	DATE:	
	Very good for theory portion	
	Part- II - Section-I	
(D.2b)	Solid Waste Management? Methods?	
	Solid Waste Management:	
	Solid	
	waste management is a technique	
	in which solid wastes	
	trom different living and	
	industrial sectors de disposed	
	off in such a way that	
	it reduces/ generation of	
	pollution!	
*	Types of /80/id Wastes:	
	Balid	
	wastes l'include;	
gr-br	Authorities of the state of the	
	Information	
	Technology waste	
	Solid Maste	
	A MARINE WAR TO THE REST OF THE PARTY OF THE	
	Nuclear "Industrial" Industrial	
	waste Domestic Waste	
	Master	
	Methods of 3011d Waste Management:	
	Following	
	are methods of solld waster!	

	DATE://	
	management.	
	· Landfills	
	Incineration	
	Composting	
	Pyrolysis	
<u>(a)</u>	Land-fills:	
	Land-fills are one	
	of most used method to	
	dispose off solid wastes.	
	This method include dumping	
	off Bolid wastes into	
	open area. A hole is	
	dig into lopen land with	
	open mouth. Then solid waste is dumped into	
	waste is dumped into	
	There are certain restrictions	
	while scleding lond for	
	lendfills in Chriding:	
	It must be away from	
	residing ogeos.	
	Tt must be deen voto	
	Co feet	

8	Incinetation:	
	Inchesation	
	another techique to dispose	
	off solid waste. It involves	
	différent steps of burning	
	solid mastes. Incineration includes	
	following chambers.	
	A Bolid waste at.	
	500°	
	B : sorgenie waste at.	
	₩ 6.00 C	
	gover C => gover, removar of Liquid	
	J. 700°C°	
	$D = - \sum_{i=1}^{n} feduction$	
	gales	
	900°, Plastic 1100° take place disposed off	
	These chambers have different	
	The state of the s	
	temperature which are requirement of reducing	
	regionement bype	
	d solid wastes are	
	supposed to pass through	
	mere chambers in	
	incineration tower.	

	Composting:	
	Composting is a	
	method of solid waste	
	monagement in which large.	
	hole is being dig out out	
	the hole has base of	
	cement. Then solid was te	
	is first compressed and	
	placed into layers into	
	hole. After mat, note is	
	covered with 1:d. The compressing	
	of solid worte reduces the	
	gize of solid waste.	
	Different	
	C Qyey	
<u>d)</u>	Pyrolysis:	A. C.
	method of solid waste	
	memodient solid	
	monagement born at high	
	temperatures. It involves	
	chamber where temperature	
	of let to alound 2000°.	
Community of the Commun		
		Ш

	DATE:	
5)	Note on Balance Diet?	
	Balance Diet:	
	Balance diet	
	involves complete and	
	required intake of proteins,	L. SARAMONA.
	carbohydrates, minerals and	
	Vitamins. The minimum portion.	
	of diet that is essential for normal working of body	
	normal pronking of body	
*	Components of Balance Diet	
12	X X	
	Proteins	
	Witchings	
	components/	
	of Balonce	
	diet	
	- Hineraly	
	Caesohydredes	
	Carbonyon	
(1)	Proteins:- Proteins are made	
	of amino acids. There are	
	acreation avoide vicide l'étax	
	proper knowning of body.	
The state of the s	Scanned with CamScan	ner

	DATE://	
*	Sources of Proteins:	
	Sources of proteins includes;	
*	Milk	
X	Meat	
*	Eggs	
*	Cassage	
5	tractions of proteins:	
	Functions of	
	proteins include;	
*	Protein is important in healing.	
	process of injuries.	
*	Protein plays important role	
	in hair and nails growth.	
*	Protein is important for	
	Destructuring of skin.	
(Ü)	Casbohydrates:	
	The polyhydroty	
	of aldehyde and Retone	
	is called carbohydrates.	
40	Bources of Carbohydrates:	
	Sources	
	of casbohadrates include;	
*	Falt	
*	Milk	
X	Polatoes	
K	Meat	
* *	Fish	

->	Functions of Carbohydrates:
	Sold Congarate
	of casbohydrates are as
	follows;
*	7-1-1
	It is de structural component
	The
	It provides energy by breaking Mucose.
	is also 3 studiudal
	componenti of animal.
(13)	<u>Vitamins:</u>
	Vitamins oue substances
	that includes wester solube.
	and intal-saluble substances,
	require for proper functioning
	of body.
•>	Sources not Nitamins:
	Sougees of
	vitamins ale;
*	carrot
*	Sunlight
*	Cithus Fruits
*	Caulithouse
*	MM
	Moot
*	Tomatoes
	Eish;
	Beef.
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• 7	Functions of Vitamins:	
	Following	
	age some functions not	
	vitamins:	
*	It aid in tissue formation.	
*	It helps in boosting eyesight.	
* *	It helps in strengthening of	
	bones and teeths.	
*	It helps in shining of skin.	
X	It gids in maintaining	
	acid-base balance in body.	
(iii)	Minerals	
	Minerals age substances	
	in sbody in that ware - required to	
	normal functioning in of body.	
	Minerals includes Pottasium,	
	Calcium, Soidium, Phosphony etc.	
	Bources of Minerals:	
	Following	
	are sources of minerals.	
*	Milk	
*	Cabbage	
X		
X	Meat	
X	Beef	
*	Apple	
· X	Overge	
*	reas	
Margaret Million		10.4 14.4 4

•7	Functions of Minerals:	
	Following age	
	functions of minerals.	
*	Itimaintains heart-rate in body.	
*	It maintains electrical balance	
	of body.	
*	It plays role in strengthening.	
	of teeths.	
¥	It aids in strengthening of bones.	
*	It plays role in functioning	
	of brains. to	
3)	Three renewable energy resources	
	under CREC?	
	Renewable Energy Resources.	
	Renewable	
STATE STATE OF THE	energy resources are those.	
	type of resources which	
	con be repewed after usage.	
	Their sougces never stop	
	producing energy. They con	
	not be depleted once used.	
	CPEC: OPEC:	
	DIL RRT COD	
	project of is industrial	
	its purpose growth.	
	and agricult	Acres 1 As March
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Renewable Energy Resources unde	
CPEC	
Following are three renewable	
energy resources inder	
CPE C.	
Mind Energy:	
is one of vene wable energy	
resources which is being	
hounessed under CPEC.	
Wind energy is obtained from	
winds. Wild mills are used	
to perform certain finctions	
like running of turbines.	
is Under CPEC, wind energy	
es being used ito	
produce d'electricity.	
gome important Unwind	
projects ale;	
* Bhawalpur Wind Project (1500MW)	
* Kainat Wind Project (900 MW).	
Bolas Energy:	
Solar energy	
escian recourses which	
energy regousces which is obtained from sunlight.	
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rehabilitation

help

affectees.

	UAIE:	
Q. 4, d	Doping in Bemi-conductors? Types	
	el Ceromics?	
	Doping in Bemi-Conductors:	
	Doping	
	in semi-conductor es a	
	method of adding. impurities	
	into semi-conductor to	
	enhance its conducting	
	properties.	
->	Methods of Doping.	
	Following	
	are methods of doping in	
	Bemi-conductor.	
a)	n-type doping	
6)	p-type doping	
(00)	n-type doping:	Montes (March
	n-type doping	The second secon
	involves adding of pentovalent	
	impunities in semi-conductor.	
	For-example: The addition	
	of Bernium a into sillicon	
	enhances conducting properties	
	of Gillicon	
	Billicon has four valence.	
	shell electrons while Bernsim	

DATE: elections. Shell valence five has vouence shell electrons four The sillicon covalently bonded shell with four valence Berylinn. The electrons of 1eH. electron hele free dectron, moving there. o Be 1) Free election Be P-type doping: (00) P-type doping adding. involves doping trivalent impurities. semi-conductor. For-example: The addition of Indian /into semi-conductor enhances its conducting. Properties. Sillicon has four vollence Shell eldemons white Indian has three valence shell electrons. The three valence shell etectrony of

	DATE:/	
	Indium and sillicon bonded.	
	Covalently. One hole is left	The same of the sa
	which aids in conduction.	
	e) hole	
	31	
	Types of Ceramics:	
0-5	Ceramics:	
	Ceramics are inorgenic	
	material which is metal, non-metal	
	or metalloid. They are hard,	
	brittle and have insolating propaties.	3
	Types of Ceramics:	
41	Crystalline Ceramics:	
	Crystalline	
	cesamics are orderly amnged,	
	three dimensional in shape.	
	They are obtained by	
	heating ceramics and ale	
	haed in oppealers.	
	e.q Earthenwales	

	DATE:/_/	
(6)	Non-crystalline Ceramice:	
	Non-crystalline	
	ceramies are not evenly	T Name of
	allanged and two dimensional	
	in Shape.	
	é.9 Claypots.	
	Bolar & Lunar Eclipses?	
	Lunar Eclipse:	
	Lunar eclipse	
	der abe of the	
	The state of the s	
	between sun ord moon while: moving, lunger eclipse occurs	
	at full moon.	
	Formation of Lunar Eclipse:	
00		
	Penambred	
		MAN A
· · · · · · · · · · · · · · · · · · ·		
	Earth Moon S	
	San	
	Whenever earth is moving and	

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	DATE:/	
		75
	Comes between sur ordin	
	moon lunag eclipse happens.	
	The light of sun partially	
	shadowed moon or align on	
	its upper and below atis.	
907	Types of Lunas Ectipse.	The state of the s
	Following	
	are types of lunar eclipse.	
(a)	Total lunay Eclipse	
<i>b</i>)	Penumbral Eclipse!	
()	Umbral Eclipse	
->-	Solar Echpse:	
	is a type of eclipse in	
	is a type of eclipse in which moons is coming.	
	between easity and the sun.	
	The sublight of moe sun	
	of blacked by moon to	
	Reach the darth.	
	Formation of Solar Eclipse:	
	The state of the s	
	March	
	800 Moon Caeth	
	Bellybeady	
	·Ulight	
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A STATE OF THE STATE OF	DATE:///	-
	Moon comes in between	
	Bulight and earth and	
	blocks sunlight. Du to bigger	
	gize of sun sometimes light	
	reflected as bely beeds.	
	pattern ord somettimes cover	0.3
	au.	
X		
• • >	Types of Solar Eclipse:	
	Following	
	are types of solar eclipse.	
<u>a</u>)	Total solar ecurpse.	
b)	Partial sola eclipse.	
	Consider the first that the first th	-100
<u>a)</u>	How earthquakes are generated?	
	Distinguish with Tsomania	
3	Generation of Earthquakes:	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Earlyquakes	
	are sudden shaking and	el 6
	2011ing of earth. It occurs	
	due to	
	Movement et Tectonic Plates	Y
<i>i</i>)/	Occonic Cument	
ω)	Eruption of Lava	A Section
;(1))	Nucleau experiments	
V)	Brusting of Dams	

DATE:/_/	
-o Movement of Tectonic Plates:	
Total Contract of the Contract	
- Wake occurs when tectnonic	
plates of earth more and	
Slide. This movement leads to	
Shaking of earth, and cause earthquake.	
Movement of Oceanic Coment:	
movement of oceanic current	
movement of oceanic current	
Eruption of Lava:	
Volcanic	
earption of lava from the	
earth poses préssure on	
the easth and results in	
caethquake. Volconic eup-tion	
involves emption of Sulphus	
dioxide from the earth.	
Nuclear Experiments:	
Nuclear	
experiments including explosion. O hambs create noise	
ON OTHER ALCOYOR	
which cause earth-grakes.	
Rometing of Dams	
Boosting of Dam: The bursting	
course eastingvakes.	
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DATE: ___/ ground comes in contact with each other. The condensation occues ond coriollis force tormed. It has contact both culuminary cloud, and land. with Hyrricanes are Generated? HOW Hurricanes are generated when cold land and marm air get in Control with each other. Conjullis -force produced I which leads derelopment de pressure gradient. This pressure andient and droping of temperature lead / to: formation of horricones which moves in circular manner. de Wom 1 cold and



