

বহুনির্বাচনি অধীক্ষা

কক্ষ ও যোগাযোগ প্রযুক্তি

[২০২৩ সালের নিবেদন অনুযায়ী]

সময়—২৫ মিনিট

পূর্ণমান—২৫

## ঢাকা বোর্ড

বিষয় কোড:

2 7 5

সেট :

৭

[বিশেষ প্রটোকল: সরবরাহকৃত বহুনির্বাচনি অধীক্ষার উত্তরপত্রে প্রস্তাবিত জমিক নম্বরের বিপরীতে প্রদত্ত বর্ণসম্বলিত কৃত্রিমমুহ হতে সঠিক/সর্বোৎকৃষ্ট উত্তরের ক্রমটি বলা পয়েন্ট কলাম দ্বারা সম্পূর্ণ করাটি কর। প্রতিটি প্রস্তাবিত মান ১।]

প্রস্তাবিত কোনও প্রকার দাঙ্গা/ভিত্ত দেয়া যাবে না।

১।  $(5A)_{16}$  এর পরের সংখ্যাটি কত?

- (ক)  $(6A)_{16}$   
☒ (খ)  $(5B)_{16}$   
 (গ)  $(91)_{16}$   
 (ঘ)  $(90)_{16}$

২। নেটিওয়ার্কিংয়ের উদ্দেশ্য হলো—

- I. ইনফরমেশন শেয়ার  
 II. সফটওয়্যার শেয়ার  
 III. হার্ডওয়্যার শেয়ার

নিচের কোনটি সঠিক?

- (ক) I ও II  
☒ (খ) I ও III  
 (গ) II ও III  
☒ (ঘ) I, II ও III

চিহ্নটি লক্ষ্য কর এবং ৩ ও ৪ নম্বর প্রশ্নের উত্তর দাও:



৩। 'Y' এর মান কোনটি?

- (ক)  $A + B$   
 (খ)  $\overline{A}B$   
☒ (গ)  $A + \overline{B}$   
 (ঘ)  $A \oplus B$

৪। উদ্দীপকের বর্ণনীর আউটপুট  $Y = 1$  পেতে হলে A ও B-এর ইনপুট কত নিতে হবে?

- ☒ (ক)  $A = 0$  ও  $B = 0$   
 (খ)  $A = 0$  ও  $B = 1$   
 (গ)  $A = 1$  ও  $B = 0$   
 (ঘ)  $A = 1$  ও  $B = 1$

৫। ব্লুটুথ এর ফ্রিকোয়েন্সি কত?

- (ক) 2-45KHz  
 (খ) 2-45MHz  
☒ (গ) 2-45GHz  
 (ঘ) 2-45THz

৬। টেলিফোনেশনের প্রয়োজকেত্র কোনটি?

- (ক) জায়েদসার্জরি  
 (খ) বায়োমেট্রিক  
☒ (গ) ভার্চুয়াল রিয়েলিটি  
 (ঘ) অটোবিশিয়াল ইন্টেলিজেন্স

উদ্দীপকটি পড় এবং ৭ ও ৮ নম্বর প্রশ্নের উত্তর দাও:

ক্রমে শিক্ত অতিক্রম করে তার বয়স জিজ্ঞেস করেন।  
 আতিক বলল, তার বয়স  $(10100)_2$ ।

৭। আতিকের বয়সের সমকক্ষ সংখ্যা হলো—

- (ক)  $(20)_8$   
☒ (খ)  $(24)_8$   
 (গ)  $(24)_{10}$   
 (ঘ)  $(24)_{16}$

৮। দশ বছর পর আতিকের বয়স হেক্সাডেসিমালে কত হবে?

- (ক)  $(1D)_{16}$   
☒ (খ)  $(1E)_{16}$   
 (গ)  $(1F)_{16}$   
 (ঘ)  $(2D)_{16}$

৯। ১০ টি কম্পিউটারকে মেশ নেটওয়ার্কিং এর আওতায় আনতে কয়টি তারের প্রয়োজন?

- (ক) 10  
☒ (খ) 45  
 (গ) 30  
 (ঘ) 90

১০। বায়োইনফরমেট্রিক ব্যবহৃত হয়—

- I. ডিএনএ অ্যানালাইসিস  
 II. জিন ফাইন্ডিং  
 III. মেসিন লার্নিং

নিচের কোনটি সঠিক?

- ☒ (ক) I ও II  
 (খ) I ও III  
 (গ) II ও III  
 (ঘ) I, II ও III

উদ্দীপকটি পড় এবং ১১ ও ১২ নম্বর প্রশ্নের উত্তর দাও:

করিম সাহেব তার প্রয়োজনে কম্পিউটারভিত্তিক একটি সেবা গ্রহণ করলেন, যা ২৪ ঘণ্টা খোলা থাকে। সকল সফটওয়্যার স্বয়ংক্রিয়ভাবে আপডেট হয়, খরচ কম এবং ব্যাকআপ কার্যশক্তি অনেক বেশি। তার কম্পিউটারটি বিভিন্ন সেবার কম্পিউটারের সাথে যুক্ত।

১১। উদ্দীপকের নেটওয়ার্ক কোনটি?

- (ক) LAN  
 (খ) MAN  
☒ (গ) WAN  
 (ঘ) PAN

১২। উদ্দীপকে উল্লিখিত সেবাটি হলো—

- I. রিসোর্স শেয়ারিং  
 II. অন-ডিম্যান্ড সেবা  
 III. পে-অ্যাক্স-ইউ-পে সেবা

নিচের কোনটি সঠিক?

- (ক) I ও II  
☒ (খ) I ও III  
 (গ) II ও III  
 (ঘ) I, II ও III

# Hsc Board Question Of Bangladesh 2013

**BM King**



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### **Table of Contents Hsc Board Question Of Bangladesh 2013**

1. Understanding the eBook Hsc Board Question Of Bangladesh 2013
  - The Rise of Digital Reading Hsc Board Question Of Bangladesh 2013
  - Advantages of eBooks Over Traditional Books
2. Identifying Hsc Board Question Of Bangladesh 2013
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Hsc Board Question Of Bangladesh 2013
  - User-Friendly Interface
4. Exploring eBook Recommendations from Hsc Board Question Of Bangladesh 2013
  - Personalized Recommendations
  - Hsc Board Question Of Bangladesh 2013 User Reviews and Ratings

- Hsc Board Question Of Bangladesh 2013 and Bestseller Lists
- 5. Accessing Hsc Board Question Of Bangladesh 2013 Free and Paid eBooks
  - Hsc Board Question Of Bangladesh 2013 Public Domain eBooks
  - Hsc Board Question Of Bangladesh 2013 eBook Subscription Services
  - Hsc Board Question Of Bangladesh 2013 Budget-Friendly Options
- 6. Navigating Hsc Board Question Of Bangladesh 2013 eBook Formats
  - ePub, PDF, MOBI, and More
  - Hsc Board Question Of Bangladesh 2013 Compatibility with Devices
  - Hsc Board Question Of Bangladesh 2013 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Hsc Board Question Of Bangladesh 2013
  - Highlighting and Note-Taking Hsc Board Question Of Bangladesh 2013
  - Interactive Elements Hsc Board Question Of Bangladesh 2013
- 8. Staying Engaged with Hsc Board Question Of Bangladesh 2013
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Hsc Board Question Of Bangladesh 2013
- 9. Balancing eBooks and Physical Books Hsc Board Question Of Bangladesh 2013
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Hsc Board Question Of Bangladesh 2013
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Hsc Board Question Of Bangladesh 2013
  - Setting Reading Goals Hsc Board Question Of Bangladesh 2013
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Hsc Board Question Of Bangladesh 2013
  - Fact-Checking eBook Content of Hsc Board Question Of Bangladesh 2013
  - Distinguishing Credible Sources

13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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