

OR

- (P) What are protocols ? Explain TCP/IP. 6
- (Q) What is search engine ? Explain its working. 6
5. (A) How memory management is done in Unix operating system ? Explain. 6
- (B) Explain process state transition diagram. 6

OR

- (P) How processes are handled in Unix operating system ? 6
- (Q) Explain :—
- (i) ls
- (ii) mv
- (iii) cp 6
6. (A) State and explain features of LINUX. 4
- (B) What is the role of Kernel ? Explain. 4
- (C) What is IPC ? Explain. 4

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Second Semester B. Sc. (Part - I) Examination

2S - BIOINFORMATICS

(Computer Fundamentals and Operating Systems)

P. Pages : 5

Time : Three Hours]

[Max. Marks : 80

- Note :** (1) Attempt Seven questions in all.
 (2) Assume suitable data if necessary.
 (3) Que.1 is compulsory and carries 8 marks.

1. (A) Fill in the blanks.
- (i) _____ protocol is used for transferring file.
- (ii) Google is a _____.
- (iii) Laser printer is _____ printer.
- (iv) Internet Explorer is a _____ 2
- (B) Choose the correct alternatives.
- (i) _____ is not valid unix command
- (a) CP (b) ls
- (c) mkdir (d) ds.
- (ii) _____ is not a number system.
- (a) ASCII (b) Binary

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P.T.O.

- (c) Octal (d) Decimal
(e) Hexadecimal.

(iii) The printer which creates noise is called as _____ printer.

- (a) Non-impact (b) Impact
(c) Laser (d) Thermal.

(iv) _____ is the most commonly used topology for Networking.

- (a) Bus (b) RING
(c) STAR (d) MESH. 2

(C) Answer in **one** sentence.

(i) What is WWW ?

(ii) What is TCP/IP ?

(iii) Define LAN.

(iv) What is RAM ? 4

2. (A) What is ROM ? State and explain types of ROM. 4

(B) What is the need of Compiler ? Explain. 4

(C) How printers can be classified ? Explain. 4

OR

(P) What is Number system ? Explain. 4

(Q) What is the need of compiler and Interpreter ? Explain. 4

(R) State and explain characteristics of computer. 4

3. (A) How formatting is done in MS-WORD ? Explain. 4

(B) What is desktop ? Explain some common Icons available on desktop. 4

(C) What is mail merge ? Explain. 4

OR

(P) What is my computer ? Explain. 4

(Q) What is text formatting ? Explain. 4

(R) What is Windows explorer ? Explain. 4

4. (A) How graphs are created in excel ? Explain. 6

(B) What are different ways to get internet connection ? Explain. 6

OR

(P) How security is implemented in LINUX ?
Explain. 4

(Q) What is file system in LINUX ? Explain. 4

(R) State and explain design principles of LINUX. 4

7. (A) What is Networking ? Explain. 4

(B) Explain OSI model for networking. 4

(C) What are communication protocols ? Explain. 4

OR

(P) What is the need and goals of networking ?
Explain. 4

(Q) What is hybrid topology ? Explain. 4

(R) What is client server architecture ? Explain. 4



