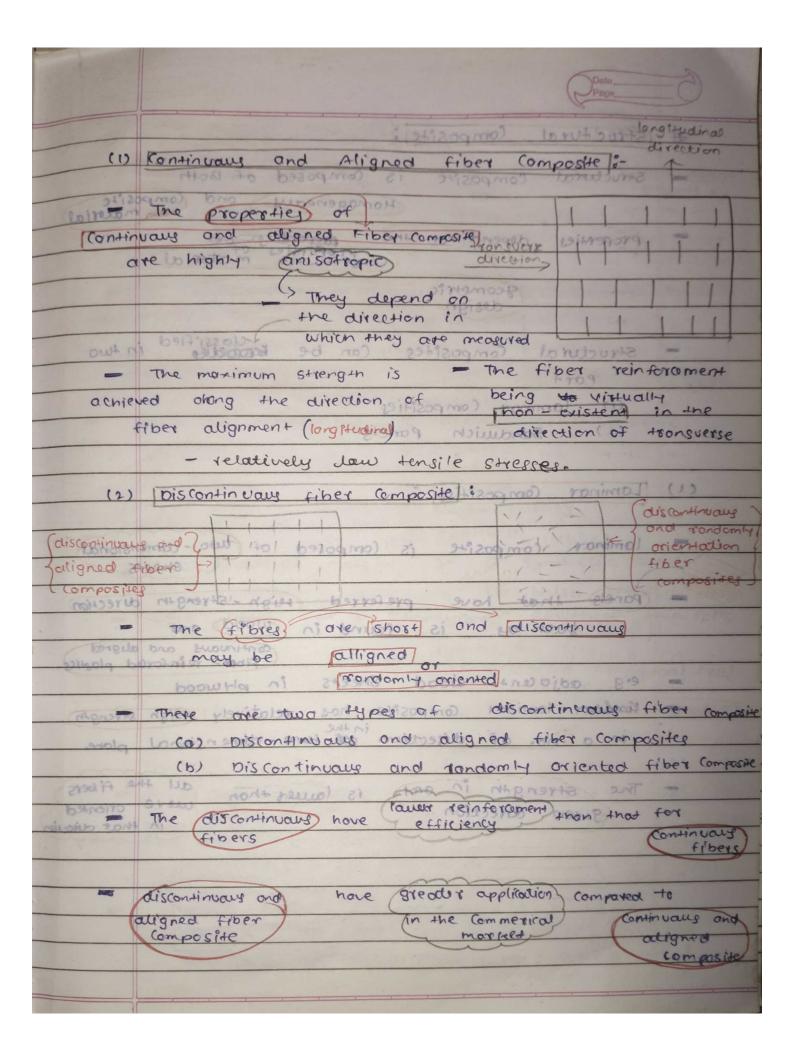
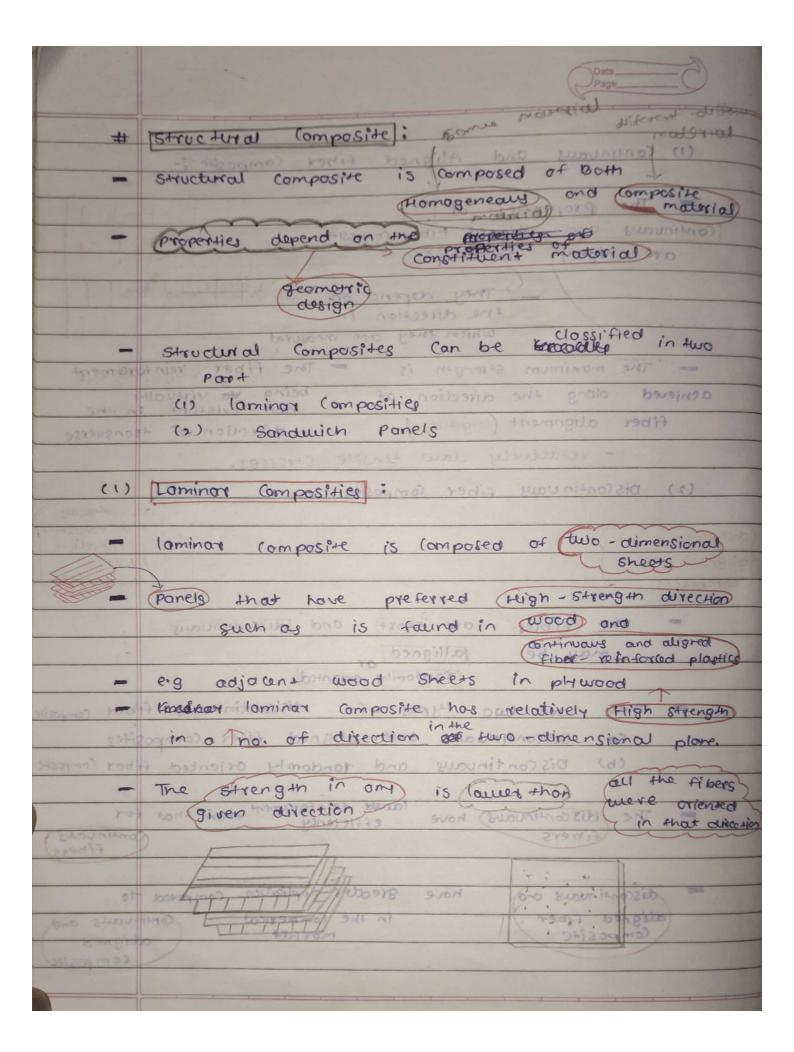
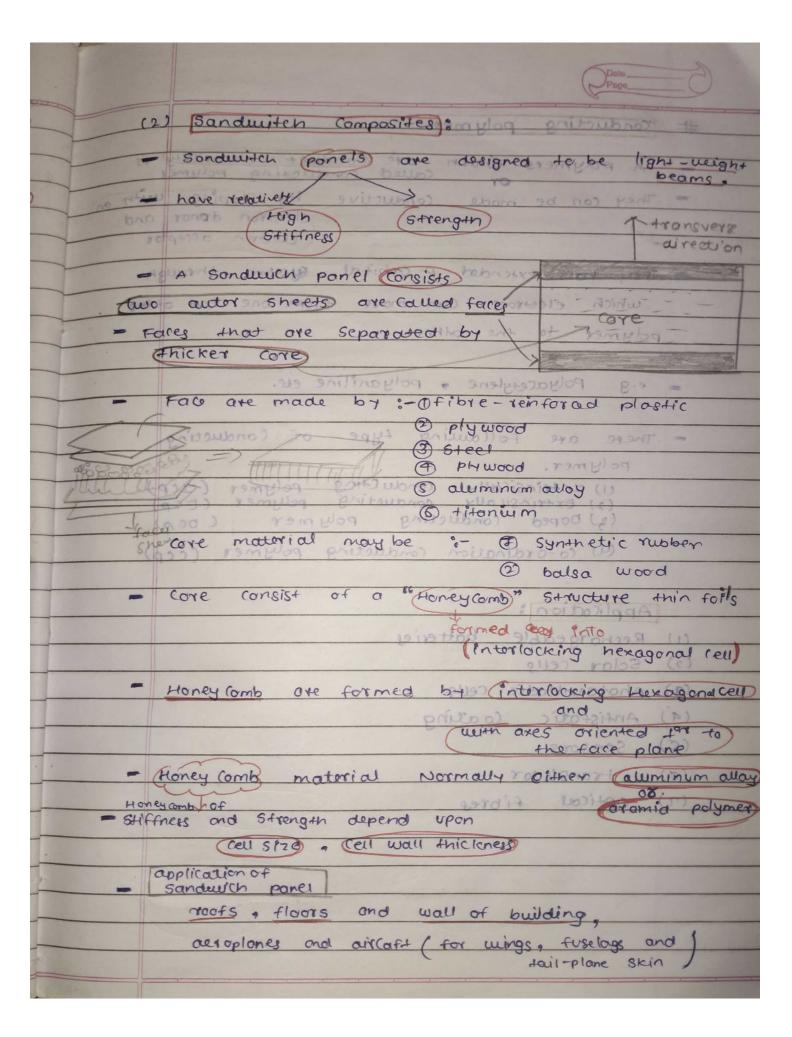


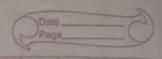
ine aggregate of Coarse rock or gravel
embedded in a matrix of compart.
40 wild of old passadays, off official of a same ut =
(2) The aggregate provides [Stifness and [Strength]
QU show no Charles offers of and
an or had
handsise hands
(2) Dispersion Strengthened to morris
[ compassion
- In this type of Compasite,
the partide size is smaller 10 to looning
The metals and allay are made in small
posticle to given range and are dispersed in .
metal addallar of the mostrix phase.
to real to this is achieved by appropriate Heat fromment
layo at how is called precipitation hardening,
Nonesized particle are added to the martix phase
which make the composite and given thorder
Ansmagilo moham publish (s) (Stronger)
= E.g such as allay of cu-sn, cu-sn
mg-Al
The state of the s

	Page
#	Fiber reinforced compasite :-
-	In these composite the dispersed phose in form of Fiber
Medicals	These composite material are made up polymer motion
	Filoment
	Commonly Osed Fiber over glass bonding agent
	Commonly used Fiber are glass metallic
	These fibers are either Continuous manner and
mado	
7	the strength and other ope properties of Fiber
	reinforced composits mainly depend -> orrangement
sexual xist	> orientation
losgizudinos	the fiber Concentration and the distribution
1111	Bosed on fibers orientation
oda i Kitupi	(1) parallel alignment of the longitudinal to ons
Thblind F.	marie boo au of other fibers in a single direction
(2 ab Los 45)	(2) Hotally rondom alignment.
	E-B such or allow of m-26.
	discontinues fibers (discontinues fiber
	(ate normally) (may be aligned
	aligned ( rondom h oriented or
	portion + oriented
	3 0 1 7 1 7 1
	Service - = -
5	properties of fiber reinferred Composite
(1)	High tensile strength
(2)	High specific gravity
(3)	stiffness
(4)	They posses low overall density
(5)	High elosite modulus.
Name of Street	

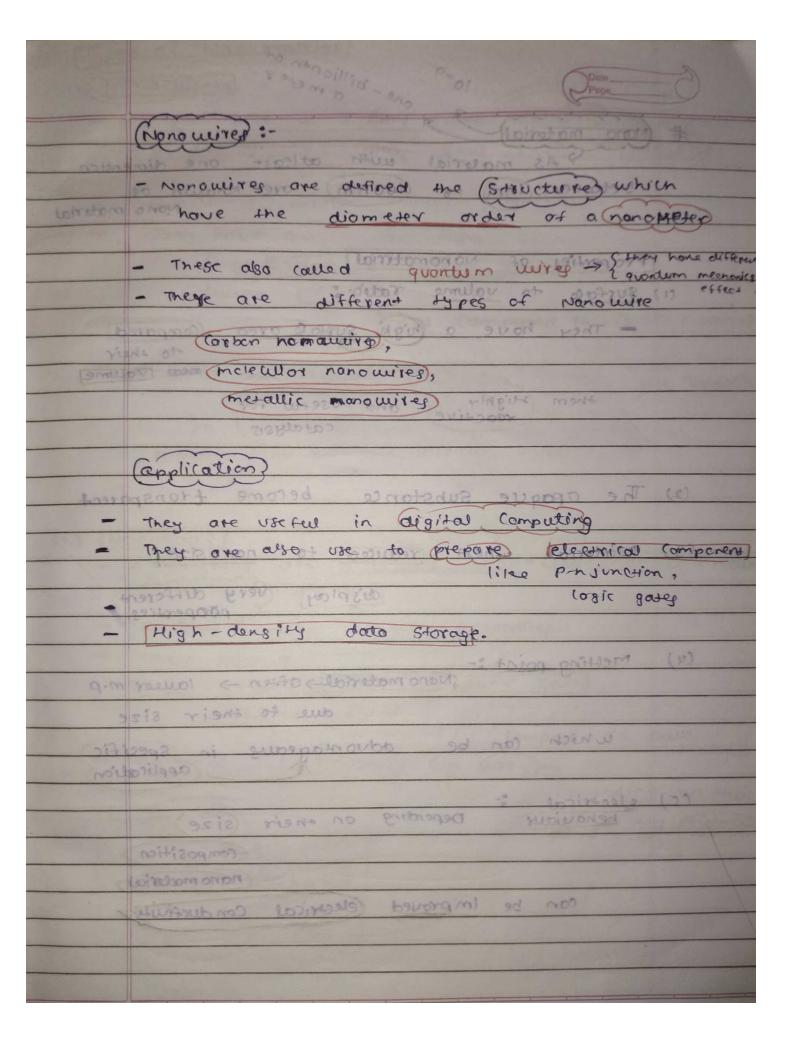








#	[conducting polymers]:
-	Tonaucting bogins
411 023 111 1	a polymers which are conduct electricity is
* 200 DZ	A polymers which are conduct electricity is
-	They can be redo conductive
	electron donor and
	acord acords
-	They have extended P-cribital System through
	which electrons can move from one end of the
	polymer to the reather many and total 20007 =
	dhicker core
-	e.g Polyacetylene , polyaniline etc.
27	- Face are made by :- after e-rentorad plas-
-	There are following type of Conducting
	polymen. booking &
	(1) Intrinsically conducting polymer (ICP) (2) Extrinsically conducting polymer (ECP)
	(3) Doped conducting polymer (DCP)
made made	(4) co-ordination conducting polymer (ccp)
NO FORES	Application: "donogranos of the total of the
	Application
(1)	Rechargeable batteries
(6)	Sclor ceus
(8) mas cent	photovoltadic cells bemis 90 and 19004
	Antistatic loating
1 pl- 1 -	Sensors 14
	Honey Comb moderical wormally rotsistom almos parots
	60
polynus .	obtion tiples produce the same to the same
	Cell Stze . Cell Wall frictoness
	application of
	Sandaufth paret
1	moofs , floors and wall of building,
(6)	aexoplones and aircast ( for wings, fuscions a
	soil-plane skill



one-billionth of Mono material with atleast one dimension material SAS ove known of between (Inm) to (loon m) Nono material of a nono Meter Properties of Nonomatorial 210 SPONT to valume ratio: (1) Surface (high) Surfale area (Compared) - They have a to their were Malling Beighly. them and / useful for reactive catalysis. Buke malorial Nano material The opaque substance become transparent They are useful in digital computing (3) Motorial when reduced to nanosize! (very different) LOSIC SCHOOL booberties (4) Melting point :-Neno material + often -> lawer m.p due to their size which Can advortageous in specific be application (5) Electrical : Depending on their (size) behaviour (composition) nano material be improved electrical can Con ductivity

