

This question paper contains 4 printed pages]

30/11/19 E

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S. No. of Question Paper : 7256

Unique Paper Code : 62345501

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Name of the Paper : IT Fundamentals

Name of the Course : B.A. (Prog.) : Computer Application :
G. E.

Semester : V

Duration : 3 Hours

Maximum Marks : 75

(Write your Roll No. on the top immediately on receipt of this question paper.)

Question No. 1 is compulsory.

Answer any five questions from the section B.

Section A

1. (a) Differentiate between guided and unguided transmission media. 4
- (b) What are registers in a CPU ? Name any two registers. 3
- (c) Differentiate between RAM and ROM. 3

P.T.O.

- (d) Name any *four* pointing devices used to communicate with a computer system. 2
- (e) Explain different types of data transmission modes with a suitable example. 3
- (f) Define the following terms :
Web page, home page and website 3
- (g) What do you mean by time sharing operating system ? 2
- (h) Differentiate between peer-to-peer and client server network. 3
- (i) What do you understand by a primary key in a database management system ? Explain with the help of an example. 2

Section B

2. (a) What do you mean by the cache memory ? Explain different levels of cache memory. 4
- (b) Explain the various units of a Central Processing Unit. 6

- (a) Differentiate between impact and non-impact printers with the help of *one* example each. 5
- (b) What do you understand by URL ? Explain its structure. 5
4. (a) Describe how the different types of memories are organized in the hierarchy in a computer system. 5
- (b) Describe the basic organization of a computer system, and explain the functions of various units of a computer system. 5
5. (a) List and explain the different components of a database management system. 5
- (b) Describe any *five* benefits of database management system. 5
6. (a) Differentiate between :
(i) Download and upload
(ii) Online and offline 4
- (b) Describe any *three* applications of Internet. 6
7. (a) List and explain any *five* functions of an operating system. 5

(b) Write short notes on : 13

(i) Real-time operating system

(ii) Scanners 5

8. (a) What is data communication system ? Explain its components. 7

(b) List and explain the different types of browsers with the help of suitable example used in internet 3