Class & Division: **T.E. – A & B**
Subject: System Programming and Operating System
Name: Adsure Sharad Sampat, Amol Dhepe, Sunita Patil, Vidya Harkal
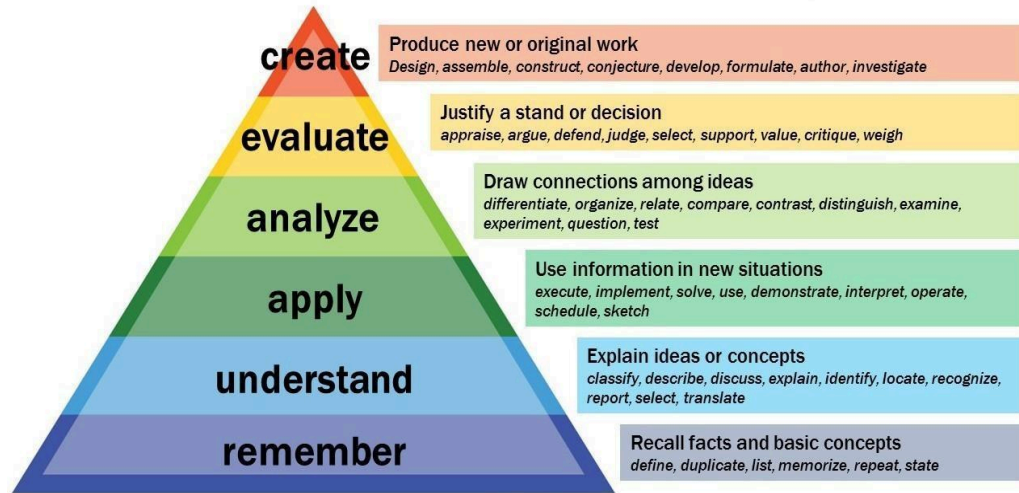Assignment No: 02   Batch No: B1/B2/B3
A1: Q 1, 2,3,4,8,14   A2: Q 5,7,8,10,12,14   A3: Q 6,9,11,12,13,14
Maximum marks for Assignment:____8_   Assignment Declaration Date: 28/7/2025
Assignment Submission Date: (8/8/2025) Assignment assessment declaration Date by faculty: (8/8/2025)

Question NO	Question Statement	Level of mapping & NO.			Blooms Level	Marks
		CO	PO	PSO		
Q.1.	Explain MNT, MDT, MDTP and ALA with respect to macro processor Using example?	2	1		3	4
Q.2	Explain with suitable example term Macro expansion, nested macro call.	2	1,10		2	4
Q.3	Explain General loading scheme with advantages & Disadvantages	2	1,3		2	5
Q.4	Explain Advanced Macro facilities with example 1. Alteration of flow of control during macro expansion 2. Expansion time variable	2	2,3		2	6
Q.5	Explain the process of Macro expansion with relevant data Structure.	2	1		2	6
Q.6	Explain design of two pass Macro preprocessor in details.	2	1,3		2	6
Q.7	List & explain various code optimization techniques	2	2		2	4
Q.8	Define Macro. What are the advantages of macro facility? Explain difference between Macros and Function	1	1		2	8
Q.9	Explain in detail various phases of a compiler.	3	1		2	5
Q.10	Compare Compiler and Interpreter	3	1		1	4
Q.11	Explain various phases of the Compiler for the expression x = I + R * 60 where the data type of R is float.	2	2		3	4
Q.12	Define the terms Token, Lexeme, Pattern, String, Alphabets	2	1		1	5
Q.13	Explain argument passing mechanism in Macros with suitable examples?	2	1		1	6
Q14.	Explain the concept of single pass Macro processor with examples. Give an example for macro calls within the macro.	2	1,3		2	6
Blooms level no	Blooms Taxonomy terms					
6						
5						
4						
3						
2						

Bloom's Taxonomy

create — Produce new or original work
Design, assemble, construct, conjecture, develop, formulate, author, investigate

evaluate — Justify a stand or decision
appraise, argue, defend, judge, select, support, value, critique, weigh

analyze — Draw connections among ideas
differentiate, organize, relate, compare, contrast, distinguish, examine, experiment, question, test

apply — Use information in new situations
execute, implement, solve, use, demonstrate, interpret, operate, schedule, sketch

understand — Explain ideas or concepts
classify, describe, discuss, explain, identify, locate, recognize, report, select, translate

remember — Recall facts and basic concepts
define, duplicate, list, memorize, repeat, state

Subject In-charge   **HOD**