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PG/2nd Sem/MCA-297/24

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M.Sc. 2nd Semester Examination

MCA

PAPER : MCA-297

(Advanced OS Lab)

(Practical)

Full Marks : 100

Time : 4 hours

The figures in the right-hand margin indicate marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Answer *any two* questions selecting it by
lucky draw : 35×2=70

- 1.** Write a program to create a new process using system () that displays the processes running on your system.
- 2.** Demonstrate using a program how can you duplicate a Program's Process using fork ().

/987

(Turn Over)

(2)

3. Write a shell program to find the prime number in between 1 to 100.
4. Create a zombie process using a program.
5. Write a shell program to check a number is Armstrong number or not.
6. Demonstrate using a program how can you fork a new child process that displays list of files where parent process should wait for the completion of child.
7. Write a shell program to check whether a string is palindrome or not.
8. Write a shell program to find the reverse of a number.
9. How can you generate fibonacci numbers? Illustrate it using a shell program.

(3)

10. Write a shell program to check a file exists or not and if it exists then display its type.

Distribution of Marks :

Program code	2 × 20 = 40
Execution of program	2 × 10 = 20
Results	2 × 5 = 10
Viva-voce	20
Laboratory notebook	10
Total	<u>100</u>

Viva voce—20

PNB—10
