P. P. SAVANI UNIVERSITY

Third Semester of B.Sc. Examination Feb.-March-2020

SSFS2050-Safety in various industries

28.02.2020, Friday

All of the above

Time: 12:30 p.m. to 03:00 p.m.

Maximum Marks: 60

Q.1	Very Short Questions (Attempt all questions)	(10)
1.1	Objectives (10MCQ Compulsory-0.5 mark each)	05
1.1a	What needs to be done before you start to excavate? A Evaluate soil condition B Construct protective systems C Provide safe access D All of the above	
1.1b	The start of height as per OSHA A 1.5 m B 1.8 m C 1.6 m D 2.5 m	
1.1c	Probability of the event that might occur * severity of the event if it occurs= A Accident B Hazard C Risk D None of the above	
1.1d	The following physical hazard	
	A Fall B Electricity C Inhalation D All of the above	
1.1e	Hydrocarbons are organic compound with element A Hydrogen B Oxygen C Carbon D Both hydrogen and carbon	
1.1f	Industrial safety management if that branch of management which is concerned with hazards from the industries Reducing Controlling All of the above	
1.1g	The following is physical hazard agent A Fall B Electricity C Inhalation	

1.1h	and is the printary component of crude off?	7
	A Sulfur B Carbon	
	C Hydrogen	
	D Nitrogen	
	D Microgen	
1.11	OHSA was created to	
	A Data analysis	
	B To reduce hazard	
	C Ecological development	
	D EIA analysis	
1.1j	In the case of fatal accident when should be a report field for nearest OHSA office?	
	A Within 24 hours	
	B Within 48 hours	
	C Within 8 hours	
	D Within 4 hours	
1.2	Five Questions (Definitions-1 mark each)	05
1.2a	Unsafe action	
1.2b	Unsafe condition	
1.2c	Dust	
1.2d		
1.2e	Accident	
Q.2	Chart Notes ()	
Q.2 A	Short Notes (attempt any two- 3 marks each)	06
В	Hazard in construction industry	
	Explain the scaffolding system	
C	Discuss the hazard in construction industry	
Q.3	Explain in detail (attempt any true 7	
A.	Explain in detail (attempt any two-7 marks each)	14
	Explain about safety precaution in transportation of chemical, petroleum, toxic or radio-active substance.	
В	Explain in detail construction equipment	
C	Why need of safety in engineering industries	
	mode of stately in engineering moustries	

Section-B

Q.1	Very Short Questions (attempt all questions)	(10)
1.1	Objectives (10 MCQ Compulsory-0.5 mark each)	05
1.1a	Which of the following is a disadvantage of steel? A High strength per unit mass B High durability C Fire and corrosion resistance D Reusable	
1.1b	Hydrocarbon are organic compound with element A Hydrogen B Oxygen C Carbon D Both hydrogen and carbon	
1.1c	A confined space is deemed ready for employee entry when A A company safety inspector has certified it B The unit operation foreman declares it ready C An engineer has completed the necessary calculations D Your supervisor assigns you to the job	
1.1d	The physical data term on a material safety data sheet hat indicate if the vapor formed by the material is lighter or heavier than air is called A Vapor pressure B Vapor density C Vapor gravity D Vapor level	
1.1e	The purpose of a lock-out/tag-out procedure is to; A Improve productivity on the job B Secure harmful energy source to prevent injury C Save money D All of the above	
1.1 f	The equipment used for short haul distance of 100m is A bulldozer B Scraper C Power shovel D Hoe	
1.1g	What need to be done before you start to excavation? A Evaluate soil condition B Construct protective systems C Provide safe access D All of the above	
1.1h	For house hold wiring and small units, the following should be used for safety measure A ACB B OCB C MCB	

1.11	Decibel (db) is a unit used to measure A Light B Sound C Frequency D None of the above	**
1.1j	What is the main objective of risk assessment? A To evaluate hazard and minimize the risks B Remediation of contaminated sites C hazard management D to know source of pollutants	
1.2 1.2a 1.2b 1.2c 1.2d 1.2d	Five Questions (Definitions-1 mark each) Noise Hazard Risk Vibration Health	05
Q.2 A B	Short Notes (attempt any two- 3 marks each) Explain MAH Explain the on-site emergency plane Safety aspect of blasting in quarry	06
Q.3 A B C	Explain in detail (attempt any two-7 marks each) Explain in detail MSDS Explain in detail on-site and off-site emergency plane What is the hazard associated with excavation work on construction site and the control measure in place to reduce the risk of injury	14