

TEMPLECITY INSTITUTE OF TECHNOLOGY & ENGG.
(DIPLOMA)
1ST Internal Assessment Test-W-2021

Sub:-DS

Branch: - CSE

3rd Sem

FM – 20

Time: - 1 Hour

(Figures in the right-hand margin indicate marks)

1. **Answer any Three.** **(3 x2)**
 - (a) Define Program?
 - (b) What is Algorithm?
 - (c) Write definition of Datastructure?
 - (d) Define Data?
2. **Answer any Two.** **(2 x 3.5)**
 - (a) Explain Types of Datastructure ?
 - (b) Explain time complexity and space complexity?
 - (c) Write down one dimensional array program in C?
3. **Answer any one.** **(1 x 07)**
 - (a) What is 2D Array?explain with example?
 - (b) Explain difference between Array and Stack?
