

B. E. CONSTRUCTION ENGINEERING 4TH YEAR 2ND SEMESTER - 2022**SUBJECT: Construction Quality & Safety Management**

Time : Four Hours

Full Marks : 35

Part I

Question No.		Marks
	Answer Question No.1 and any five from the rest	
Q1.	Describe the different safety practices to be followed during excavation. Also, mention different PPE to be used during excavation work.	10
Q2.	Mention the different causes of accidents at construction site.	05
Q3.	What are the differences between an industry in operation and construction site from the safety point of view ?	05
Q4.	Discuss the importance of personal protective equipment's (PPE) at construction site. Also, state the measures for effective utilization of PPE.	05
Q5.	Write a short note on co-ordination required at construction site for ensuring safety at construction site.	05
Q6.	What are the general requirements as regards to scaffolding from safety point of view?	05
Q7.	Describe the basic features of CUP LOCK scaffolding.	05
Q8.	What do you understand by full-body Harness. Describe the different components of full-body Harness.	05

Ref: Ex/CON/PC/H/T/421/2022

Name of Examination :B.E. CONSTRUCTION ENGINEERING FOURTH YEAR SECOND SEMESTER - 2022

Sub: CONSTRUCTION QUALITY AND SAFETY MANAGEMENT(HONS.) Marks: 35

Part-II

Answer all questions:

1. Why is it required to go for quality management for any infrastructure project? 3
2. How a plan is made quality management in a project ? Write steps for a PDCA cycle for quality management .Describe them in brief 5+7=12
3. A) How is rust checked for TMT bars at site? 5
B) Why is safety important at any construction site? In terms of basic safety guidelines what are the points for mindsets and awareness? What is effective supervision? What protective equipment are to be used while construction are going on? 3+5+3+4=15