15CV564

Fifth Semester B.E. Degree Examination, Dec.2018/Jan.2019 Occupational Health, and Safety

Time: 3 hrs.

Max. Marks: 80

Note: Answer any FIVE full questions choosing ONE full question from each module.

		oter Ansare and 117 Eyan questioning or Eyan question	
ı		Outline the purpose of Occupational Safety and Health Act of India. Explain the history of Safety development.	(08 Marks) (08 Marks)
2	a. b. c.	Define i) Accident (ii) Hazard (iii) Risk. Write a short note on 3E's of safety. Explain the various methods of Accident Investigation.	(03 Marks) (03 Marks) (10 Marks)
		Module-2	
3	a.	Define 'Ergonomics'. Discuss the elements of OSHA's Ergonomic guidelines.	(10 Marks)
	b.		(06 Marks)
		OR CO	
4	a.	Define i) Human error analysis ii) Fault tree analysis.	(08 Marks)
	b.		(68 Marks)
		Modute-3	
5	a.	Define Fire and discuss the classification of fire.	(08 Marks)
	b.	The state of the s	(08 Marks)
	1		
		OR Continuishing 6	
6	a.	List and explain the various methods of extinguishing fire.	(08 Marks)
	b.	Discuss the management of electrical safety.	(08 Marks)
		Modules.	
-		Discuss about the health problems at workinglice.	(08 Marks)
1	4	Explain the necessary actions to be implemented at work place.	(08 Marks)
-16	υ.	Explain the necessary	- 200
/1		OR	# 1 to
8	a.	Explain the different types of personal protective equipment.	(08 Marks)
	b.	Discuss the Environment Management plan for safety and sustainability.	(08 Marks)
		. Soci	
		Module-5	(00 54 - 1-5
9	a.	Explain the preventive measures for safety in construction industry. Discuss the Safety and Health in wastewater treatment plants.	(08 Marks) (08 Marks)
	b.	Discuss the Salety and Treatment Mastewater treatment plants.	(vo marks)
		OR OR	
10	a.	Discuss the roles and responsibilities of Managers in construction industry.	(08 Marks)
1	b.		(08 Marks)
		CANA.	

important Note: 1. On completing your unswers, compalsorily draw diagonal cross lines on the remaining blank pages.

2. Any revealing of Rentification, appeal to evaluator and for equations written eg. 42+8 = 50, will be treated as malpractice.

GBCS Scheme

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a. Define the following: i) Safety ii) Hazard iii) Accident to rest. b. Write a note on : i) Need for accident investigation ii) Methods of acquiring accident facts. (68)	8 Marks) 8 Marks) 8 Marks) 8 Marks) 8 Marks)
a. Define the following: i) Safety ii) Hazard iii) Accident iv) Risk. (08 b. Write a note on : i) Need for accident investigation ii) Methods of acquiring accident facts. (08)	8 Marks) 8 Marks) 8 Marks)
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b. Write a note on : i) Need for accident investigation ii) Methods of acquiring accident facts. (08)	5 Marks)
i) Need for accident investigation ii) Methods of acquiring accident	5 Marks)
	5 Marks) 5 Marks)
OR	5 Marks) 5 Marks)
	Marks)
And the Manual laws	
tion and the considered in accident investigation	
Module-2	8 Marks)
3 a. What do you understand by ergonomics? Write a brief note on task analysis. (98)	8 Marks)
b. Discuss the hazard prevention and control.	
OCUA's Emonomics guidelines.	5 Marks) 5 Marks)
4 a. Define Ergonomics and comment on OSHA's Ergonomics guidelines. b. Write a brief note on Work site analysis programme for ergonomics. (63)	, (*12183)
b. Write a brief note on Work site analysis programme	
Module-3	8 Marks)
the courses of fire hazard.	8 Marks)
5 a. Define Fire hazard and discuss the sources of the Source Safety. b. Write a brief note on Electrical Safety and Product Safety.	
b. Write a brief note on Literature	
t t to a floor	8 Marks)
6 a. List and explain various methods of Extinguishing fire. (0)	8 Marks)
6 a. List and explain various methods of Extinguishing the. b. Outline the general do's and don't's during electrical fire accident.	
b. Outline the general and a stadulard	tions
Module-4 Module-4 Write a note on use of personal protective equipments for health and safety considers (0)	anons. 8 Marks)
Write a note on use of personal protective equipment	8 Marks)
b. Discuss ISO: 14000 standard with its requirements.	
Discuss ISO: 14000 standard with his require	
	8 Marks)
of respiratory protective devices.	8 Marks)
8 a. Explain various types of respiratory protective devices. b. Write a brief note on Total Quality Management. Brodule 5	
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b. Write a brief of the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration in the construction Industry. (9 a. Discuss briefly the various Safety Consideration Industry. (9 a. Discuss briefly the various Safety Consideration Industry. (9 a. Discuss briefly the various Safety Consideration Industry. (9 a. Discuss briefly the various Safety Consideration Industry. (9 a. Discuss briefly the various Safety Consideration Industry.	8 Marks
Safety Consideration in the Considerand Water and Waste	Water
9 a. Discuss briefly the various Safety Consideration in the construction Industry. b. Write a brief note on Health problems in handling of chemicals in Water and waste various plants.	8 Marks
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realment plants	A & C 1- 4
OR OR plants.	nal Solie
Hazard prevention and control be adopted in Managing Municipation to be adopted in Managing Muni	Marks
OR OR OR Write a brief note on Hazard prevention and control in RMC plants. (0 b. Explain various health and safety consideration to be adopted in Managing Municipal (0)	10 112122
D. Explain	
Waste.	