

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2019

Course: Statutory Rules & Regulation

Program: M Tech HSE & M Tech HSE+DM

Course Code: HSFS 7002

Semester: I

Time 03 hrs.

Max. Marks: 100

Instructions: Question no. 11.a is compulsory; you may attempt either 11.b1 or 11.b2

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	CO2
Q 4	Enumerate five duties of safety officer as per Factories rules.	4	CO3
Q 5	What do you understand by extended producer's responsibility?	4	CO2

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	CO4
Q 7	Enlist the duties of the occupier as per bio-medical waste management rules 2016 Or Enumerate the responsibilities of consumer or bulk consumer as per E-waste rules 2016	10	CO3
Q 8	Describe the manifest system for hazardous and other waste to be used within the country as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016	10	CO3
Q 9	Prepare a checklist to assess the periodic testing requirements of pressure vessels in service as per Static and Mobile Pressure Vessels (Unfired) Rules, 2016.	10	CO5

SECTION-C

<p>Q 10</p>	<p>Evaluate legal compliance/ non-compliance in following scenarios with detailed justification.</p> <ul style="list-style-type: none"> a) The employer of ABC steel factory asks an employee to work for 70 hours per week; including overtime. b) ABC is a well reputed construction company having presence in pan India basis for a two day lifting activity in Haryana, they engage a mobile crane having a test certificate issued in Delhi c) A factory engaging 220 male and 125 female workers have 6 latrines respectively d) AMD is a licensed manufacturing company operating in Dehradun; for their civil extension work, the company employs 15 workers. AMD manager refuses to register under BOCW act stating that the company is already registered under factories act. e) ABC company ordinarily employees 450 workers in their factory. The labour welfare activities are taken care by safety officer. f) In a company as per procedure e-waste are being disposed to authorized vendor every 5 months. g) During and internal audit it was found that company filed annual return under ISMW act for last year on 15th of February. h) ABC employs approximately 800 contract workers and the monthly wage disbursement day is fixed as seventh of preceding month. i) During a safety walk in the oxygen cylinder used for gas cutting was found fitted with a valve conforming to IS: 3745 j) LPG cylinders approximately 50 kg stored without any license. 	<p align="center">10*2</p>	<p align="center">CO5</p>
<p>Q 11</p>	<p>a). Discuss the provisions related to listed items as per factories act and model rules</p> <ul style="list-style-type: none"> • Pressure plants, • Safety officers • Precaution in case of fire, • First aid appliances and • Notice of certain accidents <p>b1). Summarize the provisions related to wages as per Minimum Wages and Contract Labour act</p> <p align="center">or</p> <p>b2). Enlist the duties of contractor as per Inter-State Migrant Workmen Act/Central rules.</p>	<p align="center">10</p> <p align="center">10</p> <p align="center">10</p>	<p align="center">CO3</p>