



## Government Polytechnic, Mumbai

ODD 2023-24

Programme: IT  
SEMESTER: 4th

UNFT TEST-I

Course Name: Software Engineering  
MAX. Marks:20

Course Code: IT23108  
TIME: 1 hour

### QUE.1) Attempt the following

- Define Software. Enlist any four types.
- Differentiate between PSP & TSP(Minimum 4 points).
- State software characteristics .

(2 X 3=06)

[Co 01 / Level(R)]  
[Co 02 /Level(R)]  
[Co 03 /Level(R)]

### QUE.2) Attempt the following

- Explain Software Engineering- A Layered Approach.

**OR**

- Write a short note on the Identifying A Task Set.
- Write a short note on the Waterfall Model.

**OR**

- Explain the V Model with a neat diagram.

(4 X 2 =08)

[Co 01/Level(U)]  
[Co 02 /Level (U)]

[Co 02/Level (A)]

### QUE. 3) Attempt any TWO

- State when to use Incremental Process Model. Give its benefits.
- State the elements of a software process.
- Sketch Prototyping model.Give any two advantages.

(3 X 2 =06)

[Co 02 /Level (U)]  
[Co 01/Level (R)]  
[Co 02/Level (A)]

| CO           | R         | U         | A         | TOTAL     |
|--------------|-----------|-----------|-----------|-----------|
| 01           | 07        | 04        | 03        | 14        |
| 02           | 02        | 07        | 07        | 16        |
| <b>TOTAL</b> | <b>09</b> | <b>11</b> | <b>10</b> | <b>30</b> |