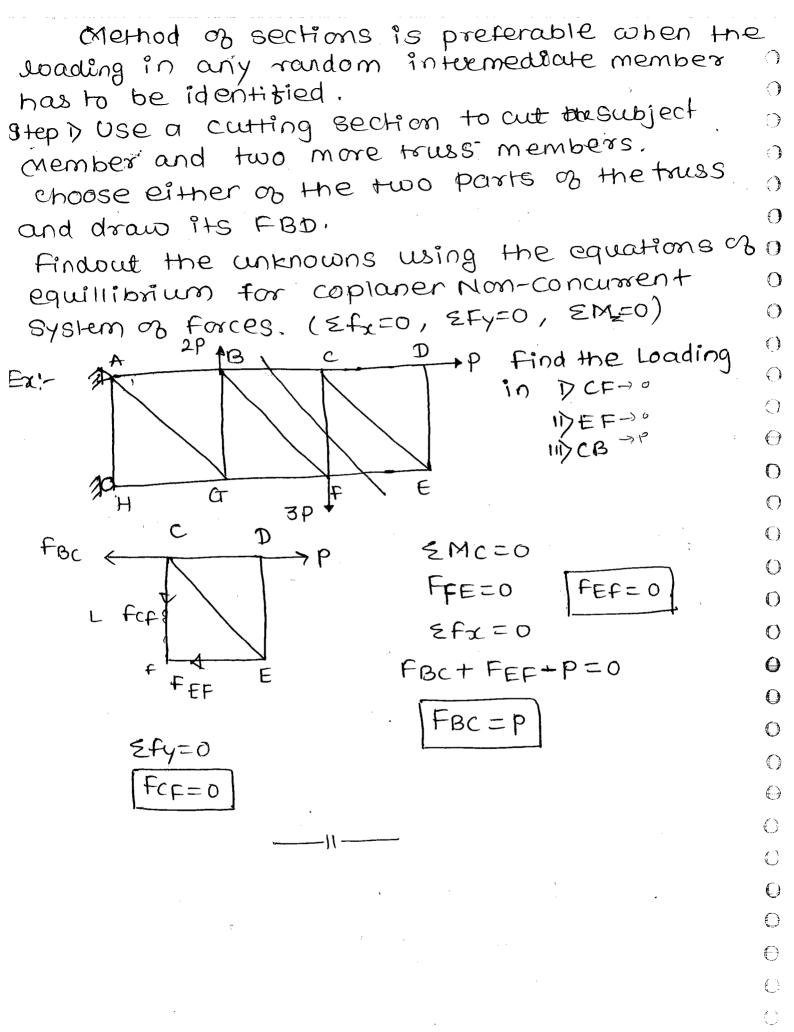
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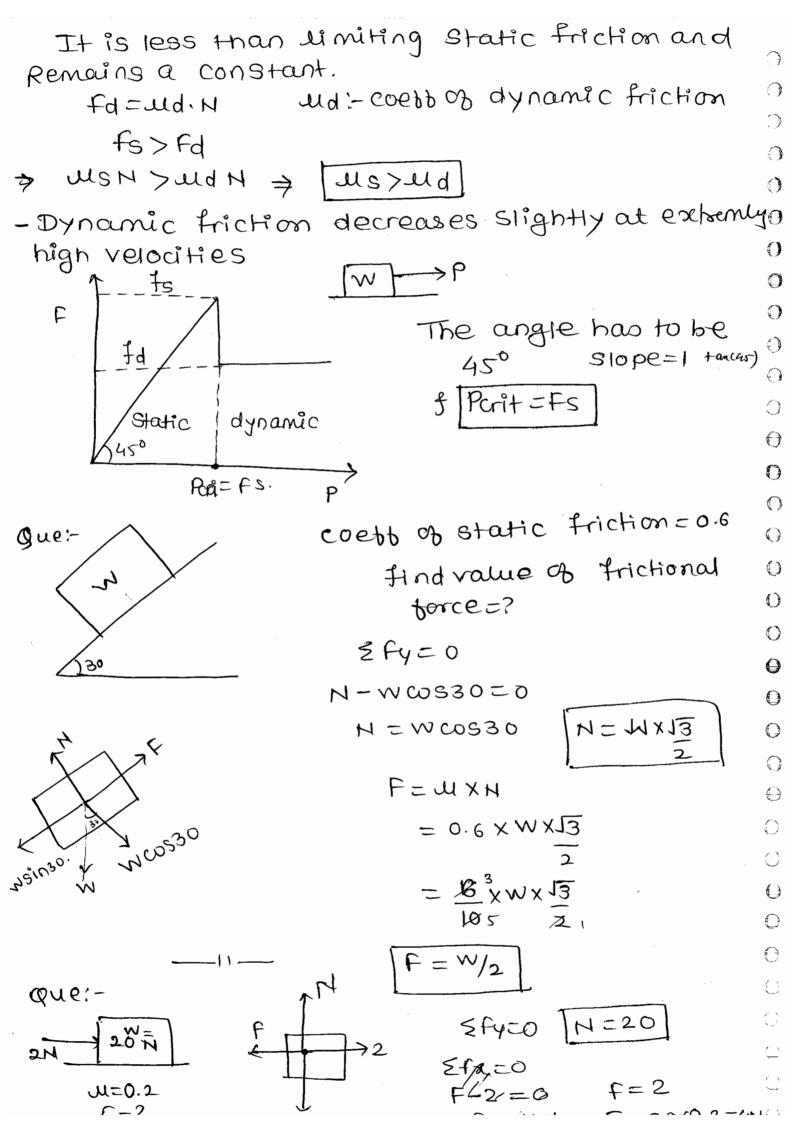
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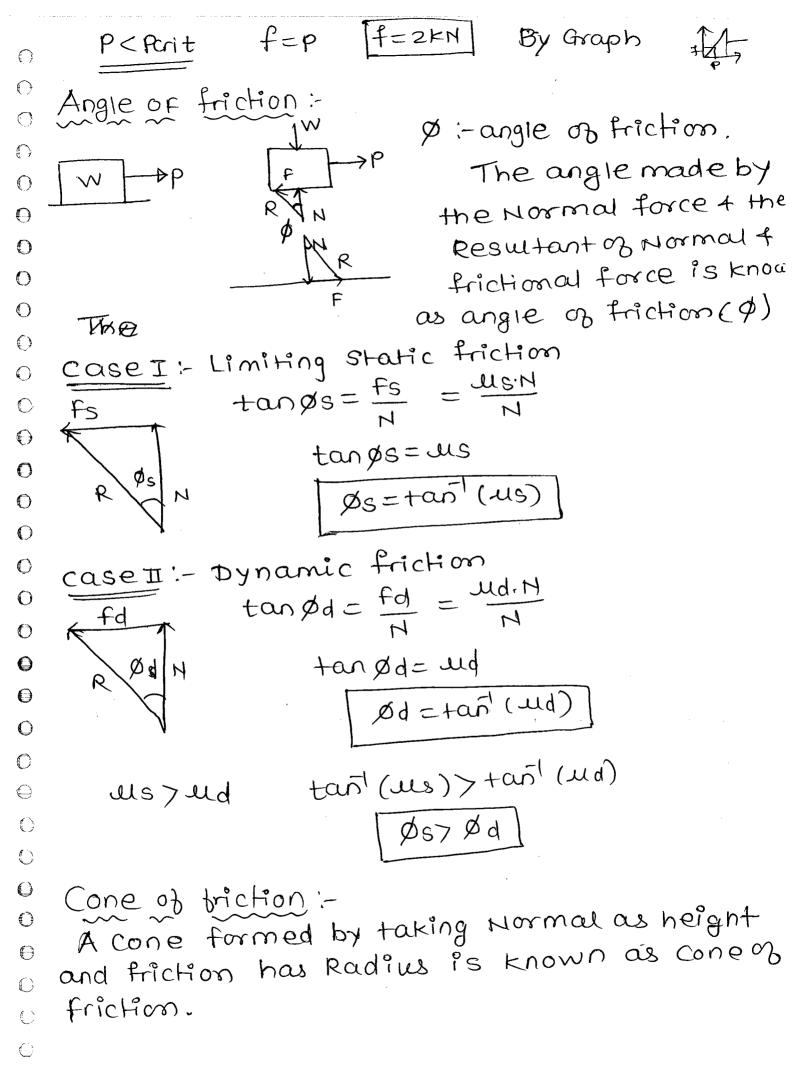
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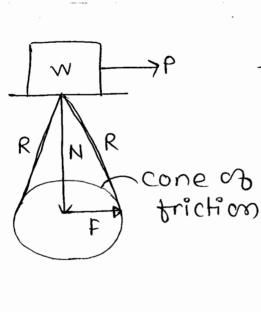


* Friction The Resisting nature against Relative motion \bigcirc beth two Bodies in Contact is known as friction. friction always also is a contact force like Hormal. friction takes place due to the Sweface Roughne beth the bodies in Contact \bigcirc Friction O Wet friction [lubricating friction] \bigcirc Dry friction (coloumbs friction) 0 Columbs Laws or dry friction: 0 i) frictional force is Independent of the area of () Contact beth the two bodies 0 2) frictional force is proportional to the Hormal action Reaction forces bett the two bodies in \bigcirc 0 F2N (Tangent of Angle of Friction) [F=UN] U:- coelb of Friction 0 Contact. 0 Coeff of friction is a binary property. It is 0 defined for both the bodies in Contact. 0 0 when a force is applied to a body and the body remains in static state as to the Surface • 0 in Contact, then a frictional force known as \bigcirc Static friction is developed. () Static friction is a nonconstant seitadjusting force which tries to establish static equilibriu The maxim value of static friction is known as limiting static friction. which is given by \bigcirc FS=US.N 0 FS. us'-coedd of Limiting Static Friction. - If the body is in dynamic state wir to the Surface in contact, then the friction force damanier Parlim no kine





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The slant height of cone of friction is represented/given by R. The biggiest cone of friction corrosponds to fs.

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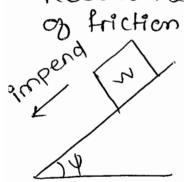
$$\begin{aligned}
& \forall = \frac{1}{3} \pi v^2 h \\
& = \frac{1}{3} \pi (fs)^2 (H) \\
& = \frac{1}{3} \pi (u_s H)^2 H \\
& \forall = \frac{\pi}{3} u_s^2 N^3
\end{aligned}$$

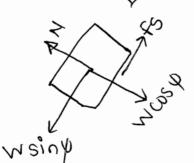
Angle of Repose

The angle of inclination at which a body Impends to slide down an inclined surface is known as angle of repose.

egi- The angle made by a heap or grains with a horizontal surface.

Relationship bett angle of repose and angle By eam





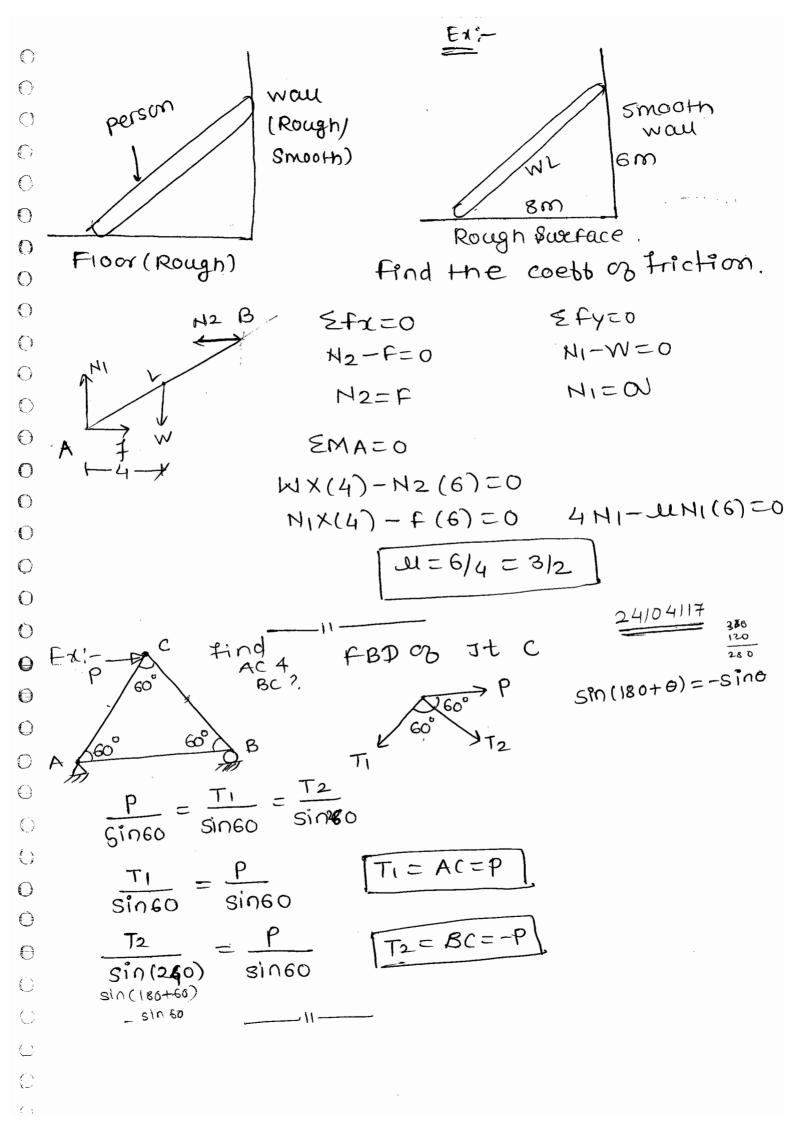
EFY=0 N-WCOSY=0 N=WCOS4

FS = USN = us wcosp

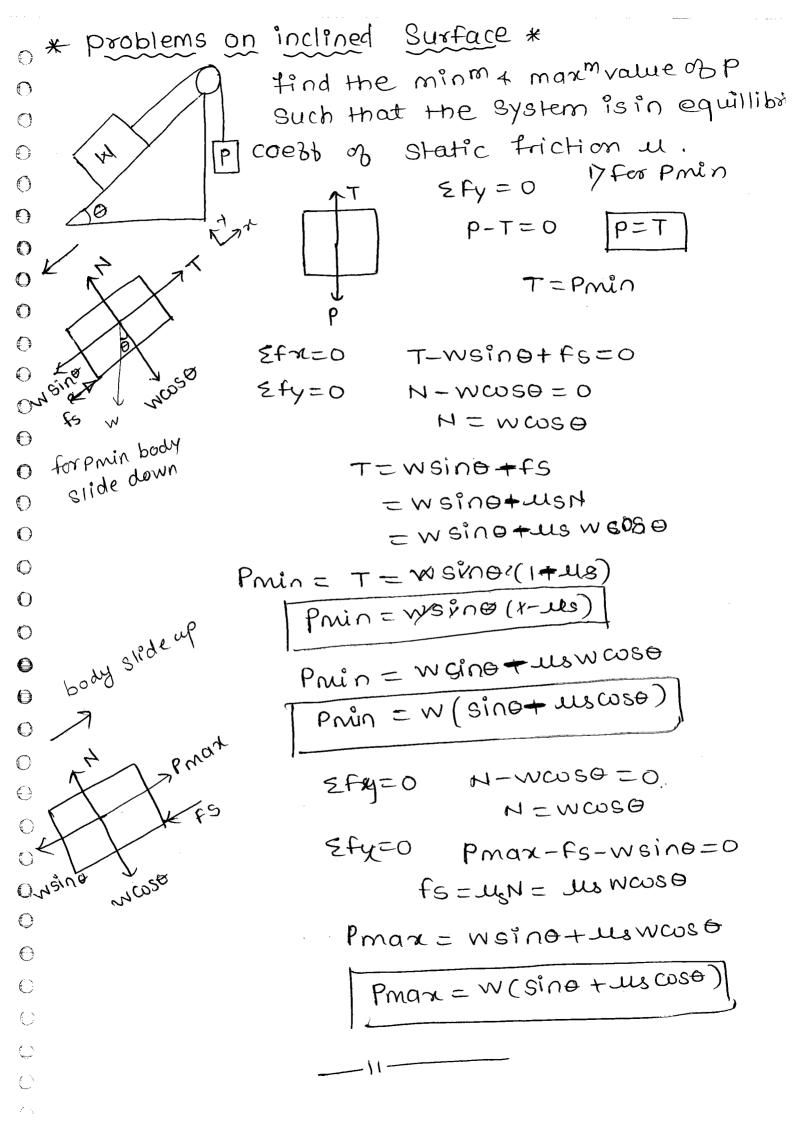
FS=WSin4 2fx =0 fs-wsiny=0

us wcosp = wsinp

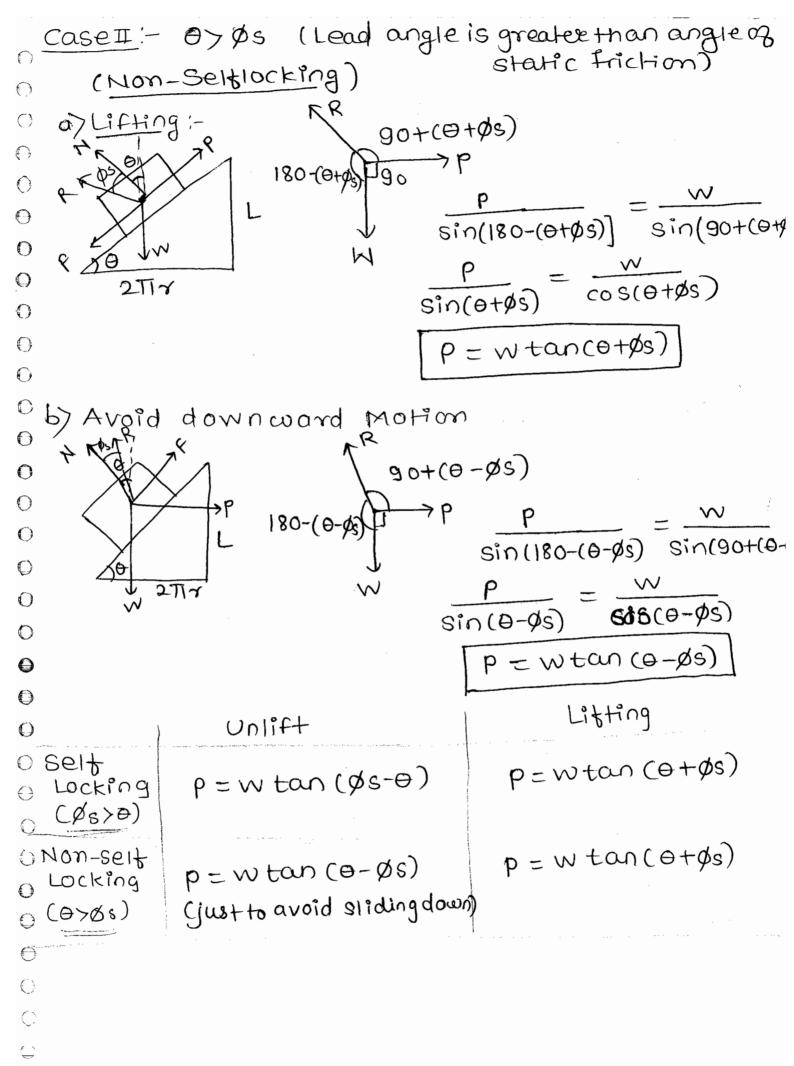
us = tan p tangs=tan y



L-43 EX:find Reactions SMA =0. PSin45 x 2 L - RBEO RB = 2 L x P J 5 1 Efyco RA+RB = PSin45 1 $RA = \frac{P}{\sqrt{2}} - \frac{5P}{3} = \frac{3P-2P}{3.5}$ 1 \bigcirc RA=P 352 0 HA=P/52 Efa to HA-PCOS45=0 0 0 $VA = \frac{Pb}{r}$ VB= Pa \bigcirc 0 VB= M/L VA=M/L 0 EfxIO HAIO 0 EFYED VATUBEO -M-VB.L=0 VB=-M/L [VB=M(L) SMAID VA=-VB=-(-M) VA=M/L)



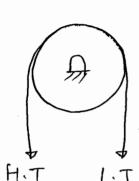
*Screws: Pitch: - The distance bett two consecutive threadings in a screw is known as pitch of a screw. Lead: The displacement of a screw when it \bigcirc rs given one complete revolution is known as) Lead of a screw (L) Lead is equal to pitch in the case of single 9 () Double threaded screw only threaded L = (n thread screw). P Ewhen the threading in a screw $\left(\cdot \right)$ is unwounded then it appears to be like \bigcirc inclined Surface. For one revolution 0 casesti 0:-Lead angle 0 OK \$ (screw Jock always having 0 a self locking nature). 2114 If the Lead angle in a screw is less than \bigcirc the angle of Static Friction (ψ -angle of sepose) 0 then Sucha Screw is known as self locking 0 (Load always act in horizontal dirn) 0 Screw. 3. Find the force required to unlift a body of 0 weight w in the case of selt locking screw Given: 0030 90+(45-8) Θ \bigcirc 180-(Øs-0) 2718 Sin(180-(\$s-0) sin(90+(\$s-0) for 19ffing p=w tan (psto) | p=wtancos-0) sincos-0)



* Medde * Wedges are small weignHess pieces which are 0 used for lifting heavy bodies or applying forces to displace heavy bodies. the analysis of force to be applied on a wedge comesdown to analysis of lamils theorem. as shown in the Example belowwedge. (weightless), RI 1 0 0 0 0 0 Block 0 R3 0 R2 from block sin(90+0+2# () R2=? () Step 2) Lami's from wedge Sin (180-(0+2\$)) Sin(90+0) \bigcirc **()**

* Belt friction * When the Surface of pulley (drum) and the rop is rough, then belt friction is produced. The tension on either side of the ropes are unequal in the presence of Belt friction. 1) Note: When the best drives the purey. then the tension is higher on the side on the sope which moves away from the puney 0 Case I:- friction is absent 0 From egn \bigcirc Pulley / drum 0 Case II: - friction is present 0 0 from eqn Tz=Ti+f 0 T27T1 0 Highertension = euß 0 Lower tension 0 TI 0 ui- coeff of friction 0 B: Angle of Lap (readians) 0 € Que:-What is the value of Pmax=? 100 = eup euß = 4 Prin=25N 100 for pmax; H:T=Pmax L:T=Pmin H.T = eup $\frac{p_{\text{max}}}{100} = 4$ Pmax=400

3. find the Ratio of Higher Husson to Lower tension. If the rope is wrapped for one Complete and q half revolution.



$$\frac{H \cdot T}{L \cdot T} = e^{3\pi u}$$

$$\frac{1}{L \cdot T} = e^{3\pi u}$$

$$B = 2\pi + \pi = 3\pi$$

* $\frac{T^2}{T_1} = e^{3\pi M}$

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PMax=800

$$800 = e$$
 $7 = (e^{\mu\beta})^2$
 $7 = (e^{\mu\beta})^2$

find the value of Tz?

$$\frac{800}{T} = \frac{T^2}{100^2}$$

$$T^3 = 800 \times 100^2$$
 $T^3 = 8 \times 10^6$
 $T = 200 H$

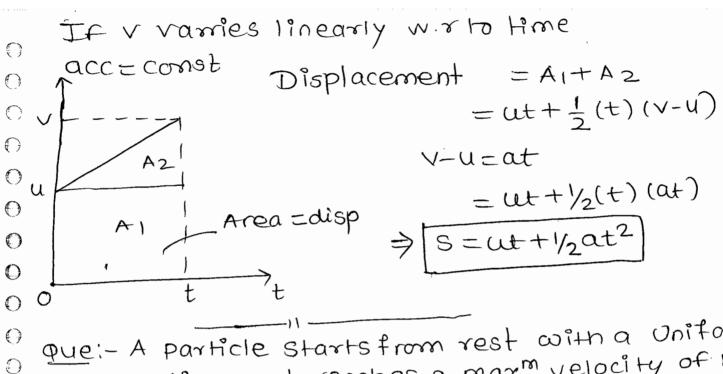
Dynamics * Dynamic\$ Kinetica kinematics particle study Rigid bod Rigid body study study particle study cuevilinear FAR GPM Impuls' Rectilinear work motion force f Moment mo Ham Moment 0 Kinematics + The study of motion of a body without considering its inertia. is known as Kinematics (If inevetia is not considered, mass is also not considered & hence force is also not \bigcirc considered.) Every kinematic parameter will have direst 0 [M°LaTb] These diamensions. Kinetics: The study of motion of a body while \bigcirc considering its inextia (hence mass + forces.) 0 is known as kinetics. Rectilinear Motion: The motion of a particle 0 along a straight line is known as rectilinear motion. (1-translational degree of freedom) 0 Curvilinear motion: - Motion of a particle along 0 a curved path is known as Curvilinear motion. eg:-projectile motion. o Rectilinear Motion: hathdefin bnits & dia Defo -tron-1) parameter m [L] vectorial change + displacement in position m/s [LT] $v = \frac{ds}{dt}$ Rateorchangein velocity dispt wir to time mls [LT2] Rate of change of $a = \frac{dV}{dt}$ **Y**CCN

```
* Constant/Uniform Acch Motion
   a = dV
init= a dt sadt
                     v=u+at
                                 Sds = u Sdt+a Stat
                                                        0
  V = \frac{ds}{dt}
              ds = Vdt
                                                        0
                               S=ut+1/2at2
               v=u+at
                                                        \bigcirc
  a = \frac{dV}{dt}
             dv=adt
  Svdv=a sds
                           V^2_{-}u^2 = 2aS
 Egns of (Motion:
                                                        \bigcirc
                               a \neq c
) V=u+at
                            V = \frac{ds}{dt}
                            2) a = \frac{dv}{dt} \begin{cases} a = f(v) \\ a = f(t) \end{cases}
2) S=ut + = at2
3) V^2 - u^2 = 2as
                              v dv= a.ds ( a=f(5) }
que The displacement of particle in x-axis is
 given by
   x=xosin(wt) Where notw are Constants.
 find the velocity of acceleration?
                                                        0
    \alpha = \infty \circ \sin(\omega t)
                                    v= xowws(wt)
  V=dx V=no cos(wt) w
                                     a = -\infty \omega^2 \sin(\omega t)
         a = xo w (-sin wt) w
  a = \frac{dv}{dv}
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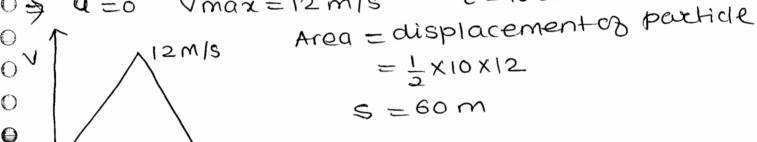
guel- x=3t2-2t+4 Find velocity + acch at t=2sec x=3t-2t+4 $y = 6(2) - 2 = 10 \, \text{m/s}$ V=dx $\therefore V=6t-2$ V=10m/s $a = \frac{dv}{dt} = 6$ $a = 6 m/s^2$ $0 \in \mathbb{Z}$: $x = 3t^3 - 2t^2 + 4t + 5$ find minm value or velo $x = 3t^3 - 2t^2 + 4t + 5$ \bigcirc $V = \frac{dx}{dt} = 9t^2 - 4t + 4$ for min welocity \bigcirc $a = \frac{dV}{dt} = 18t - 4$ for extremum dy = 0 (min/max) 0 t=4/18 = 9/22/9 \bigcirc 18t-4=0 0 $V = 9 \times (\frac{2}{9})^2 - 4(\frac{2}{9}) + 4 = 9 \times \frac{81}{9} - \frac{86}{9} + 4$ 0 () $=\frac{4-8+36}{9} = \frac{9\times36-64+4\times81}{81} = \frac{32}{9}$ 0 0 S-t, v-t & a-t curves: 0 \bigcirc S-t curve :-IT The Slope of an s-t curve at any instant represents instantaneous velocity at that 2) Average velocity 9s equal to total displacement total time $Vavg = \frac{\Delta S}{\Delta t} = \frac{S_2 - S_1}{t_2 - t_1}$ 0 Instantaneous velocity & avg velocity are equa when the displacement varries linearly wir to time Θ $vag = \frac{\Delta S}{\Delta +}$ = S2-S1 $\frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{\sqrt{2}}$

15-tanve Avg speed = total distance **

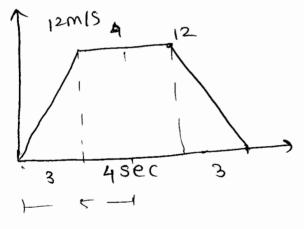
total time. eg: A particle takes to sees to rotate arround a circle of radius form find the avg velocity of \bigcirc avg speed after one Complete cycle. () T = 22/1> t=10 ses R=70cm = 0.7m 0 avg velocity = 0 (dipt =0) 0 avg speed = $\frac{\text{total dist}}{\text{total time}} = \frac{2\pi R}{t} = \frac{2x^{22}/4x^{24/6}}{16}$ \bigcirc () = 44 cm/s Que: - find the Avg velocity favg speed in the 0 0 above problem after half a cycle. t=5sec. 0) avg velocity = total dispt = 2x70 = 140 cm/s 0 total time () total displacement = IR = 20 x70 = 120cm \bigcirc and speed = total disted = TTR = 272/4×70 0 total Hme = 220 cm/s 0 0 slope = $\frac{dV}{dt} = a$ V=ds ds=vdt 0 s= Svdt DS from ti tot2 0 2 displacement a=dy dt V = ds Sds= ("Vdt AS from (titotz)



<u>Que:</u> A particle starts from rest with a Uniform acceleration and reaches a maxim velocity of 12 m/s It Immediately starts to dearelevate uniformly and eventually comes back to rest. the complete time taken by the particle is to secs. find the displacement of the particle.



10560-Que: - find the displacement in the above problem 0 It the particle maintains its maxim velocity for 4 secs. before starting to deaccelerate.



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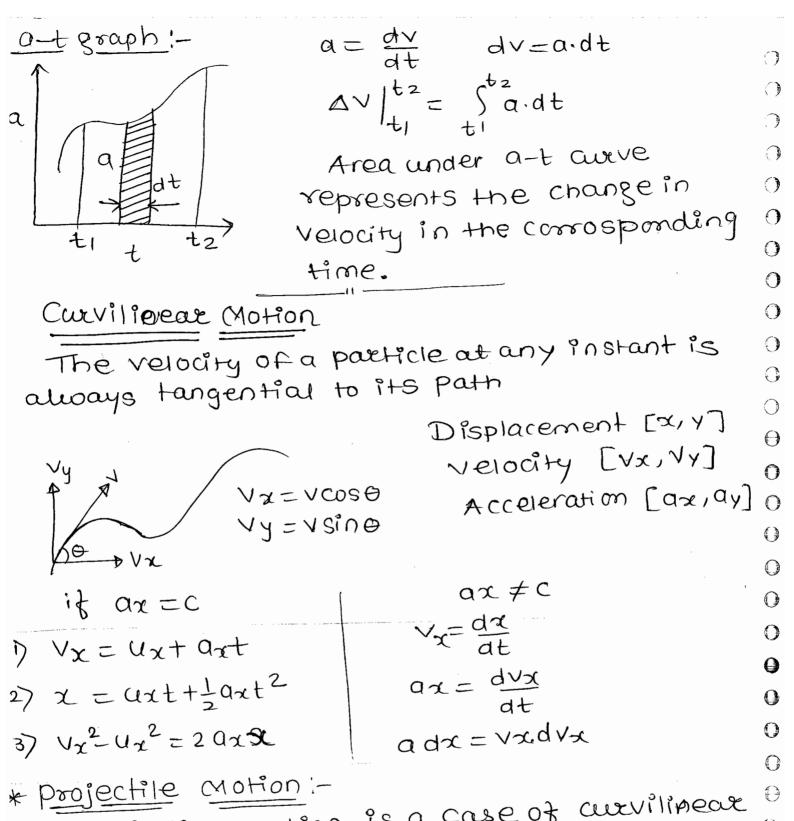
displacement = Area of the particle.

$$= \frac{12}{2} (4 + 10) = 84m$$

$$= 2 \times (\frac{1}{2} \times 12 \times 3) + 4 \times 12$$

$$= 36 + 48$$

$$= 84m$$



) A projectile motion is a case of curvilinear motion in a plane experiencing uniborm acceles ration of ax=0 and ay=-gm/s2 2) The trajectory of a projectile is always parabolic in nature.

3) The initial of final velocities in a projectile ()are Identical in magnitude

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u:- Initial velocity CAXXXX 0:- Angle of projection ay=-gm/s2 () 1> Egnos projectile: (x,x) $x = Uxt + \frac{1}{2}gx \cdot t^2$ -parabolic Ouy= 1 y=uyt+=ayt2 0 (0,0) 4x=ucoso y = uy. x + \frac{1}{2}(-9) (\frac{x}{ux}) \bigcirc 0 $y = x \tan \theta - \frac{9}{2} \cdot \frac{x^2}{u^2 \cos^2 \theta} = x \tan \theta - \frac{8}{2u^2} \sec^2 \theta \cdot x^2$ \bigcirc 0 $y = \frac{-9x^2}{2u^2} \sec^2\theta + x \tan\theta$ Θ 0 $H = u^2 \sin^2 \theta$ 0 2) Maxm height: 0 3) Range:- | R = U2 sin 20 0 4) Time of flight :- T= zusine Que: - what is a angle at which the range is Maxim for a given velocity. $\Rightarrow R = \frac{u^2 \sin(2\theta)}{2\theta = 90}$ 0=450 0 9 u2/8-) const. Que: - find the angle at which the range of 9 projectile is equal to twice the maximheight. $\frac{u^2 \sin 2\theta}{g} = 2x \frac{u^2 \sin^2 \theta}{2g}$ 2sino coso=sine sin20 = sin20 \mathbf{s} sinze = $(1-\cos^2\theta)$ 2 = tano · cim20 = x= (cos20) - 1-=1107

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