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Enrolment No.	
	50111
BE - SEMESTER–VI(NEW) – EXAMINATION – SUMMER 2019 Subject Code:2161305 Date:16/05/2019)
Subject Name:Occupational Health and Safety	
Time:10:30 AM TO 01:00 PM Total Marks: 70)
Instructions:	
 Attempt all questions. Make suitable assumptions wherever necessary. 	
3. Figures to the right indicate full marks.	
Q.1 (a) Describe the significance of Threshold Limit Value (TLV).	03
(b) Explain the various routes of entry of toxicants in to the human body.	03 04
(c) Give the classification of occupational health hazards.	07
Q.2 (a) Define: (i) Safety (ii) LD_{50} (iii) MSDS	03
(b) Explain the 5 E's for accident prevention.	04
(c) Discuss the safety measures for electric works.	07
OR	07
(c) Explain the effects of electrical parameters on human body.	07
Q.3 (a) Draw & explain the pyramid of fire.	03
(b) Explain the constituents of Ergonomics.	04
(c) With the help of table explain classification of fire and extinguishers.	07
OR	
Q.3 (a) State the causes of fire.	03
(b) Give the application of Ergonomics for safety and health	04
(c) What is explosion and give the classification of explosion.	07
Q.4 (a) Describe the functions of Health, Safety & Environment (HSE) department	03
in an any industry.	ve
(b) Discuss the requisite characteristics of personal protective equipment.	04
(c) Write a short note on factors impending safety and Accident prevention.	07
OR OR	
Q.4 (a) State the scientific safety management functions.	03
(b) Write down the need of personal protective equipments.(c) Explain the various Reasons for accident prevention.	04 07
(c) Explain the various Reasons for accident prevention.	07
Q.5 (a) Define Pneumoconiosis as per International Labour Organization. Name the	03
various types Pneumoconiosis.	
(b) Differentiate between HAZOP & HAZAN	04
(c) Write a short note on Fault Tree Analysis along with the example.	07
OR	
Q.5 (a) Discuss the various factors, which affect the development of	03
Pneumoconiosis.(b) Write a brief note on Preliminary Hazard Analysis.	04
(c) Give the procedure of HAZOP.	04 07
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