

UTKAL GOURAV MADHUSUDAN INSTITUTE OF TECHNOLOGY, RAYAGADA
Internal Assessment
6th Semester— 2022(Summer), Civil engg.

TH 3: Advance Construction Techniques and Equipment

Full Mark: 20

Time: 1 hour

1. Answer any FIVE (2×5=10)
 - a. Define steel fibre?
 - b. Mention types of artificial timbers ?
 - c. Explain plastic fibre?
 - d. Define different types of advance construction materials used in advance construction ?
 - e. Explain Retrofitting of a structure.
 - f. State the advantages of lintel band.
 - g. Name some of the global retrofitting techniques.

2. Answer any TWO (5×2=10)
 - a. Describe fiber with its types and their uses.
 - b. Illustrate prefabrication with their uses in advanced constructions.
 - c. Describe different methods of increasing earthquake resistance in masonry building.
 - d. Classify different retrofitting techniques and describe any 2 of them.
