

ঢাকা বোর্ড

বহুনির্বাচনি অধীক্ষা
কমর ও যোগাযোগ প্রযুক্তি
[২০২০ সালের নিবেদন অনুযায়ী]
সময়—২৫ মিনিট
পূর্ণমান—২৫

বিষয় কোড:

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বিশেষ প্রতিবেদন: সরকারস্বত্বকৃত বহুনির্বাচনি অধীক্ষার উত্তরপত্রের প্রস্তুতের জরুরি সময়ের বিপরীতে প্রস্তুত করণশীলিত কৃত্রিমত্ব হতে সঠিক/সর্বোৎকৃষ্ট উত্তরের কৃতিত্ব বলা পরেই কলম দ্বারা সম্পূর্ণ করাটি কর। প্রতিটি প্রশ্নের মান ১।

প্রশ্নপত্রের কোনো প্রকার দাগ/চিহ্ন দেয়া যাবে না।

- ১। $(5A)_{16}$ এর পরের সংখ্যাটি কত?
(ক) $(6A)_{16}$
 (খ) $(5B)_{16}$
(গ) $(91)_{16}$
(ঘ) $(90)_{16}$

- ২। নেটওয়ার্কিংয়ের উদ্দেশ্য হলো—
I. ইনফরমেশন দেয়ার
II. সফটওয়্যার দেয়ার
III. হার্ডওয়্যার দেয়ার
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 বর্তনীর 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। টেলিফোনের প্রয়োজকেত কোনটি?
(ক) ক্যাডেন্সেন্সি
(খ) বায়োমেট্রিক
 (গ) কার্বোন ডিয়েলিট
(ঘ) অডিওসিগন্যাল ইন্টেলিজেন্ট

উদ্দীপকটি পড় এবং ৭ ও ৮ নম্বর প্রশ্নের উত্তর দাও:
ক্রমে শিকত অতিক্রম করে তার বয়স জিজ্ঞেস করেন।
অতিক্রম বলা, তার বয়স $(10100)_2$ ।

- ৭। অতিক্রমের বয়সের সমকক্ষ সংখ্যা হলো—
(ক) $(20)_8$
(খ) $(24)_{10}$
 (গ) $(24)_8$
(ঘ) $(24)_{16}$

- ৮। দশ বছর পর অতিক্রমের বয়স হেক্সাডেসিমালে কত হবে?
(ক) $(1D)_{16}$
(খ) $(1F)_{16}$
 (গ) $(1E)_{16}$
(ঘ) $(2D)_{16}$

- ৯। ১০ টি কম্পিউটারকে মেশ নেটওয়ার্কিং এর আওতায় আনতে কয়টি তারের প্রয়োজন?
(ক) 10
 (খ) 45
(গ) 30
(ঘ) 90

- ১০। বায়োইনফরমেটিক্স ব্যবহৃত হয়—
I. ডিএনএ অ্যানালাইসিস
II. জিন ফাইন্ডিং
III. মেডিকেল লজিস্টিক্স

- 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 কার্যশীল 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-ডিমন্ড সেবা
III. পে-অ্যাক্স-ইউ-পে সেবা

- নিচের কোনটি সঠিক?
(ক) I ও II
(খ) I ও III
 (গ) I ও II
(ঘ) II ও III

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N Noddings



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