

CES College of Arts and Commerce, Cuncolim- Goa

FYBA Semester End Examination

Title: Computer Fundamentals and Emerging Technologies

Date: 22/10/2019

Semester: I

Max. Marks: 60

Paper: GE CSG-101

Time: 10.00 a.m. to 12.00 noon

Subject: Computer Application

Duration: 2 hours

Instructions: 1. All questions are compulsory.

2. Answer sub-questions in Question 1 and 2 in not more than 50 words each.

3. Answer Question 3 to Question 6 in not more than 125 words each.

4. Figures to the right indicate maximum marks to the question/sub-question.

Q.1. Answer any five of the following:

(5X2 = 10)

- What is the binary equivalent of the decimal number $(33)_{10}$?
- Why is the base of a binary number system said to be 2 and that of a decimal number system 10?
- What is the decimal equivalent of the binary number $(1011)_2$?
- Discuss the use of animations in a PowerPoint presentation?
- When would you use spell check and references in Microsoft Word?
- Explain with a suitable example utility programs.

Q.2. Answer any five of the following:

(5X2 = 10)

- Explain any two disadvantages of cloud computing.
- Explain Infrastructure as a service (IaaS) model of cloud computing.
- Explain any two types of mobile computing hardware.
- Why are augmented reality applications becoming popular?
- Differentiate between HTTP and HTTPS protocol.
- What is domain name system protocol?

Q.3. A. Explain briefly relationships between hardware, system software and application software.

(5)

OR

Q.3. A. Explain input devices and output devices. And also differentiate between primary memory and secondary memory.

(5)

Q.3. B. Explain the basic functions/operations of a computer.

(5)

Q.4. A. Explain the role of Information Technology in education and media.

(5)

OR

Q.4. A. Explain the role of Information Technology in Health services and public sector. (5)

Q.4. B. Explain the feature of the Microsoft Word which you will use for the following: (5)

i) Creating multiple copies of the same letter addressed to different people by using the addresses stored in a list, database or spreadsheets.

ii) Automate the entry of Sr. No. in a Word table.

Q.5. A. Explain applications of Internet of Things (IoT) with respect to smart home and smart city. (5)

OR

Q.5. A. What is virtual reality? Explain any two applications of virtual reality. (5)

Q.5. B. What are the advantages of Mobile Computing? (5)

Q.6. A. Explain with the help of suitable examples the terms web client and web server. (5)

OR

Q.6. A. What are the advantages of using Google Scholar and E-library? (5)

Q.6. B. Explain static and dynamic IP addresses. (5)
