

**CHINIOT ISLAMIA PUBLIC SCHOOL AND COLLEGE**

**1ST QUARTERLY TEST**

**Chiniot Islamia Public School First Quartely Test - Computer Science VIII P1**

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| <b>Name:</b><br>_____ | <b>Section:</b><br>_____ | <b>Roll No:</b><br>_____ |
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**Duration: 2 Hours**

**Total Marks: 100**

Q1 .

1. You offer online tutoring. How will you ensure quality of instruction?

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2. What is holographic imaging, and how is it different from traditional imaging?

[3] .....

3. Discuss the ethical implications of cyberbullying. What responsibilities do digital citizens have to address or prevent it?

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4. What is meant by "appropriate behavior" while using the internet? Provide two examples.

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5. What is phishing, and how can people protect themselves against it?

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6. What is plagiarism, and why is it considered unethical in the digital world? Give an example.

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7. You're starting a home-based tutoring service. State your funding needs (if any).

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8. A person receives an email claiming they've won a prize and asks for their personal information to claim it. What type of cybercrime could this be?

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9. What is copyright, and why is it important in the digital world?

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10. How does Netflix use AI algorithms to analyze your viewing history and suggest new movies?  
[3] .....

11. Explain why using respectful language in online communication is an example of appropriate behavior.

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12. You're opening a small bakery specializing in cupcakes. Summarize your competitive advantage ( which means a condition or circumstance that puts a company in a favourable or superior business position.)

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13. How can virtual reality enable social interaction between users in a virtual environment? [3] .....
14. Why might virtual reality be beneficial for training simulations (e.g., for pilots or medical professionals)? .....
15. a) What is one advantage of using 3D imaging in medical diagnoses? [1] .....  
[3] .....
16. **Situation:** A popular social media platform uses a distributed application to manage user data. S .....

17. Explain the concept of cyberbullying and its impact on victims. How does it differ from traditional bullying?

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18. **Scenario 4: A Local Gym** 1) "FitLife Gym" has state-of-the-art equipment and offers personal training. What are its strengths? .....
- 2) The gym has limited parking and outdated locker rooms. What else could be a weakness? .....
- 3) The local population is becoming more health-conscious. How can the gym take advantage? .....
- 4) New budget gyms are opening in the area. What other threats exist? .....
19. You're offering a language learning app. What are three key benefits of your product?

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20. **Situation:** A hospital uses an AI-powered system to analyze patient data and predict outcomes? .....
21. **Situation:** A popular mobile game uses augmented reality to allow players to catch virtual Pokémon? .....
22. You're launching a subscription box for organic snacks. How will you promote it?

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23. A student posts rude comments about a classmate on a social media platform. Why is this an example of inappropriate behavior? What could be the consequences?

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24. You're launching a handmade jewelry business online. Who will be on your management team?

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25. **Scenario : A Tech Startup (Mobile App)** 1) "Innovate Inc." has developed a unique s? .....  
2) The app has limited marketing and brand recognition. What else could be a weakn s? .....  
3) The mobile app market is growing rapidly. How can "Innovate Inc." take advantag s? .....  
4) Larger tech companies could develop similar apps. What other threats exist? .....  
26. You're opening a children's bookstore. How will you promote your value proposition?

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27. Match the applications and characteristics of different technologies. [5] Column A (Descriptions) Column B (Technology/Concepts) A system that uses satellites to provide location and time information anywhere on Earth. **Cellular Communication** A short-range wireless technology used for connecting devices such as headphones and keyboards. **GPS** A wireless networking technology that allows devices to connect to the internet over a local area network. **Bluetooth** A communication method that allows mobile phones to connect to a network for voice and data services. **Wi-Fi** A specialized computer system that is part of a larger device and performs dedicated functions. **Embedded System**

28. a) What is 3D imaging, and how does it differ from 2D imaging?

[2] .....

b) Name two fields where 3D imaging is commonly used. [2] 1).....

2) .....

29. You run a food delivery service. How will you ensure food quality?

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