

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2019

Course: Advanced Applications of Nano Technology
Semester: VIII
Program: B. Tech MSENT
Course Code: MTEG 421

Time 03 hrs.
Max. Marks: 100

Instructions:

SECTION A
All questions shall be compulsory

S. No.	Question	Marks	CO
Q1	What are nano fluids?	5	CO1
Q2	What are the three properties of textiles which can be improved through nano technology?	5	CO3
Q3	Name two applications of nano technologies in kitchen?	5	CO2
Q4	How to treat organic waste through nano materials?	5	CO1

SECTION B
All questions shall be compulsory

Q			
Q5	Define the challenges of NASA those can be solved through nano technology?	10	CO4
Q6	Applications of nano technology for hydrogen storage?	10	CO3
Q7	What are nano drugs?	10	CO2
Q8	Why nano technology is helpful for self cleaning of materials?	10	CO1

SECTION-C
All questions shall be compulsory

Q			
Q9	Applications of nano technology for water purification?	20	CO5
Q10	Explain the application of nano-bio sensor in agricultural applications?	20	CO4
	Or		
	How nano technology is helpful for construction industry?		