

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

School of University Polytechnic

Diploma in Civil Engineering
Semester End Examination - Nov 2023

Duration : 180 Minutes
Max Marks : 100

Sem V - N1DB504T - Earthquake EngineeringGeneral Instructions

Answer to the specific question asked

Draw neat, labelled diagrams wherever necessary

Approved data hand books are allowed subject to verification by the Invigilator

- 1) Define Fe250 K1 (2)
- 2) Explain the term mass irregularity K2 (4)
- 3) Express the relationship between magnitude and intensity of earthquake? K2 (6)
- 4) Paint & show body and surface waves. K3 (9)
- 5) Write a short note on Disaster Preparedness. K3 (9)
- 6) Examine a case study on any tsunami around the world. K5 (10)
- 7) Point out the disaster and its types K4 (12)
- 8) Examine the point to be keep in mind while designing earthquake resistant building as per IS 4326? K5 (15)
- 9) Research the elements that the seismic code IS13920:1993 took into account. K5 (15)
- 10) Explore the earthquakes performance of structures in past earthquakes. K6 (18)