



**BRAINWARE UNIVERSITY**

**Term End Examination 2018 - 19**

**Programme – Bachelor of Arts (Honours) in Multimedia & Web / Bachelor of Science (Honours) in Hardware & Networking / Bachelor of Computer Applications**

**Course Name – Computer Fundamentals and PCs**

**Course Code – BCSE010601/BCA101/BHN101/BCAC101**

(Semester – 1)

**Time allotted: 3 Hours**

**Full Marks : 70**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

**Group –A**

(Multiple Choice Type Question)

10 x 1 = 10

1. *Choose the correct alternative from the following*

(i)

Which of the following is not one of PowerPoint view?

- a. Slide show view
- b. Slide View
- c. Presentation view
- d. Outline view

(ii) Operating System is a

- a. Language
- b. Program
- c. Application Software
- d. System Software

(iii) \_\_\_\_ key is used to view slide as PowerPoint show

- a. F2
- b. F3
- c. F5
- d. F6

(iv) The brain of the computer is

- a. Input unit
- b. ALU
- c. CPU
- d. RAM

- (v) Which program below provides user access to delete files?
- a. Internet Explorer
  - b. Windows Manager
  - c. Windows Explorer
  - d. Control Panel
- (vi) Which enables us to send the same letter to different persons
- a. Macros
  - b. Templates
  - c. Mail merge
  - d. None
- (vii) Properly arranged data is called \_\_\_\_\_
- a. Field
  - b. Words
  - c. Information
  - d. File
- (viii) The basic operations performed by a computer are \_\_\_\_\_
- a. Arithmetic operation
  - b. Logical operation
  - c. Storage and relative
  - d. All the above
- (ix) The two major types of computer chips are \_\_\_\_\_
- a. External memory chip
  - b. Primary memory chip
  - c. Microprocessor chip
  - d. Both b and c
- (x) Which layer model is followed in modern internet system
- a. OSI
  - b. TCP
  - c. IP
  - d. TCP/IP

### Group – B

(Short Answer Type Questions)

3 x 5 = 15

Answer any *three* from the following

2. Write down advantages of windows operating system over DOS. [5]
3. What is thread? State the difference between process and thread. [2+3]
4. (a) What is Super key? [2]  
(b) Write down the difference between primary key and candidate key.  
Explain with proper example. [3]
5. With the help of block diagram explain the basic organization of a Computer System. [5]
6. Convert the following numbers using number system conversion  
(a)  $(10111011)_2 = (?)_{10}$  [2]  
(b)  $(10001101010101010111001.01011)_2 = (?)_{16}$  [3]

**Group – C**

(Long Answer Type Questions)

3 x 15 = 45

Answer any *three* from the following

7. (a) Compare the five generations of computers on the basis of software and hardware technologies used. [10]
- (b) Define ‘registers’. List out the commonly found registers in CPU. [5]
8. (a) Convert  $(231)_{10}$  into binary, octal and hexadecimal number system. [3+3+3]
- (b) Divide 1010101 by 110 and find the quotient and Remainder. [6]
9. (a) Differentiate between System software and Application software with one example for each. [4]
- (b) What is Operating System? Explain functions of OS. [2+4]
- (c) It is required to print the page number at the bottom and a heading at the top-center of the page. Give the steps to achieve this. [5]
10. (a) Explain the different component of digital computer with a proper block diagram. [6]
- (b) What is computer Memory? [4]
- (c) Write down the difference between RAM and ROM. [5]
11. (a) What is process? What is difference between process and program? What is operating system? [2+2+2]
- (b) What is Software? Classify the software with proper example. [1+3]
- (c) Write down the different functions of operating System. [5]
- (a) What is process? What is difference between process and program? What is operating system? [2+2+2]

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