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GUIDE

GRADE 11

INFORMATION TECHNOLOGY

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A. Paper structure for the olympiad

Multiple Choice questions.

B. How it aligns with the curriculum?

CAPS topics including:

- Solution Development
- Communication Technologies
- System Technologies
- Internet Technologies
- Data and Information Management
- Social Implications

C. How it goes beyond?

The olympiad includes some general knowledge questions based on information technology, trends, and general programming skills.

D. Sample questions

1. Multiple Choice Questions

1. Which type of memory is volatile?
   - A ROM
   - B Flash
   - C RAM
   - D BIOS (1)

2. What is the purpose of cache memory?
   - A Store data permanently
   - B Temporarily store frequently accessed data for quick retrieval
   - C Back up critical files
   - D Control the flow of data between components (1)

3. What is the role of virtual memory?
   - A Increase physical memory capacity
   - B Temporarily extend RAM by using a portion of the hard drive
   - C Store backup data
   - D Improve CPU performance (1)

4. What is the main difference between LAN and WAN?
   - A LAN covers a larger area
   - B WAN is limited to a small geographical area
   - C LAN is typically faster and more secure
   - D WAN is for personal use only (1)

5. What is an array in programming?
   - A A single data element
   - B A collection of elements of the same type
   - C A function with multiple return values
   - D A variable that stores text (1)