

Reg.No. _____

**Karunya UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

End Semester Examination – Nov/Dec – 2016

Code : 14ME2035
Sub. Name : INDUSTRIAL SAFETY ENGINEERING

Semester : 2016-17 ODD
Duration : 3hrs
Max. marks : 100

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Define the term OSHA	CO1	2
	b.	List the factors to be considered during identifying the causes of injury	CO1	2
	c.	Explain the various responsibilities of principals in safety management	CO1	16
(OR)				
2.	a.	Define the term “Trauma”	CO1	2
	b.	Write two difference between accidents vs injuries	CO1	2
	c.	Explain the various steps involved in Industrial safety efforts that have been referred to as the people safety program	CO1	16
3.	a.	Define the function of safety trip control	CO2	2
	b.	Explain the method of safeguarding in pullback device	CO2	2
	c.	List out the various methods used for safeguarding machines in an industry	CO2	16
(OR)				
4.	a.	Explain in detail about safety requirements recommended in an industry for the use of Mechanical press by a safety department	CO2	20
5.	a.	Define the term MSDS	CO3	2
	b.	List out some of the common mechanical hazards faced by an worker	CO3	2
	c.	In detail explain the various Safety requirements recommended in an chemical industry for handling chemicals	CO3	16
(OR)				
6.	a.	Explain the various safety principles to be followed during gas welding process and name some protective equipments used	CO3	20
7.	a.	Name the three health hazards undergone by labor in paint shop	CO4	2
	b.	Mention any two Problem solving skills of the furnace operator	CO4	2
	c.	Enumerate the safety responsibility to be followed in heat treatment process	CO4	16
(OR)				
8.	a.	List any two safety principles to be followed during shot blasting process	CO4	4
	b.	Explain the various safety principles to be followed in a paint shop	CO4	16
<u>Compulsory:</u>				
9.	a.	Enumerate the various safety principles to be followed during electroplating process	CO4	10
	b.	Explain the different safety precautions followed during hydro testing	CO4	10

ALL THE BEST