				l'assi			
6							
(6 pages)	Reg. No. :		3.	Th	The major constituents of natural gas is		
Code No. : 30	0467 E Sub	Code : CNPH 3	2	74 3	Methane Propane	6.3	Ethane Ethylene
U.G. (CB	CS) DEGREE EXA NOVEMBER 202 Third Semester Physics	4.	4.	(a)	al is a Pollution Solid		Pollutant None of the above
Non-Major (For those wh Time : Three hou	5.	(a)	thane is a clean polluted	(b)	impure pure		
PAR	TA — $(10 \times 1 = 10$ Answer ALL questi	6.	(a)	chemical	(b)	physical	
	c^2 (d) I	er:	7,	The	biological e first solar po India Iran	ond was con	technical structed in Israel Iraq
(a) Liquefie	ed Petroleum Gas ed Feltier Gas Petrol Gas	· A.	8.	(a)	ar cell is a p-n junction n-n junction	(b)	liode. p-p junction None of the above
	e.					Page 2	Code No. : 30467 E

9.		Wind energy is an form of solar energy.							
	(a)	Direct	(b)	Indirect					
	(c)	Reversible	(d)	Irreversible					
10.	The	first wind mill w	rst wind mill was developed in						
	(a)	India	(b)	China					
	(c)	Nepal	(d)	Sri Lanka					
		PART B — (5	$5 \times 5 = 2$	25 marks)					
		er ALL questions ach answer should		ng either (a) or (b). ceed 250 words.					
11.	(a)	a) List the various conventional energy sources. Describe the function of any one among them.							
		u u	Or						
	(b)			ergy sources. State the tations of renewable					
12.	(a)	Write a short no	te on fo	ssil fuels.					
	٠	Or							
	(b)	List down the a fossil fuels.	pplicat	ions and limitations of					
			Page 3	Code No. : 30467 E					

(a) Define: Biomass energy, Classify Biomass energy. Discuss anyone method of biomass

Or

- (b) Explain biogas plant.
- (a) Write a short note on:
 - (i) Solar water heater
 - (ii) Solar cell.

Or

- (b) Discuss solar green house.
- (a) Discuss in detail the concept of geothermal 15. energy.

Or

(b) Explain the working principle of a windmill.

PART C —
$$(5 \times 8 = 40 \text{ marks})$$

Answer ALL questions, choosing either (a) or (b) Each answer should not exceed 600 words.

(a) Describe the major sources of conventional energy.

Or

(b) Describe how coal is used as sources of energy.

Page 4 Code No.: 30467 E

[P.T.O.]

 (a) Describe how coal is processed as sources of energy.

Or

- (b) Discuss the applications, merits and demerits of fossil fuels.
- (a) Discuss in detail aspects of Deen Bandhu Model gas plant.

Or

- (b) Explain Biomass energy. State its advantages and disadvantages.
- (a) Define: Solar energy. Explain its importance, principle, working, applications of solar energy.

Or

- (b) Write a short note on:
 - (i) Solar Crop dryers
 - (ii) Solar Cookers.

Page 5 Code No.: 30467 E

 (a) Describe the open cycle Ocean Thermal Energy Conversion (OTEC) system with its advantages.

Or

(b) Describe the power plant used to obtain tidal energy. Explain its working in detail.

Page 6 Code No.: 30467 E