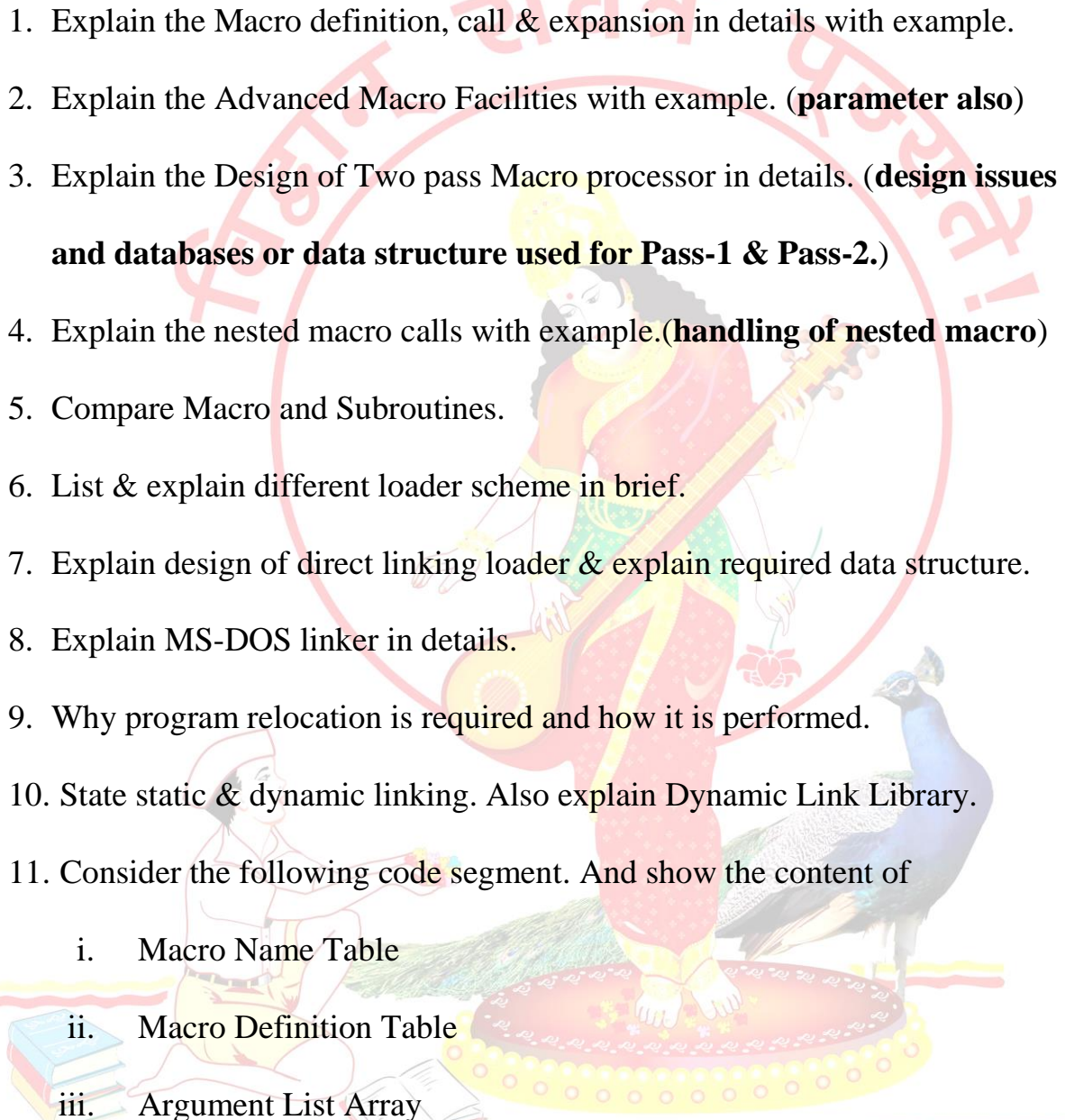


Pune Vidyarthi Griha's
COLLEGE OF ENGINEERING, NASHIK – 4
COMPUTER ENGINEERING DEPARTMENT

Subject : SPOS

ASSIGNMENT NO – 02

Unit : II

1. Explain the Macro definition, call & expansion in details with example.
 2. Explain the Advanced Macro Facilities with example. (**parameter also**)
 3. Explain the Design of Two pass Macro processor in details. (**design issues and databases or data structure used for Pass-1 & Pass-2.**)
 4. Explain the nested macro calls with example. (**handling of nested macro**)
 5. Compare Macro and Subroutines.
 6. List & explain different loader scheme in brief.
 7. Explain design of direct linking loader & explain required data structure.
 8. Explain MS-DOS linker in details.
 9. Why program relocation is required and how it is performed.
 10. State static & dynamic linking. Also explain Dynamic Link Library.
 11. Consider the following code segment. And show the content of
 - i. Macro Name Table
 - ii. Macro Definition Table
 - iii. Argument List Array
- 

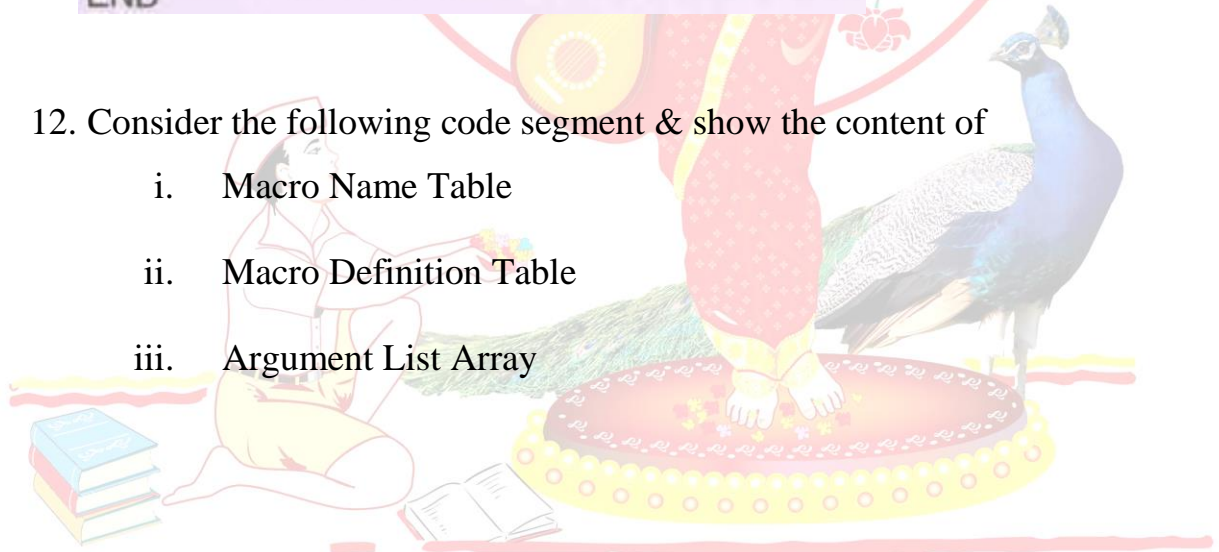
```

MACRO
INCR      &X, &Y, &REG = AREG
MOVER    &REG, &X
ADD      &REG, &Y
MOVEM    &REG, &X
MEND
MACRO
DECR     &A, &B, &REG = BREG
MOVER    &REG, &A
SUB      &REG, &B
MOVEM    &REG, &A
MEND
START    100
READ N1
READ N2
INCR N1, N2, REG = CREG
DECR N1, N2
STOP
N1       DS 1
N2       DS 1
END

```

12. Consider the following code segment & show the content of

- i. Macro Name Table
- ii. Macro Definition Table
- iii. Argument List Array



1.	MACRO		
2.	INCR	&A, &B, ®	
3.	MOVER	®, &A	
4.	ADDS	&A, &B	
5.	MOVEM	®, &A	
6.	MEND		
7.	MACRO		
8.	ADDS	&F, &S	
9.	MOVER	AREG, &F	
10.	ADD	AREG, &S	
11.	MOVEM	AREG, &S	
12.	WRITE	&S	
13.	MEND		
14.	MACRO		
15.	SUBS	&F, &S	
16.	MOVER	BREG, &F	
17.	SUB	BREG, &S	
18.	MOVEM	BREG, &S	
19.	WRITE	&S	
20.	MEND		
21.	START	200	
22.	READ	N1	
23.	READ	N2	
24.	ADDS	N1, N2	
25.	SUBS	N1, N2	
26.	INCR	N1, N2, DREG	
27.	STOP		
28.	N1	DS	2
29.	N2	DS	2

पूजयते!



***** Best of Luck *****