

Seat No. : _____

MI-106

March-2021

BCA, Sem.-I

CC-101 : Introduction to Computers and Emerging Technologies

Time : 2 Hours]

[Max. Marks : 50

- Instructions :** (1) All questions in **Section – I** carry equal marks.
(2) Attempt any **TWO** questions in **Section – I**.
(3) Question – **V** in **Section – II** is **COMPULSORY**.

SECTION – I

1. (a) List and explain types of mobile devices. Explain the characteristics of Smartphone. 10
(b) Write a note on Operating System. List popular OS for mobiles and computers. 10

2. (a) Explain the role of Control Unit and ALU in performing computer operations. 10
(b) Describe the purpose of an Adapter Card and the role of an Expansion Slot. List the types of adapter cards. 10

3. (a) Write a note on following Mouse and Touchpad. 10
(b) Explain RFID and MICR technology. 10

4. (a) Convert the following : 10
(1) $(1051.465)_{10} = (?)_{16}$
(2) $(427)_8 = (?)_{10}$
(b) Convert the following : 10
(1) $(2A7.B)_{16} = (?)_8$
(2) $(1010.1)_2 = (?)_{16}$

SECTION – II

5. MCQs (Any 5 × 2 marks each)

10

- (1) Which of the following entails having the knowledge and understanding of computers, mobile devices, the Internet, and related technologies ?
 - (a) Digital Literacy
 - (b) linguistic Literacy
 - (c) Visual Literacy
 - (d) Spatial Literacy
- (2) Which of the following is a personal computer that users can carry from place to place ?
 - (a) Integrated Computer
 - (b) Desktop Computer
 - (c) Mobile Computer
 - (d) All-in one Computer
- (3) Which of the following conveys meaning and is useful to users ?
 - (a) Data
 - (b) Information
 - (c) Input
 - (d) Output
- (4) Which of the following terms includes speakers, webcams, and printers as examples ?
 - (a) Peripherals
 - (b) Integrated systems
 - (c) Ports
 - (d) Embedded computers
- (5) Which of the following is a type of nonvolatile memory that can be erased electronically and rewritten ?
 - (a) Flash memory
 - (b) L1 cache
 - (c) firmware
 - (d) microcode
- (6) The processor relies on which of the following to control the timing of all computer operation ?
 - (a) system clock
 - (b) master clock
 - (c) unit clock
 - (d) control clock
- (7) Which of the following kinds of keyboard has a design that reduces the chance of wrist and injuries ?
 - (a) basal
 - (b) enhanced
 - (c) strength-building
 - (d) ergonomic
- (8) Which of the following is a touch-sensitive display device that users interact with by touching screen with a finger or a stylus ?
 - (a) trackpad
 - (b) touch screen
 - (c) touchpad
 - (d) stylus
- (9) Which of the following is the full form of BCD ?
 - (a) Binary Coder Decimal
 - (b) Binary Coded Decimal
 - (c) Behind Coded Decimal
 - (d) Binary Count Decimal
- (10) What kind of disc is a type of storage media that consists of a flat, round, portable disc made metal, plastic, and lacquer that is written to and read by a laser ?
 - (a) magnetic
 - (b) solid-state
 - (c) laser-ready
 - (d) optical