

## School of Engineering and Technology

**Ref. No.:** CSOET/CSE/INT/2025/187

**Dated:** 28<sup>th</sup> October 2025

### NOTICE (Test Announcement Batch: 2023)

<b>Course Code:</b> 25CS020	<b>Course Title:</b> Algorithm Design & Implementation	
<b>Examination:</b> Formative Assessment-II	<b>Max. Marks:</b> 40	<b>Duration:</b> 60 Mins.
<b>Date of Examination:</b> November 4, 2025 to November 7, 2025	<b>Exam Time:</b> Class Time Table (Under label: Assmt)	<b>Mode of Examination:</b> Offline
<b>Programme &amp; Semester:</b> B.E. (CSE)-I		

#### Syllabus for Test:

<b>Session No.</b>	<b>Topics</b>
11-12	Binary Search Trees Traversals, In-order Traversal, Pre-order Traversal, Post-order Traversal and Practice Problems Level-order Traversal and Practice Problems
13-14	Heap and Priority Queues: Heap Sort
15-16	Heap and Priority Queues: Implement Priority Queue using Linked List, Priority Queue Class in Java.
17-18	Introduction to Divide and Conquer Strategy- Merge and Quick Sort
19-20	Analysis of Merge and Quick Sort Complexity and Practice Problems

#### Pattern of Question Paper:

<b>Mark(s)</b>	<b>1 Mark MCQ</b>	<b>5 Mark Coding</b>
<b>No. of questions</b>	30	02
<b>Options</b>	-	-

**Name of Course Coordinator:** Dr. Nagesh Kumar

  
**Signature of Course Coordinator**