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GUIDE

GRADE 12

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.

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D. Sample questions

1. Multiple Choice Questions

1. Which of the following is an example of data collected through forms?
   - A Cookies
   - B Credit card transactions
   - C Registration and application details
   - D RFID tags (1)

2. What is data warehousing?
   - A A method of encrypting data
   - B A system for storing and managing large volumes of data
   - C A process of data collection
   - D A technique for securing data (1)

3. Which is an example of data mining in practice?
   - A Facebook recommending friends
   - B Registering for an online course
   - C Filling out a job application
   - D Encrypting email communications (1)

4. What factor directly influences the performance of a GPU?
   - A Storage capacity
   - B Type and speed of the GPU
   - C Network speed
   - D Software installed (1)

5. What does the 'toString' method do in OOP?
   - A Converts an object to a string representation
   - B Encrypts an object
   - C Deletes an object
   - D Creates a new object (1)