

A(1)1704

Roll No. 16BCA10154

Fund. of Comput.

B.C.A. (Part I) Examination, 2016
BCA-104: FUNDAMENTAL OF COMPUTERS
Paper - IV

Time allowed - Three Hours

Maximum Marks - 80

Note :-

1. Questions No. 1 is compulsory. Attempt any FOUR questions from the remaining questions.
2. All questions carry equal marks.

- Q.1. (a) What is system software ?
(b) What is joystick ?
(c) Differentiate between RAM and ROM.
(d) What is workstation & Pcs ?
(e) What do you mean by booting process ?
(f) Write down the full form of OMR and MICR.
(g) What is assemblers ?
(h) Differentiate between LAN and WAN.

- Q.2. (a) Define operating system. Explain the function of operating system.
(b) Write merits and demerits of machine language.

- Q.3. (a) Differentiate between Impact and Non-Impact printers with suitable examples.
(b) Explain Analog, Digital and Hybrid Computers.

Q.4. Write short notes on following :-

- (i) Reapeater
- (ii) Routers
- (iii) Modem
- (iv) HUB

- Q.5. (a) Explain Amplitude and Frequency modulation in detail.
(b) Explain working and characteristics of following devices.
(i) Bar Code Reader
(ii) Trackball
- Q.6. (a) What do you understand by FAT ? What are its functions ?
(b) What are DOS system files ? Explain.
- Q.7. (a) What is Virus ? Explain how we can detect and prevent viruses from our computer ?
(b) Write short notes on Ring and Star Topology.
- Q.8. Explain the following DOS Commands :-
(i) FORMAT
(ii) XCOPY
(iii) DIR
(iv) TYPE
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“प्रश्न-पत्र पर क्रमांक (रोल नम्बर) के अतिरिक्त कुछ भी न लिखें, अन्यथा इसे अनुचित साधनों का प्रयोग माना जायेगा तथा नियमों के अनुसार कार्यवाही की जायेगी।”

“Do not write anything on question-paper except Roll Number, otherwise it shall be deemed as an act of indulging in unfair means and action shall be taken as per rules.”

Roll No.

B.C.A. (I)
1704

Fund. of Comput.

B.C.A. (Part-I) Examination, 2017

Paper-IV

**BCA-104 : FUNDAMENTAL OF
COMPUTERS**

Time - Three Hours
Maximum Marks - 80

नोट :- (1) प्रश्न संख्या 1 अनिवार्य है। शेष प्रश्नों में से किन्हीं चार को हल कीजिए।

(2) सभी प्रश्नों के अंक समान हैं।

Note :- (1) Question No. 1 is compulsory. Attempt any FOUR questions from the remaining questions.

(2) All questions carry equal marks.

B.C.A./1704/1300

(1)

(Contd.)

I. Attempt all question (Compulsory) : $2 \times 8 = 16$

- a) How many types of Computer? (Given Name)
 - b) What is memory? How many types of it.
 - c) Write down the full form of ISDN and XGA?
 - d) Write any 8 names of storage devices.
 - e) Differentiate between multiprogramming and multiprocessing.
 - f) What is modulation?
 - g) Write any six external commands of DOS?
 - h) What is virus?
2. a) What is Computer? Explain limitation and characteristics of Computer along with types of PC's. 8
- b) What is operating system? Explain its function and types of it. 8
3. a) What do you mean by DBMS? Explain the characteristics and uses of it. 8
- b) How to detection and prevention a virus? Explain the types of it. 8

4. Write down the difference between : $4 \times 4 = 16$

- a) OMR and OCR
- b) Interlaced and Non-Interlaced
- c) Router and Repeater
- d) Coaxial and Fiber Optic

5. Short Notes on the following : $4 \times 4 = 16$

- a) Dot pitch
- b) Zip Drive
- c) PM
- d) Router

6. a) What do you mean by data storage? Explain the method for retrieval data. 8

b) What do you mean by Communication Channels? Explain any two Communication channels. 8

7. a) What is Network? Explain any four components of LAN. 8

b) What is Monitor? Explain the characteristics and types of monitor. 8

8. Explain the following DOS Commands : 4×4

- a) DATE
- b) X COPY
- c) TYPE
- d) FORMAT