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, END-OF-FIRST SEMESTER EXAMINATION, FEBRUARY 2020

FEBRUARY 11, 2020   FUNDAMENTALS OF IT EDUCATION   9:00 AM – 9:40 AM

This paper consists of two sections, A and B. Answer all the questions in Section A and THREE questions from Section B. Section A will be collected after the **first 40 minutes.**

For items 1 – 10, write TRUE or FALSE in response to the statements under the STATEMENT column in the ANSWER column

	STATEMENT	ANSWER
1.	When evaluating educational software, content is the **most** important area to consider.	
2.	Web is **not** one of the sources of information one can identify and evaluate the appropriateness of educational technologies.	
3.	The process of writing on an optical disc is called ripping.	
4.	Authentic assessment aims at presenting students with tasks that mirror the objectives and challenges typical of their instructional activities.	
5.	Successful technology integration requires evaluation at all phases of instruction.	
6.	Technology literacy and information literacy can be used interchangeably.	
7.	Trojan horse typically resides in a larger, innocent computer program.	
8.	Portfolio assessment is **not** a tool to assess learning outcomes.	
9.	When evaluating the content of a software application, always relate the content to your school and instructional outcomes.	
10	Teachers should continue to evaluate the technology while it is being used and after the instruction.	

For items 11 to 20, write the appropriate responses in the spaces provided.

11. How well the software presents itself and how well it works refers to ....

12. Anything that makes the software easy to use refers to user-friendliness, or ....

13. What consists of characters that are used to create words, sentences, and paragraphs and is a fundamental element used in all multimedia and digital media applications ....

14. Displaying a series of still graphics played back at the proper framing rate creates an ....

15. A digital representation of non-text information, such as a drawing, chart, or photograph refers to ....

16. Any printed or online information that provides assistance in installing, using, maintaining, and updating a software is termed as ....

17. The process of determining or interpreting the intent or purpose of a Web page and if it is free of bias, such as advertising is referred to as ....

18. Secret code that allows you access to a computer system or program is ....

19. The technique used to protect computers and its equipment against accidental or intentional harm is ....

20. The use of the internet to perform illegal acts is termed as ....

For items 21 to 40, 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.

21. Which of these factor(s) is/are to be considered when acquiring hardware for educational purpose?
   I.   Software
   II. Instructional method
   III. Ability level of learners

   A. I and II
   B. II only
   C. II and III only
   D. I, II and III

22. Which of the following viruses are likely to infect boot sectors?
   A. Macro viruses.
   B. Multi-partite viruses.
   C. Trojan horses.
   D. Worms.

23. Which of these viruses are notoriously known to duplicate themselves?
   A. Macro viruses.
   B. Multi-partite viruses.
   C. Trojan.
   D. Worms.

24. All the following are benefits of blended instructional **except** ....
   A. giving teachers the ability to assess students promptly.
   B. providing flexibility in the scheduling for students and teachers.
   C. reducing gains in learning outcome and retention of students.
   D. providing quick feedback and individualized instruction based on the assessments.

25. The introduction of the .... marked the start of the third generation of computers.
   A. integrated circuit
   B. minicomputer
   C. transistor
   D. vacuum tube

26. Which of the following is/are **not** used to transmit wireless data signals?
   I.   WLAN
   II.   Transponder
   III. Bluetooth USB port
   A. II only
   B. I, II and III
   C. I and II only
   D. III only

27. Which of the following is/are **not** (a) communication device(s)?
   I.   Server
   II.   Router
   III. Gateway

   A. II only
   B. I, II and III
   C. I and II only
   D. III only

28. A collection of data designed to be used by different people is called a/an ....
   A. Database.
   B. Organization.
   C. Relationship.
   D. Schema.

29. The raw facts and figures are ....
   A. Data.
   B. Information.
   C. Reports.
   D. Snapshot.

30. The CPU machine cycle includes all the following **except** ....
    A. Decode.
    B. Encode.
    C. Fetch.
    D. Store.

31. An unauthorized user is a network .... issue.
    A. access
    B. performance
    C. reliability
    D. security

32. Communication between a computer and a keyboard involves .... transmission.
    A. automatic
    B. full-duplex
    C. half-duplex
    D. simplex

33. The physical or logical arrangement of a network is referred to as ....
    A. connection.
    B. data flow.
    C. mode of operation.
    D. topology.

34. Multimedia software must contain which of the following characteristics?
    A. Drawing tools, clipart, and sound.
    B. Text, graphics, animation, video, and sound.
    C. Text, pictures, and sound.
    D. Videos.

35. Your multimedia presentation contains copyrighted material. Before it can be published you should ....
    A. ask your teacher for permission to use the copyrighted material.
    B. cite the copyrighted source on each page of the presentation.
    C. do nothing.
    D. request permission to use it from the creators of the material.

36. Programs that allow you to legally copy files and give them away at no cost are called ....
    A. malware.
    B. public domain.
    C. shareware.
    D. time sharing.

37. You have a great picture of your pet that you would like to e-mail to your pen pal. One way to put the picture into the computer is to .... it.
    A. drop
    B. print
    C. save
    D. scan

38. Every Web page has a unique address called ....
    A. hyperlink.
    B. links.
    C. navigational tool.
    D. uniform resource locator.

39. What is an application which allows you to view html files on the web?
    A. Browser.
    B. Database.
    C. Spreadsheet.
    D. Word processor.

40. Models of a real-life situation are produced by .... software.
    A. application
    B. educational
    C. simulation
    D. utility