



Name:	
Enrolment No:	

UPES
End Semester Examination, May 2023

Course: Energy Economics-I
Program: BA-Economics
Course Code: ECON 2030

Semester: IV
Time : 03 hrs.
Max. Marks: 100

Instructions:

SECTION A
10Qx2M=20Marks

S. No.	Statement of question	Marks	CO
Q 1	Which of the following is a disadvantage of renewable energy? a) High Pollution b) Available only in few places c) High running cost d) Unreliable supply	2	CO1
Q 2	What is API? a. American Petrol Institute b. American Petroleum Institute c. American Petroleum Institution d. America Petroleum Institute	2	CO1
Q 3	Which among the following is the non-conventional source of energy a) Natural gas b) Wind c) Coal d) Petroleum	2	CO1
Q 4	Define energy economics.	2	CO1
Q 5	Define energy balance.	2	CO1
Q 6	India introduced new gas pricing formula in a) 2008 b) 2010 c) 2014 d) 2016	2	CO1
Q 7	Cow dung is the source of commercial energy. a) True b) False	2	CO1
Q 8	INDC stands for	2	CO1

	<ul style="list-style-type: none"> a. Intended nationally determined contributions b. Internet nationally determined contributions c. Internally nationally determined contributions d. Intension nationally determined contributions 		
Q 9	<p>If 10% increase of price leads to 20% reduction of energy demand, then demand for energy is</p> <ul style="list-style-type: none"> a) Elastic b) Inelastic c) Unit elastic d) Can not say with this information 	2	CO1
Q 10	<p>The primary energy consumption of China increased from 1970 Mtoe in 2004 to 2225 Mtoe in 2005. GDP has also increased from 14197 Billion Yuan in 2004 to 15603 Billion Yuan in 2005 at constant 2000 prices. Calculate the GDP elasticity of energy demand in China?</p>	2	CO1
SECTION B 4Qx5M= 20 Marks			
S. No.	Statement of question	Marks	CO
Q 11	What is indirect load control?	5	CO2
Q 12	Define energy efficiency.	5	CO2
Q 13	State the main drivers of renewable energy consumption.	5	CO2
Q 14	Define energy demand elasticities.	5	CO2
SECTION-C 3Qx10M=30 Marks			
S. No.	Statement of question	Marks	CO
Q 15	Analyze the purpose of economic analysis of energy sector investments.	10	CO3
Q 16	Analyze the historical background of evolving energy as a subject of scarce resources.	10	CO3
Q 17	<p>Analyze different costs associated with energy sector investments.</p> <p style="text-align: center;">OR</p> <p>Analyze different load management techniques to reduce the overall energy demand of India.</p>	10	CO3
SECTION-D 2Qx15M= 30 Marks			
S. No.	Statement of question	Marks	CO
Q 18	Apply the concept of depletion rent to justify if you consume non-renewable energy today or later.	15	CO4
Q 19	Do you think achieving energy efficiency also enables to achieve economic efficiency-justify?	15	CO4

OR

Apply the concept of Divisia decomposition technique to portray the change in energy intensity over the two different point of time.