

F.Y. B.SC (COMPUTER SCIENCE) – SEM-I
SUB: LINUX OPERATING SYSTEM
PUNE VIDHYARTHI GRIHA'S
COLLEGE OF SCIENCE & TECHNOLOGY

Q.P CODE:USCS104

(TIME :2 ½ Hrs.)

TOTAL MARKS :75

N.B:-

1. All questions are compulsory.
2. Answers to the same question must be written together.
3. Numbers to the right indicate full marks.
4. Draw neat labeled diagrams wherever necessary.
5. Use of Non-programmable calculators are allowed.

Q1) Attempt the following (ANY FOUR) (Each of 5 marks) [20M]

- A) Write a short note on linux architecture.
- B) Diagrammatically explain the linux architecture.
- C) Explain the relation ship between kernel and shell with diagram in detail.
- D) Write five features of linux operating system and explain each in detail.
- E) What are the types of distributors of linux? Explain each in detail.
- F) What are the advantages of the linux operating system ? Explain each in detail.

Q2) Attempt the following (ANY FOUR) (Each of 5 marks) [20M]

- A) What is the linux shell? What types of the linux shell available in linux operating system.
- B) What is the file system in linux ? Explain it in detail.
- C) Explain command structure in details.
- D) List out any five commands. Write short note on each commands.
- E) Write the use of following directories in linux operating.
(a) /etc (b)/root (c)/bin (d) /sbin (e) /lib
- F) Explain in detail the following commands in details.
(a) man (b) info (c) help (d) mkdir (e) touch

Q3) Attempt the following (ANY FOUR) (Each of 5 marks)

[20M]

- A) How to rename the file in linux? Explain it in detail.
- B) Explain the head command in linux in detail .
- C) Explain the tail command in linux in detail.
- D) Which command is used to compress and decompress the file? Explain it in detail.
- E) How to find the difference in the two files? Explain it in detail.
- F) Explain the regular expression and grep command in detail.

Q4) Attempt The Following (Any FIVE) (Each Of 3 Marks)

[15M]

- A) Explain the date command with different format specifiers.
- B) Explain the echo command with syntax and options.
- C) What are the files? What are the different types of the categories in the file in linux ? Explain it in detail.
- D) Explain the following commands in detail.
(a) cp (b) mv (c) cat (d) pwd .
- E) Which are the linux file handling commands ? Explain each in detail.
- F) How to copy the file in the linux operating system? Explain the procedure in detail.