

MARCH 2022
EBS 109/EBS 109J
FUNDAMENTALS OF IT IN EDUCATION
30 MINUTES

Candidate's Index Number:
Signature:

UNIVERSITY OF CAPE COAST
COLLEGE OF EDUCATION STUDIES
SCHOOL OF EDUCATIONAL DEVELOPMENT AND OUTREACH
INSTITUTE OF EDUCATION

COLLEGES OF EDUCATION
FOUR-YEAR BACHELOR OF EDUCATION (B.ED)
FIRST YEAR, FIRST SEMESTER MID-SEMESTER QUIZ, MARCH 2022

MARCH 17, 2022 FUNDAMENTALS OF IT IN EDUCATION 12:00 PM – 12:30 PM

Answer ALL the questions.
[20 MARKS]

For items 1 to 20, each stem is followed by four options lettered A to D. Read each item carefully and circle the letter of the correct or best option.

1. A set of values that represents quantity describes
A. non-positional system.
B. number system.
C. positional system.
D. value system.

2. A system consisting of a finite number of symbols/digits used to represent large numbers refers to system.
A. decimal number
B. hexadecimal number
C. non-positional number
D. positional number

3. The following are determinants of value in positional number system **except**
A. digit.
B. place.
C. position.
D. radix.

4. The largest number/digit in hexadecimal number system is
A. C
B. D
C. E
D. F

5. In the octal number system, the point used to separate the integer and the fraction part of a number is called
 - A. binary point.
 - B. decimal point.
 - C. hexadecimal point.
 - D. octal point.

6. If $7 = 0111$ and $2 = 0010$, the BCD value of 72 would be
 - A. 1000
 - B. 0120
 - C. 01110010
 - D. 00100011

7. The coding scheme that makes use of 32 bits to represent a symbol in a data is called
 - A. ASCII
 - B. BCD
 - C. EBCDIC
 - D. Unicode

8. In converting a decimal integer into octal number system, the value is
 - A. divided by 8
 - B. divided by 10
 - C. multiplied by 8
 - D. multiplied by 10

9. The simple language or picture drawings associated with pre-mechanical era is called
 - A. aesthetic.
 - B. petroglyphs.
 - C. petroleum.
 - D. pictorial.

10. The era in which the slide rule (an analog computer) was invented is called era.
 - A. digital.
 - B. mechanical.
 - C. pre-mechanical.
 - D. primitive.

11. The generation that replaced vacuum tube with transistors is referred to as
 - A. 2nd
 - B. 3rd
 - C. 4th
 - D. 5th

12. The following characterized the 3rd generation of computers **except**
 - A. integrated circuits.
 - B. metal oxide semiconductors.
 - C. operating system.
 - D. transistors.

13. The first commercial computer delivered to the US Census Bureau in 1951 is called
- A. ENIAC
 - B. PC
 - C. SUPERCOMPUTER
 - D. UNIVAC
14. The use of computers in the effective transmission of data, instructions and information describes computer as devices.
- A. Communication
 - B. Conversion
 - C. Transmission
 - D. Storage
15. One programming language available during the 2nd generation of computers is
- A. C++
 - B. COBOL
 - C. SQL
 - D. VB
16. Communication between a computer and a keyboard involves transmission.
- A. Automatic
 - B. Full-duplex
 - C. Half-duplex
 - D. Simplex
17. Two devices are in network if
- A. a process in one device is able to exchange information with a process in another device.
 - B. a process is active and another is inactive.
 - C. a process is running on both devices.
 - D. PIDs of the processes running on different devices are same.
18. Bluetooth is an example of network.
- A. local area
 - B. personal area
 - C. virtual private
 - D. wide area
19. Which of the following transmission directions listed is **not** a legitimate channel?
- A. Double Duplex.
 - B. Full Duplex.
 - C. Half Duplex.
 - D. Simplex.
20. The term HTTP stands for?
- A. Hyper terminal tracing program.
 - B. Hypertext tracing protocol.
 - C. Hypertext transfer program.
 - D. Hypertext transfer protocol.

