

<b>Name:</b>	 <b>UPES</b> UNIVERSITY WITH A PURPOSE
<b>Enrolment No:</b>	

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, December 2019**

<b>Course: Health, Safety and Environmental Regulations in International Energy Sector</b>	<b>Semester: 9<sup>th</sup></b>
<b>Program: BA LLB (Hons-6) Energy Law</b>	<b>Time: 03 hrs.</b>
<b>Course Code: MBEF931</b>	<b>Max. Marks: 100</b>
<b>Instructions: All questions are compulsory</b>	

**SECTION-A (05x02=10 Marks)**

S. No.		Marks	CO
Q1	<b>True or False</b> a) ISO-14012: 1996, stands for qualification criteria for environmental auditors. b) Risk is defined as the unwanted consequence (s) of a particular activity in relation to the likelihood that this may occur.	<b>02</b>	<b>CO1</b>
Q2	<b>Expand the terms</b> a) NDMA..... b) FMEA.....	<b>02</b>	<b>CO1</b>
Q3	<b>Fill in the blanks</b> a) The .....nominates the team for a mini audit (HSE) in consultation with individual departments. b) The frequency refers to the rate of vibrations of sound and is measured in .....	<b>02</b>	<b>CO1</b>
Q4	<b>Multiple choice questions</b> a) PSM stand for (1) Particulate substance and matter (2) Process Safety management (c) 1& 2 (4) None of the above. b) When an emergency extent beyond its premises is known as (1) On-site emergency (2) Off-site emergency (3) 1& 2 (4) none of the above	<b>02</b>	<b>CO1</b>
Q5	Define the term Hazard.	<b>02</b>	<b>CO1</b>

**SECTION-B (20Marks)**

Q6	Briefly explain BLEVE.	<b>04</b>	<b>CO1</b>
Q7	Name the act applicable on the consignee, transporter and driver transporting of hazardous products by road. Briefly discuss the salient features of the applicable act.	<b>04</b>	<b>CO2</b>
Q8	Briefly discuss the measures followed to prevent/mitigate work place occupational hazards.	<b>04</b>	<b>CO2</b>
Q9	Briefly discuss occupational health related procedure.	<b>04</b>	<b>CO2</b>
Q10	Write a short note on- current energy scenario.	<b>04</b>	<b>CO1</b>

**SECTION-C (20 Marks)**

Q11	Environment management system is an integral part of an organization's overall management system. Discuss the benefits of EMS.	<b>10</b>	<b>CO3</b>
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Q12	Briefly discuss the solutions/control technologies adopted by a cement manufacturing industry to prevent the particulate matter pollution at its premises.	10	CO4
<b>SECTION-D( 50 Marks)</b>			
Q13	Discuss in detail the different techniques adopted by developing countries to bridge a gap between the energy supply and demand.	20	CO4
Q14	Explain different components of Quantitative Risk Analysis used by an expert for analyzing the risk of a project.	20	CO3
Q15	Discuss the salient features of health and safety at work (HSWA) Act, 1974.	10	CO2