

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Online End Semester Examination, May 2021

Course: Statutory Rules & Regulations
Program: M Tech HSE & HSE+DM
Course Code: HSFS 7002

Semester: II
Time 03 hrs.
Max. Marks: 100

Instructions:

SECTION A

S. No.		Marks	CO
Q 1	Untreated Bio-medical waste shall not be kept more than a) 24 Hours b) 48 Hours c) 1 Week d) 2 Weeks	5	CO1
Q 2	Third schedule of factories act deals with a) List of industries involving hazardous process b) Permissible limits of exposure c) List of occupational diseases d) None of these	5	CO2
Q 3	In an organization 800 people are working on an average, It have 521 male workers and rest are female workers. It have 11 urinals, 10 latrines each for male and females, 1. With respect to latrines; the company is complying the factories act requirements a) True b) False	5	CO3
Q 4	As per Petroleum rules license for storage of class c petroleum products is required when the quantity in possession exceeds 45000 L a) True b) False	5	CO3
Q 5	As per SMPV Rules Relief valves attached to a pressure vessel shall be tested by a competent person a) Every Six months b) Every year c) Every two years d) Every five years	5	CO2
Q 6	In Zone 0 area all electric apparatus installed or used shall be either a flame proof or intrinsically safe apparatus of a type or types approved in writing by the Chief Controller. a) True b) False	5	CO2

SECTION B

Q 7	Enlist the legal requirements related to lifting tools and tackles as per the Factories Act 1948.	10	CO2
Q 8	What are the specific responsibility of the occupier in relation to hazardous processes?	10	CO3
Q 9	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 10	Prepare an inspection checklist based on storage requirements of gas cylinders as per gas cylinder rules 2016	10	CO4

Q 11	<p>Ganga, the young worker employed in the silk reeling unit, was certified by the doctor in the government hospital to be inflicted with 28% disability from the third degree burns she suffered from accident during the course of work. Her salary was Rs. 500/- per day. The Minimum wage notified for that employment was Rs. 650/- per day. The relevant factor is 228.54. The accident occurred in 29th September 1998 and compensation was paid only in December 2003.</p> <p>Calculate the total amount to be paid to the worker.</p>	10	CO3
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SECTION-C

Q 12	<p>Evaluate legal compliance/ non-compliance in following scenarios with detailed justification.</p> <p>a) In a factory, plant level safety committee meetings are held on the following dates 1st meeting: 18 January 2020 2nd meeting: 15 May 2020 3rd meeting: 10 August 2020</p> <p>b) During an internal audit, it was observed that, an operator was operating the grinding machine; GM-07 rated 1000W and 1000 rpm. At the time of operation, the grinding wheel attached had a diameter of 20 cm and rated 1200 rpm.</p> <p>c) During a safety walk in the oxygen cylinder used for gas cutting was found fitted with a valve conforming to IS: 3745</p> <p>d) In a factory LPG cylinders approximately 50 kg are stored without any license.</p> <p>e) Identify and state legal non-compliances observed with the below image.</p>	4*5	CO5
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