



Name:

Enrolment No:

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, May 2023

Program: MBA Power Management

Semester – II

Subject (Course): Hydro & Nuclear Power resources Mgt.

Max. Marks: 100

Course Code : PIPM 7007

Duration: 3 hrs.

Instructions: Set 2

SECTION A
10Qx2M=20Marks

S. No.		Marks	CO
Q 1	Complete the Abbreviations • NPCL • R & R • UJVNL • AEC	2	CO1
Q2.	Name Chairman of Atomic Energy Commission of India and NHPCL.	2	CO1
Q3	Differentiate among Micro, Mini & Small Hydro Power Plant.	2	CO1
Q4	“Hydro Power Plants are called as multi-purpose projects” - Why? Explain.	2	CO1
Q5	What is Hydro Purchase Obligation proposed in India? Explain.	2	CO1
Q6	What is Installed capacity of India by Nuclear Power and Hydro-Power Plants?	2	CO1
Q7	What is difference between Fission and Fusion? Explain.	2	CO1
Q8	What is India potential for Hydro-Power Plants? Explain.	2	CO1
Q9	Which are two major countries dominated by Nuclear Power? Name.	2	CO1
Q10	Which are two countries have maximum Hydro-Power Plants? Name.	2	CO1

SECTION B
4Qx5M= 20 Marks

Q 11	What are Pros and Cons of Hydro Power Plants?	5	CO2
Q 12	What are Pros and Cons of Nuclear Power Plants?	5	CO2

Q 13	Explain working of Hydro Power Plant with a neat diagram.	5	CO2
Q 14	Explain working of any Nuclear Power Plant with key features.	5	CO2
SECTION-C 3Qx10M=30 Marks			
Q 15	Critically review after stating Hydro-Power scenario in India at present with suggestions for betterment in future.	10	CO3
Q 16	Critically review Nuclear Power scenario in India at present with suggestions for future.	10	CO3
Q 17	What are different types of Hydro Electric Power Plants or Nuclear Power Plants with their relative applications and benefits? Analyze.	10	CO3
SECTION-D 2Qx15M= 30 Marks			
Q18	“Uttarakhand should go for large scale big Hydro-power” -Critically analyze this statement with your valuable suggestions for its implementation.	15	CO4
Q19	Calculate tariff for a 10 MW Small Hydro Power Plant in your state assuming all data as per SERC norms and regulation.	15	CO4