\   **Date: 14/08/2023**

UT Question Bank

Year and Div.: 2023-2024 & I
Subject: SPOS

Q.1 Define Assembler Directive. Explain ORGIN, EQU & LTORG.

Q.2 Find Intermediate code along with ST, PT, LT for following Program   \

```
        START 200
        MOVER AX, ='5'
        MOVEM AX, X
L1      MOVER BREG, ='2'
        ORIGIN L1+3
        LTORG
        NEXT EQU L1
        X DS 2
        Y DC 10
        END
```

Q.3 Explain in details assembly language programming.

Q.4 What is forward reference? How it is handled in single pass assembler?

Q.5 Draw the Flowchart for pass-1 of 2 pass assembler.

Q.6 What is the difference between literal and immediate operand. How assembler handles them. Give example

Q.7 Define system programming & explain its all tool in details.

Q.8 Draw the Flowchart for pass-1 of 2 pass assembler.

Q.9 Explain advance macro facilities.

Q.10 Explain Macro Pass-I with flowchart

Q.11 Explain Macro Pass-II with flowchart

Q.12 What is Macro? List down advantages of Macro facility. Differentiate between macro and function

Q.13 Explain Different data structure used in macro pass-1 and pass-2.

Q.14 Explain with suitable example term Macro expansion, nested macro call and nested macro definition

.Q.15 Explain Expansion time variable using suitable example.

Q.16 Differentiate between macro and subroutine.

Q.17 Draw pass-2 of 2 pass macro processor

Q.18 Explain Expansion time variable with example

Q.19 Explain Conditional statement in macro and explain it in detail

Q.20 Explain different types of commands in Assembler

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