

Name:	
Enrolment No:	

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

Course: Legal Aspects of Safety, Health & Environment

Semester: VI

Programme: B Tech FSE

Time: 03 hrs.

Course Code: FSEG 332

Max. Marks: 100

Instructions:

SECTION A

S. No.		Marks	CO
Q 1	Define the following a) 'Factory' as per Factories Act 1948. b) 'Environment' as per Environmental Protection Act.	2*2	CO1
Q 2	Define the following a) Doctrine of notion. b) 'Gas cylinder' as per gas cylinder rules 2016.	2*2	CO1
Q 3	How petroleum products are classified?	4	CO1
Q 4	Explain the periodic testing requirements of pressure vessels in service as per Static and Mobile Pressure Vessels (Unfired) Rules, 2016.	4	CO 3
Q 5	What do you understand by extended producer's responsibility?	4	CO4

SECTION B

Q 6	Identify the electrical related safety requirements to be followed in petroleum refining or loading/ unloading areas as per Petroleum Rules 2002.	10	CO3
Q 7	Discuss the applicability of BOCW Act to those premises which are registered under the Factories Act, 1948.	10	CO2
Q 8	Prepare an inspection checklist based on storage requirements of gas cylinders as per gas cylinder rules 2016.	10	CO3
Q 9	a) Enumerate the responsibilities of consumer or bulk consumer as per E-waste rules 2016. Or b) Describe the manifest system for hazardous and other waste to be used within the country as per Hazardous and Other Wastes (Management and	10	CO4

	Transboundary Movement) Rules, 2016		
SECTION-C			
Q 10	<p>Identify the legal compliance/ non-compliance in following scenarios with detailed justification.</p> <p>a) In a company as per procedure e-waste are being disposed to authorized vendor every 5 months.</p> <p>b) During an internal audit in ABC company, it was found that contractor's disbursement of wages are being witnessed by deputy finance manager of ABC.</p> <p>c) ABC employs approximately 800 contract workers and the monthly wage disbursement day is fixed as seventh of preceding month.</p> <p>d) During a safety walk in the oxygen cylinder used for gas cutting was found fitted with a valve conforming to IS: 3745</p> <p>e) LPG cylinders approximately 50 kg stored without any license.</p>	5*4	CO5
Q 11	<p>a) Summarize the provisions related to welfare of workers as per Factories Act 1948.</p> <p style="text-align: center;">or</p> <p>b) Discuss provisions related to health of the workers as per chapter III of Factories Act 1948.</p>	20	CO2

Name:

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UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Supplementary Semester Examination, December 2019

Course: Legal Aspects of Safety, Health & Environment

Programme: B Tech FSE

Course Code: FSEG 332

Instructions:

Semester: I

Time: 03 hrs.

Max. Marks: 100

SECTION A

S. No.		Marks	CO
Q 1	Define following terms a) 'Building worker' as per BOCW act b) 'Environment' as per Environmental Protection Act.	2*2	CO1
Q 2	Define following terms a) 'Young worker' as per factories act. b) 'Pressure vessel' as per SMPV rules	2*2	CO1
Q 3	How explosives are classified?	4	CO1
Q 4	Explain the periodic testing requirements of pressure vessels in service as per Static and Mobile Pressure Vessels (Unfired) Rules, 2016.	4	CO3
Q 5	What are the general duties of the occupier as per factories act?	4	CO2

SECTION B

Q 6	Enlist the duties of the occupier as per bio-medical waste management rules 2016	10	CO4
Q 7	Discuss the object and salient features of Environment (Protection Act) 1986.	10	CO4
Q 8	Identify the electrical related safety requirements to be followed in petroleum refining or loading/ unloading areas as per Petroleum Rules 2002. Or Discuss the salient features of Explosive act 1884 and Explosive rules 2008	10	CO3
Q 9	Discuss the applicability of BOCW Act to those premises which are registered under the Factories Act, 1948.	10	CO2

SECTION-C

Q 10	You have been recently employed in a manufacturing company. You are observing repeated violations of gas cylinder safety requirements. Prepare a report that needs to be submitted to plant head outlining legal requirements that the company shall to be taken into account and where the company is currently failing. In the report, also design a program that you will implement to improve the gas cylinder storage and handling safety, covering the steps required to address the current issues relating handling and storage of gas cylinders within the organization.	20	CO5
Q 11	a) Discuss the various forms that the principal employer and contracts needs to maintain as per Contract Labour Central Rules. Or b) Summarize the provisions related to safety of workers as per Factories Act 1948.	20	CO2