



200-201 Test Papers | New 200-201 Dumps Pdf


St. XAVIER'S SENIOR SECONDARY SCHOOL
PRE-BOARD EXAMINATION 2025
 CLASS : X
MATHEMATICS
 TIME : 03 HOURS
 MAXIMUM MARKS : 80

GENERAL INSTRUCTIONS:

1. This Question Paper contains 14 questions divided into 5 sections A, B, C, D & E.
2. In Section A, Question NO 1-14 are Multiple Choice Questions (MCQ) and question no 19 and 20 are Assertion-Reason based question of 1 mark each.
3. In Section B, Question NO 21-23 are Very Short Answer (VSA) type questions, carrying 2 marks each.
4. In Section C, Question NO 24-26 are Short Answer (SA) type questions, carrying 3 marks each.
5. In Section D, Question NO 27-31 are Long Answer (LA) type questions, carrying 5 marks each.
6. In Section E, Question NO 32-34 are Case Study Based questions carrying 4 marks each with sub parts.
7. All questions are compulsory. However, internal choice is 2 Questions of Section-B, 2 Questions of Section-C, 2 Questions of Section-D has been provided. An internal choice has been provided in all the 2 marks questions of Section E.
8. Draw neat figures wherever required. Take $\pi = \frac{22}{7}$ wherever required if not stated.
9. Use of calculators is not allowed.

Q. No.	SECTION-A (MULTIPLE CHOICE QUESTIONS)	[1X20]	MARKS	
01.	The largest number which when divided 70 and 125 leaving remainders 5 and 8 respectively is a. 5 b. 8 c. 21 d. 13		1	
02.	Let a and b be two positive integers such that $a = p^3q^4$ and $b = p^2q^3$, where p and q are prime numbers. If $HCF(a, b) = p^m q^n$ and $LCM(a, b) = p^r q^s$, then $(m+n)(r+s)$ is equal to a. 15 b. 30 c. 35 d. 72		1	
03.	If α and β are zeroes of the polynomial $ax^2 + bx + c$ then the polynomial having zeroes are $-\alpha$ and $-\beta$ is a. $ax^2 - bx + c$ b. $ax^2 + bx - c$ c. $cx^2 + bx + a$ d. $cx^2 + bx - a$		1	
04.	The pair of equations $y=0$ and $y=7$ has: a. unique solution b. no solution c. two solutions d. infinitely many solutions.		1	
05.	Before 7 yrs father's age was 7 times age of his son. After 3 yrs fathers age will be 3 times age of his son. Their present ages are a. 42, 14 b. 43, 13 c. 42, 12 d. 49, 13		1	
06.	The roots of the equation $ax^2 + x + b = 0$ are equal if a. $b^2 = -4a$ b. $b^2 < 4a$ c. $b^2 = 4a$ d. $ab = \frac{1}{4}$		1	
07.	For the quadratic equation $x^2 - 4x + 1 = 0$, the value of $x + \frac{1}{x}$ is a. 2 b. -2 c. 4 d. -4		1	
08.	Which term of the AP: 113, 108, 103, Is the first negative term? a. 22 nd term b. 24 th term c. 26 th term d. 28 th term		1	
09.	If $p - 1, p + 3, p - 1$ forms an AP, then p is equal to a. 4 b. -4 c. 2 d. -2		1	
10.	In $\triangle ABC$ and $\triangle DEF$, $\frac{AB}{DE} = \frac{BC}{EF}$, Which of the following makes the two triangles similar? a. $\angle A = \angle D$ b. $\angle B = \angle D$ c. $\angle B = \angle E$ d. $\angle A = \angle F$		1	
11.	The co-ordinates of 4 th vertex D of a parallelogram ABCD whose three vertices are A(-2,3), B(6,7) and C(8,3) is a. (0,1) b. (0,-1) c. (-1,0) d. (1,0)		1	
12.	If $x = 2\sin^2\theta$, $y = 2\cos^2\theta + 1$ then $x + y$ is equal to a. 1 b. 2 c. 3 d. 4		1	
13.	A ladder is leaning against a vertical wall making an angle 60° with the wall at a height of 6m from the ground. The length of the ladder is a. $6\sqrt{3}$ m b. $8\sqrt{3}$ m c. $4\sqrt{3}$ m d. 12m		1	
14.	In the given fig AC and AB are tangents to a circle centred at O. If $\angle COD = 120^\circ$, then $\angle BAO$ is equal to a. 30° b. 60° c. 45° d. 90°			1

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What is the cost of Cisco Cybersecurity Operations Fundamentals v1.0 (200-201 CBROPS)

- Number of Questions: 90-105
- Format: Multiple choices, multiple answers
- Length of Examination: 120 minutes
- Passing Score: 70%

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Cisco Understanding Cisco Cybersecurity Operations Fundamentals Sample Questions (Q363-Q368):

NEW QUESTION # 363

What is the practice of giving an employee access to only the resources needed to accomplish their job?

- A. need to know principle
- B. organizational separation
- C. principle of least privilege
- D. separation of duties

Answer: C

Explanation:

The principle of least privilege is a security best practice that states that an employee should have access to only the minimum amount of resources and permissions needed to perform their job function. This principle reduces the attack surface and the potential damage that can be caused by a compromised account, a malicious insider, or human error. The principle of least privilege can be enforced by using role-based access control (RBAC) and regular audits. References: Understanding Cisco Cybersecurity Operations Fundamentals (CBROPS) - Cisco, page 1-10; 200-201 CBROPS - Cisco, exam topic 1.2.a

NEW QUESTION # 364

Which utility blocks a host portscan?

- A. antimalware
- B. host-based firewall
- C. sandboxing
- D. HIDS

Answer: B

Explanation:

A host-based firewall is a utility that can block unauthorized access to a computer system, including port scans. It monitors incoming and outgoing network traffic and permits or blocks data packets based on a set of security rules.

NEW QUESTION # 365

What is the difference between deep packet inspection and stateful inspection?

- A. Deep packet inspection allows visibility on Layer 7, and stateful inspection allows visibility on Layer 4.
- B. Deep packet inspection is more secure than stateful inspection on Layer 4.
- C. Stateful inspection verifies contents at Layer 4, and deep packet inspection verifies connection at Layer 7.
- D. Stateful inspection is more secure than deep packet inspection on Layer 7.

Answer: B

Explanation:

Deep packet inspection (DPI) is a form of computer network packet filtering that examines the data part (and possibly also the header) of a packet as it passes an inspection point, searching for protocol non-compliance, viruses, spam, intrusions, or defined criteria to decide whether the packet may pass or if it needs to be routed to a different destination, or, for the purpose of collecting statistical information. It is a form of filtering employed at the security layer level of the OSI model. Stateful inspection, on the other hand, is a firewall technology that monitors the state of active connections and determines which network packets to allow through the firewall. Stateful inspection has largely replaced older technologies that were static and examined packets in isolation. Therefore, DPI is considered more secure because it examines the contents of the packets at Layer 7 (the application layer), while stateful inspection typically works up to Layer 4 (the transport layer).

NEW QUESTION # 366

What is a collection of compromised machines that attackers use to carry out a DDoS attack?

- A. botnet
- B. command and control
- C. subnet
- D. VLAN

Answer: A

NEW QUESTION # 367

Refer to the exhibit.

A workstation downloads a malicious docx file from the Internet and a copy is sent to FTDv. The FTDv sends the file hash to FMC and the file event is recorded what would have occurred with stronger data visibility.

- A. Malicious traffic would have been blocked on multiple devices
- B. The traffic would have been monitored at any segment in the network.
- C. Detailed information about the data in real time would have been provided
- D. An extra level of security would have been in place

Answer: C

Explanation:

With stronger data visibility, detailed information about the data in real-time is provided. This enhanced visibility allows for a more comprehensive analysis of network traffic, enabling security professionals to identify and mitigate threats more effectively. References
⇒ Cisco Cybersecurity Operations Fundamentals

NEW QUESTION # 368

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