

Roll No.

Exam Code : D-22

Subject Code—58387

B.Sc. EXAMINATION

(Main/Reappear) (Batch 2018 Onwards)

(First Semester)

COMPUTER SCIENCE

CCsL-104

Fundamentals of Computer

Time : 3 Hours

Maximum Marks : 80

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

(Compulsory Question)

1. Attempt any eight of the following :
 - (a) How can we insert image in word document ?
 - (b) Define the term hyperlink.

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- (c) What is Cache Memory ?
- (d) Write a short note on Computer Virus.
- (e) Describe DNS in brief.
- (f) What is a distributed operating system ?
- (g) What are the Security threats of Internet ?
- (h) What is Network Interface Card ?
- (i) Write a short note on Open Sources Software. 8×2=16

Unit I

- 2. (a) Explain the generations of computer with examples. 8
- (b) What are the various components of a CPU ? Explain the role of each component. 8
- 3. (a) Write down the relative merits and demerits of different storage devices. 8
- (b) Classify the different types of software. Explain the purpose of system software with its different classifications. 8

Unit II

4. (a) Write all types of graph/charts used in Excel. What is the procedure to insert a graph into Excel Worksheet ? 8
- (b) Difference between custom animation and slide transition. 8
5. (a) Explain the difference between relative and absolute referencing. 8
- (b) What is Mail-Merging ? How is it significant ? 8

Unit III

6. (a) What is the role of Operating System of a Computer ? Define the term "Kernel" of an operating system. 8
- (b) Explain the characteristics of multiprocessor operating system. 8
7. (a) Describe the evolution of operating system with examples. 8

- (b) What is Real Time Operating System ?
Give any *two* examples of a real time operating system. What are the most important issues in the design of a real time operating system ? 8

Unit IV

8. (a) What is URL ? Why is it needed ? Explain various parts of a URL with the help of an example. How is URL translated to physical address of the resource ? Explain with the help of an example. 8
- (b) How do you define the term network Topology ? Explain different kinds of topologies in detail. 8
9. (a) Explain HTTP in detail. List five security measures one should take while browsing. 8
- (b) Describe the various Internet Applications with a suitable example. 8