


JANUARY 2020
EBS 109
FUNDAMENTALS OF IT EDUCATION
30 MINUTES

Group A

| |
|---|
| Candidate's Index Number: ABCE/PRI/19/0061 |
| Signature:  |

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

28
40

COLLEGES OF EDUCATION
FOUR-YEAR BACHELOR OF EDUCATION (B.ED)
FIRST YEAR, FIRST SEMESTER MID SEMESTER QUIZ, JANUARY 2020

JANUARY 23, 2020 FUNDAMENTALS OF IT EDUCATION 12:00 PM – 12:30 PM

Answer ALL questions.

For items 1 to 21, 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. The acronym EBCDIC stands for Extended Binary Coded
A. Decimal Interchange Case.
 B. Decimal Interchange Code.
C. Decoder Interchange Code.
D. Dynamic Interchange Case.
2. Which of the following is **not** a valid computer number system conversion?
A. Decimal to non-decimal.
B. Non-decimal to decimal.
C. Octal to hexadecimal.
 D. Roman to decimal.
3. The largest digit in the hexadecimal number system is
A. A.
 B. F.
C. 9.
D. 16.
4. The decimal equivalence of the binary digit 00101 is
 A. 5.
B. 10.
C. 11.
D. 20.

2/2
2/2
1 0
2 0 1
00101

5. The collective name for a group of 16 bits is called
- A. bite.
 - B. byte.
 - C. nibble.
 - D. word.
6. The pre-mechanical era of technology in teaching and learning were marked by all of the following **except**
- A. documents were limited to the wealthy in society.
 - B. producing documents with electronic equipment.
 - C. products were mainly legal proclamations and religious documents.
 - D. use of quill and ink and paper.
7. The generation of learners who have grown up surrounded by new technologies and have rapidly integrated this technology into their lives and day-to-day activities is referred to as
- A. computer literate.
 - B. digital natives.
 - C. digital savvy.
 - D. information literate.
8. One limitation of using ICTs in the classroom is
- A. creating greater enthusiasm for learning amongst students.
 - B. over-reliance on ICT limits students critical thinking and analytical skills.
 - C. preparing learners for the real world.
 - D. providing teachers with new sources of information and knowledge.
9. Which phase of technology use in education is characterised by widespread access to the Internet and growth of web-based information?
- A. Phase one.
 - B. Phase two.
 - C. Phase three.
 - D. Phase four.
10. The electronic and mechanical equipment that make up a computer constitutes the.....
- A. data.
 - B. hardware.
 - C. software.
 - D. storage.
11. Which of the following are valid top level domain?
- A. .com, .net, .bmk
 - B. .gov, .org, .net
 - C. .mil, .com, .ipv
 - D. .www, .edu, .com
12. Which of the following is **TRUE** about the World Wide Web?
- A. A database of every document stored on computers worldwide.
 - B. A set of electronic documents that represents the worldwide Internet connections.
 - C. A worldwide collection of electronic documents.
 - D. The wiring and cabling used to connect computers on the Internet.

13. Computers transmit bits of.....data.
A. analog
B. cladding
C. core
 D. digital
14. Transmission lines are classified according to line speed called.....
 A. bandwidth.
B. full-duplex.
C. half-duplex.
D. simplex.
15. In which one of the following networks does the central computer communicates with various terminals on point-to-point lines?
 A. Bus.
B. Half-duplex.
C. Simplex.
 D. Star.
16. Which one of the following devices is a communications hardware?
 A. Modems.
B. Monitors.
C. Ports.
D. Slide rules.
17. To navigate a new web page, you type website address in the browser's
 A. address bar.
B. address button.
C. domain bar.
D. name button.
18. A popular software program used to manage educational mailing lists is
A. bookmark
B. favorites
 C. listserv
D. newsgroup
19. A file can contain all of the following **except**
A. audio.
 B. folder.
C. text.
D. video.
20. Which of the following best describes a command in information technology?
A. A small symbol displayed on the screen.
 B. An instruction that causes a program to perform a specific action.
C. An on-screen work area that has a graphical user interface.
D. Software that assists users with controlling or maintaining the operation of a computer.

21. Which of the following are common editing tasks?

- I. Deleting,
 - II. Font style
 - III. Inserting,
 - IV. Pasting
- A. I and III only.
B. I, II and IV only.
C. I, II, III, and IV.
D. I, III and IV only.

Items 22 to 31 consist of incomplete statements with blank spaces. Fill in the blank spaces with the appropriate responses.

22. A graphical element that you activate to cause a specific action to occur is called icon

23. A predefined formula used to perform calculations in a spreadsheet is termed function

24. On a graphical user interface the list of commands from which you make selections is called menu

25. Second generation computers used transistor as the main processing unit.

26. The hexadecimal number system is also called the base 16

27. The name assigned to a specific design of characters is referred to as font

28. The rectangular area of the screen that displays data and information is known as window

29. The smallest unit of information that can be stored on a memory is bit byte

30. The two major makes of personal computers on the market are the Mac PCs and IBM

31. ASCII stands for American Standard Code for Information Interchange

GROUP A

For Items 32 to 40 consist of incomplete statements followed by T (True) and F (False). Indicate whether each statement is True or False by circling the appropriate option.

| | | | |
|-----|---|------------------------------------|------------------------------------|
| 32. | 1000 bits is equivalent to a kilobyte. | <input checked="" type="radio"/> T | <input type="radio"/> F |
| 33. | Data and information can be used interchangeably | <input type="radio"/> T | <input checked="" type="radio"/> F |
| 34. | Database software application allows users to create visual aids for presentations to communicate ideas to larger audience. | <input checked="" type="radio"/> T | <input type="radio"/> F |
| 35. | Recalculation is a powerful feature of spreadsheet software. | <input type="radio"/> T | <input checked="" type="radio"/> F |
| 36. | The pre mechanical era was mostly marked by reliance on face-to-face communication. | <input type="radio"/> T | <input checked="" type="radio"/> F |
| 37. | The microcomputer is smaller but faster than a mainframe computer. | <input type="radio"/> T | <input checked="" type="radio"/> F |
| 38. | To use system software, your computer must be running application software. | <input type="radio"/> T | <input checked="" type="radio"/> F |
| 39. | Utility program is a type of system software. | <input type="radio"/> T | <input checked="" type="radio"/> F |
| 40. | When a program is started, its instructions load from memory into a storage medium. | <input type="radio"/> T | <input checked="" type="radio"/> F |