
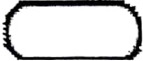

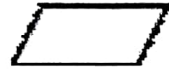


47. Which of the following symbols can be used to concatenate in a spreadsheet application?
- A. & and ?
  - B. + and ^
  - C. , and -
  - D. + and &
48. Which of the following data types would be appropriate to use to store the name of a customer in a database?
- A. DATE
  - B. MEMO
  - C. NUMBER
  - D. TEXT
49. The maximum length of a text field in a database is
- A. 75.
  - B. 120.
  - C. 255.
  - D. 265.
50. A multimedia program is made up of
- A. text and audio.
  - B. images and text.
  - C. combination of text and images on a television.
  - D. integration of images, text and sound using computer technology.

***END OF PAPER***

38. The expansion slot used to hold high-speed 3D graphics video cards is the
- A. AGP.
  - B. ISA.
  - C. PCI.
  - D. USB.
39. Which of the following is **not** a font style?
- A. Bold
  - B. Italic
  - C. Regular
  - D. Superscript
40. A user who wants **three** cells in a row to be merged into one will use the attribute and value
- A. rowspan = "3".
  - B. rowspan = "2".
  - C. colspan = "3".
  - D. colspan = "2".
41. The HTML tag `<td valign = "top">` means the content of the
- A. cell is aligned to the top of the cell border.
  - B. cell is aligned to the top of the row border.
  - C. row is aligned to the top of the row border.
  - D. table is aligned to the top of the table border.
42. The tag to use to show a paragraph in an html page is
- A. `<p>...</p>`.
  - B. `</p>...</p>`.
  - C. `<p>...<p>`.
  - D. `<p/>...<p>`.
43. To create a cell in an html table, use the tag
- A. `<body>...</body>`.
  - B. `<td>...</td>`.
  - C. `<th>...</th>`.
  - D. `<tr>...</tr>`.
44. A physical star topology consists of several workstations connected to a central device called
- A. bridge.
  - B. hub.
  - C. modem.
  - D. repeater.
45. To ensure that access to a network is secure, the network
- A. only requires a user name for access.
  - B. provides anti-virus protection.
  - C. requires a user name and password for access.
  - D. requires the user to pay a fee to gain access.
46. The practice of enveloping one protocol inside the header of another is called
- A. sealing.
  - B. emulation.
  - C. translation.
  - D. encapsulation.

29. The decimal equivalent of  $1010_2$  is
- A. 10.
  - B. 11.
  - C. 15.
  - D. 20.
30. Inputs to a computer program are derived from
- A. code design.
  - B. algorithm design.
  - C. requirements analysis.
  - D. flowchart design.
31. Which of the following is prepared at the system design stage of the system development life cycle?
- A. System report
  - B. System specification
  - C. Training manual
  - D. Workflow chart
32. An advantage of desktop publishing over word processing is the
- A. better integration with databases.
  - B. ability to import images in the desktop.
  - C. ability to use variety of font types.
  - D. ability to produce high quality graphics and page layouts.
33. Which of the following is a text function in a spreadsheet application?
- A. COUNT()
  - B. DMAX()
  - C. ROUND()
  - D. UPPER()
34. Spreadsheet applications are designed to
- A. create QBASIC programs for display.
  - B. generate slides for presentation.
  - C. store, edit and format graphics and other images.
  - D. enter and store data organised in rows and columns.
35. A device used within the computer that conducts and draws heat away from the processor is known as
- A. radiator.
  - B. thermostat.
  - C. heat sink.
  - D. air conditioner.
36. Which of the following parts of a computer performs calculations?
- A. Cache
  - B. Hard Disk
  - C. Random Access Memory
  - D. Central Processing Unit
37. Two ways to configure an interrupt for a device on the motherboard is through the use of
- A. Jumpers or Quads.
  - B. Quads or DIP switches.
  - C. Jumpers or DIP switches.
  - D. Pin Grid or Jumpers.

22. The **main** factor to be considered when selecting an application software is the
- capabilities of the software.
  - capabilities of the user.
  - ease of use of the software.
  - price of the software.
23. Keywords used in pseudocode programming include:
- DO UNTIL
  - SELECT
  - END IF
  - IF
- I, II and III only
  - I, III and IV only
  - II, III and IV only
  - I, II, III and V
24. The symbol used to represent an execution flow in a flowchart is
- 
  - 
  - 
  - 
25. Computer networking can achieve all the following **except**
- reduce cost.
  - increase efficiency.
  - centralize administration and support.
  - increase the number of computers in the organisation.
26. Logical topology describes how computer networks
- messages travel.
  - cables are run.
  - resources are arranged.
  - run faster or slower.
27. Which of the following controls **cannot** be bound to a field?
- List box
  - Text box
  - Image control
  - Label control
28. Which of the following creates a drop-down list of values in a database programming environment?
- Hyperlink
  - Lookup Wizard
  - Macros
  - Memo

14. Which of the following computer application programs is a text editor?
- A. Notepad
  - B. PageMaker
  - C. QBASIC
  - D. Spreadsheet
15. Computer based training refers to a
- A. video game.
  - B. method of training a computer to reject viruses.
  - C. method of training the computer to perform routine tasks.
  - D. method of education that allows people to learn at their own pace using a software.
16. Three column grids are mainly used in publications such as
- I. Letters
  - II. Manuals
  - III. Newspapers
- A. I only
  - B. II only
  - C. III only
  - D. I, II and III
17. Which of the following symbols is required when inserting a formula/function in a spreadsheet application?
- A. //
  - B. #
  - C. \*
  - D. =
18. Which of the following determines the number of colours that can appear on a display screen?
- A. Gas plasma
  - B. Liquid crystal
  - C. Bit-mapped capability
  - D. Video display adapter
19. Which of the following printers uses a combination of waxes and heat to form images?
- A. Dot matrix
  - B. Laser
  - C. InkJet
  - D. Thermal
20. The following connector types are typically associated with computer mouse **except**
- A. bus interface.
  - B. parallel connector.
  - C. personal system/2 connector.
  - D. serial connector.
21. Modern operating systems (OS) on stand-alone computers are
- A. multi-user, multi-programming OS.
  - B. multi-user, single programming OS.
  - C. single-user, single programming OS.
  - D. single-user, multi-tasking OS.

6. The frequency with which the processor executes instructions is known as
- clock frequency.
  - clock rate.
  - clock speed.
  - processor rate.
7. Which of the following is **not** an example of system software?
- BASIC
  - LINUX
  - OS/2 WARP
  - UNIX
8. The rules of a programming language is called
- documentation.
  - iteration.
  - pseudocode.
  - syntax.
9. The element required to send a completed form online to the server for processing is
- Complete.
  - Done.
  - Ok.
  - Submit.
10. Which of the following offers the longest possible segment length?
- Coaxial cabling
  - Fibre-optic cabling
  - Shielded Twisted Pair cabling
  - Unshielded Twisted Pair cabling
11. The SQL statement used to read data from a table is
- GET.
  - QUERY.
  - READ.
  - SELECT.
12. Multimedia help students because:
- It replaces direct textbook reading.
  - It allows students to control their learning.
  - It enhances the teacher's lessons.
- I and II only
  - I and III only
  - II and III only
  - I, II and III
13. Which of the following statements is a difference between *data* and *information*?
- Data is numeric while information is text.
  - Data is raw facts while information is processed facts.
  - Information is raw facts while data is processed facts.
  - Data is electronic while information is non-electronic.



Each question is followed by four options lettered A to D. Find the correct option for each question and shade in pencil on your answer sheet, the answer space which bears the same letter as the option you have chosen.

Give only one answer to each question. An example is given below.

Which of the following is used to speed up data retrieval in database?

- A. Data file
- B. Key field
- C. Offline storage
- D. Program file

The correct answer is Key field, which is lettered B, and therefore answer space B would be shaded.

Think carefully before you shade the answer spaces; erase completely any answers you wish to change.     A  B     C     D     E

Do all rough work on this question paper.

Now answer the following questions.

1. The acronym EBCDIC refers to
  - A. External Bit Code Decimal Internal Code.
  - B. Extra Byte Coding Decimal Interchange Code.
  - C. Extreme Binary Code Decimal Interchange Code.
  - D. Extended Binary Coded Decimal Interchange Code.
  
2. A collection of computers used by business organisations to interact with allies across the world through telecommunication links is known as
  - A. extranet.
  - B. intranet.
  - C. internet.
  - D. web.
  
3. Which of the following tools is used by engineering designers?
  - A. Computer Assisted Learning
  - B. Computer Assisted Manufacturing
  - C. Computer Aided Design
  - D. Computer Based Testing
  
4. Which of the following is a desktop publishing application program?
  - A. Access
  - B. PageMaker
  - C. Word Perfect
  - D. Writer
  
5. A cell formatted to have an accounting style shows negative numbers in
  - A. bold.
  - B. brackets.
  - C. double quotes.
  - D. parenthesis.

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INFORMATION  
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TECHNOLOGY (ELECTIVE) 2&1  
Essay & Objective  
2 hours

Name.....

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**INFORMATION AND COMMUNICATION  
TECHNOLOGY (ELECTIVE) 2&1**

2 hours

*Do not open this booklet until you are told to do so. While you are waiting, read and observe the following instructions carefully. Write your name and index number in ink in the spaces provided above.*

*This paper consists of two papers. Answer Paper 2 which comes first in your answer booklet and Paper 1 on your Objective Test answer sheet. Paper 2 will last 1 hour after which the answer booklet will be collected. Do not start Paper 1 until you are told to do so. Paper 1 will last 1 hour.*