

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- 2025

M.Tech-1st Semester (CE)

COURSE CODE (CREDITS): 10M11CE114 (3)

MAX. MARKS: 35

COURSE NAME: Construction Safety and Health

COURSE INSTRUCTORS: Dr. Amardeep

MAX. TIME: 2 Hours

Note: (a) All questions are compulsory.

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q.No	Question	Marks
Q1	Make a list of different general safety & health provisions codes provided by OSHA.	5
Q2	What are the precautions should be taken during drilling and blasting? Discuss in detail as per Indian standard SP 70:2001.	5
Q3	A flexible pavement is constructing from Wagnaghat to Jaypee University of Information Technology Solan. It is to note that the material is supposed to be transported from Hot mix plant located near Kandaghat (Assume). Discuss the whole procedure in detail for making the pavement by keeping the safety of the workers on top priority.	10
Q4	Discuss the roles and responsibilities of key personnel management, safety officers, and workers in establishing and maintaining a strong safety culture on a construction project.	10
Q5	Discuss in details about the risk associated with excavation and trenching safety. What measures should be taken to overcome these risks?	5