(6 pages) Reg. No.:	Ž.	Con	Conventional energy source are also known as				
Code No.: 20398 E Sub. Code:	CNPH 32	(a)	Conventional	(b)	Non-commercial		
Couc No. 120000 B		(c)	Non-conventional	(d)	None		
U.G. (CBCS) DEGREE EXAMINATION, NOVEMBER 2022.		Foss	sil fuel is also know	n as			
Third Semester		(a)	Lubricating fuel	(b)	Liquid fuel		
Physics		(c)	Solid fuel	(d)	Mineral fuel		
Non Major Elective — APPLIED PHY	SICS 4.	4. The percentage of global fossil fuel reserves are					
(For those who joined in July 2021 onwards)		found in India is					
Time: Three hours Maximum	ı: 75 marks	- (a)	20%	(b)	17%		
PART A — $(10 \times 1 = 10 \text{ marks})$		(c)	6.85%	(d)	4%		
Answer ALL questions.	5.	Bior	Biomass is a —————————energy source.				
Choose the correct answer.		(a)	Renewable	(b)	Non renewable		
1. Which of the following is an example energy source?	for primary	(c)	Thermal	(d)	None		
(a) Solar energy	6.	In b	iogas mixture conta	ining	% of CO2.		
(b) Wind energy		(a)	30 to 40	(b)	10 to 15		
(c) Coal energy		(c)	5	(d)	2		
(d) None		(0)		,-,			
			Page	2	Code No. : 20398 E		

Wh	ich of the followi	ng is	not a	green
(a)	CO ₂	(b)	CH ₄	
(c)	CFC	(d)	. H ₂	
Sola	ar radiation consist	s of		
(a)	Infra-red region			
(b)	Ultraviolet region			
(c)	Both (a) and (b)			
(d)	None of these			
"Ea	rth day" is celebrat	ed on		
(a)	1st December			
(b)	5 th June			
(c)	22 nd April			
(d)	1st January			
Taj	Mahal at Agra may	be da	amaged l	оу
(a)	Sulphur dioxide	(b)	Chlori	ne
1.	TIl.	(4)	Ovvgo	

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PART B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Describe about conventional energy source.

Or

- (b) Write down the advantages of renewable energy source.
- 12. (a) Describe the types of power in Fossil fuels.

Or

- (b) Write briefly statistical details in fossil fuels.
- 13. (a) Write a short note on Biomass energy.

Or

- (b) Write any five advantages and disadvantages of biomass energy.
- 14. (a) Describe the operations of a solar pond.

Or

(b) Write the principle for a solar cell.

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[P.T.O.]

15. (a) Explain the advantages of geothermal energy.

Or

(b) State the principle of wind energy conversion.

PART C - (5 × 8 = 40 marks).

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 600 words.

 (a) Write an essay about various forms of energies.

Or

- (b) Write an essay about renewable and conventional energy sources.
- 17. (a) Discuss about the various availability of energy resources.

Or

- (b) Write briefly application of fossil fuels.
- (a) Write an essay about the generation of biomass energy.

Or

(b) Explain about Deena Bandhu model gas plant.

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 (a) Write briefly notes for applications of solar energy.

Or

- (b) Explain its merits and limitations for a solar cooker.
- (a) Write an essay about geo thermal energy.

Or

(b) Describe the principle and working of OTEC system.

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