

001. -----refers to unauthorized access to or interception of data. D
 A repudiation B replaying
 C modification D Snooping
002. Find the solution of $x^2 \equiv 16 \pmod{23}$. A
 A $x = 4$ and 19 B $x = 6$ and 17
 C $x = 11$ and 12 D $x = 7$ and 16
003. The -----of data can be threatened by several kinds of attacks: modification, masquerading, replaying, and repudiation. B
 A Availability B integrity
 C Authenticity D Confidentiality
004. The linear combination of $\gcd(252, 198) = 18$ is----- C
 A $252 \cdot 5 - 198 \cdot 4$ B $252 \cdot 4 - 198 \cdot 2$
 C $252 \cdot 4 - 198 \cdot 5$ D $252 \cdot 2 - 198 \cdot 5$
005. In computer security, ----- means that the information contained in a computer system can only be read by authorized persons. A
 A Confidentiality B Integrity
 C Availability D Authenticity
006. $-5 \pmod{-3} =$ C
 A 3 B 2
 C 1 D 5
007. In computer security, ----- means that active computer systems can only be modified by authorized persons. B
 A Confidentiality B Integrity
 C Availability D Authenticity
008. The two types of attacks threaten the -----of information: snooping and traffic analysis. C
 A Integrity B Availability
 C confidentiality D Authenticity
009. ----- is an attack threatening availability B
 A Repudiation B Denial of Service
 C Replay D Masquerading
010. The solution of linear congruence $4x \equiv 5 \pmod{9}$ is ----- B
 A $6 \pmod{9}$ B $8 \pmod{9}$
 C $9 \pmod{9}$ D $10 \pmod{9}$
011. In -----, the attacker's goal is just to obtain information C
 A Slow attack B Active attack
 C passive attack D sleep attack
012. The value of $5^{2003} \pmod{7}$ is----- A
 A 3 B 4
 C 8 D 9
013. In -----, the sender of the message might later deny that she has sent the message; the receiver of the message might later deny that he has received the message. A
 A repudiation B replaying
 C modification D Snooping
014. The inverse of 7 modulo 26 is----- C
 A 12 B 14
 C 15 D 20
015. ----- happens when the attacker impersonates somebody else. D
 A Replay B Snooping
 C Traffic Analysis D Masquerading
016. The inverse of 3 modulo 7 is ----- B
 A -1 B -2
 C -3 D -4
017. Attacks that threaten the integrity and availability are ----- B

- A Slow attack
C passive attack
- B Active attack
D sleep attack
- 018.** Expand ITU-T: **D**
- A International Telecom Union-Telecom Standardization Section
C International Telecommunication Union-Telecommunication Standardization Section
- B International Telecom Union-Telecom Standardization Sector
D International Telecommunication Union-Telecommunication Standardization Sector
- 019.** -----is designed to protect data from disclosure attack **C**
- A Data Integrity
C Data Confidentiality
- B nonrepudiation
D Access Control
- 020.** ----- is designed to protect data from modification, insertion, deletion, and replaying by an adversary **A**
- A Data Integrity
C Data Confidentiality
- B nonrepudiation
D Access Control
- 021.** An -----attack may change the data or harm the system **A**
- A active
C slow
- B passive
D fast
- 022.** A binary operation takes ----- inputs and creates ----- output **C**
- A 1, 2
C 2, 1
- B 2, 2
D 2, 0
- 023.** Attacks that threaten confidentiality: snooping and traffic analysis, are -----attacks **D**
- A fast
C active
- B slow
D passive
- 024.** $ab \pmod n$ if and only if $n|(ab)$. **B**
- A $n|(a)$.
C $n|(a+b)$.
- B $n|(ab)$.
D $n|(a*b)$.
- 025.** if $a \mid 1$, then $a = \underline{1}$ ----- **A**
- A 1
C 2
- B 0
D a
- 026.** Find the greatest common divisor of 2740 and 1760. **D**
- A 25
C 10
- B 5
D 20
- 027.** A linear Diophantine equation of two variables is----- **C**
- A $xy+a=y$
C $ax + by = c$
- B $xy = c$
D $x+y=xy$
- 028.** The result of the modulo operation with modulus n is always an integer between 0 and- ----- **B**
- A n
C n+1
- B n 1
D n/2
- 029.** -----is designed to prevent snooping and traffic analysis attack **C**
- A Data Integrity
C Data Confidentiality
- B nonrepudiation
D Access Control
- 030.** In -----with proof of delivery, the sender of data can later prove that data were delivered to the intended recipient **B**
- A Data Integrity
C Data Confidentiality
- B nonrepudiation
D Access Control
- 031.** In -----with proof of the origin, the receiver of the data can later prove the identity of the sender if denied **B**
- A Data Integrity
C Data Confidentiality
- B nonrepudiation
D Access Control
- 032.** $\gcd(36, 10)=$ **D**
- A 6
C 1
- B 4
D 2

- 033.** In \mathbb{Z}_n , two numbers a and b are the multiplicative inverse of each other if **A**
- A $a + b \equiv 1 \pmod{n}$ B $a + b \equiv 0 \pmod{n}$
 C $a + b \equiv -1 \pmod{n}$ D $a + b \equiv k \pmod{n}$
- 034.** The multiplicative Inverse of $1234 \pmod{4321}$ is ----- **A**
- A 3239 B 3213
 C 3242 D 3225
- 035.** $(1,723,345 + 2,124,945) \pmod{11} = \text{-----}$ **C**
- A 8 B 10
 C 6 D 9
- 036.** What is $11 \pmod{7}$ and $-11 \pmod{7}$? **D**
- A 4 and 5 B 4 and 4
 C 5 and 3 D 4 and -4
- 037.** What is the result of the following operation? Subtract 11 from 7 in \mathbb{Z}_{13} **C**
- A 6 B 0
 C 9 D 17
- 038.** In \mathbb{Z}_n , two numbers a and b are additive inverses of each other if **B**
- A $a + b \equiv 1 \pmod{n}$ B $a + b \equiv 0 \pmod{n}$
 C $a + b \equiv -1 \pmod{n}$ D $a + b \equiv k \pmod{n}$
- 039.** What is the result of the following operation? Add 7 to 14 in \mathbb{Z}_{15} **A**
- A 6 B 10
 C 9 D 17
- 040.** What is the result of the following operation? Multiply 11 by 7 in \mathbb{Z}_{20} **D**
- A 6 B 10
 C 9 D 17
- 041.** ----- means selecting and continuously changing different available routes between the sender and the receiver to prevent the opponent from eavesdropping on a particular route. **B**
- A Notarization B Routing control
 C Traffic padding D Access control
- 042.** -----uses methods to prove that a user has access right to the data or resources owned by a system. **D**
- A Notarization B Routing control
 C Traffic padding D Access control
- 043.** ----- refers to selecting a third trusted party to control the communication between two entities. **A**
- A Notarization B digital signature
 C authentication D enciphering
- 044.** In -----exchange, two entities exchange some messages to prove their identity to each other **C**
- A Notarization B digital signature
 C authentication D enciphering
- 045.** $-5 \pmod{-3} =$ **C**
- A 3 B 2
 C 1 D 5
- 046.** ----- means inserting some bogus data into the data traffic to thwart the adversary's attempt to use the traffic analysis. **C**
- A Notarization B Routing control
 C Traffic padding D Access control
- 047.** $\text{GCD}(a,b) = \text{GCD}(b,a \pmod{b})$ **A**
- A true B false
 C infinity D can't be defined
- 048.** $7x \equiv 6 \pmod{5}$. Then the value of x is----- **B**
- A 2 B 3
 C 4 D 5

- 049.** Find the multiplicative inverse of 11 in Z_{26} **B**
 A -7 B 19
 C -2 D 26
- 050.** A residue matrix has a multiplicative inverse if $\gcd(\det(A), n) = \text{-----}$ **C**
 A 0 B Doesnt exist
 C 1 D -1
- 051.** DES follows **C**
 A Hash Algorithm B Caesars Cipher
 C Feistel Cipher Structure D SP Networks
- 052.** For the group S_n of all permutations of n distinct symbols, what is the number of elements in S_n ? **D**
 A n B $n-1$
 C $2n$ D $n!$
- 053.** The integer a in Z_n has a multiplicative inverse if and only if $\gcd(n, a) = \text{-----}$ **A**
 A $1 \pmod{n}$ B $-1 \pmod{n}$
 C $0 \pmod{n}$ D $k \pmod{n}$
- 054.** The extended Euclidean algorithm finds the multiplicative inverses of b in Z_n when n and b are given and $\gcd(n, b) = \text{-----}$ **C**
 A 0 B b
 C 1 D -1
- 055.** A ----- is a means by which the sender can electronically sign the data and the receiver can electronically verify the signature. **B**
 A Notarization B digital signature
 C authentication D enciphering
- 056.** cryptography and steganography are used for ----- **D**
 A Notarization B digital signature
 C authentication D enciphering
- 057.** In the DES algorithm the round key is ___ bit and the Round Input is _____ bits. **A**
 A 48, 32 B 64, 32
 C 56, 24 D 32, 32
- 058.** How many numbers cannot be used in $GF(p)$ in 2^n where $n=4$? **C**
 A 2 B 3
 C 5 D 1
- 059.** In the DES algorithm the Round Input is 32 bits, which is expanded to 48 bits via **A**
 A Scaling of the existing bits B Duplication of the existing bits
 C Addition of zeros D Addition of ones
- 060.** On multiplying $(x^5 + x^2 + x)$ by $(x^7 + x^4 + x^3 + x^2 + x)$ in $GF(2^8)$ with irreducible polynomial $(x^8 + x^4 + x^3 + x + 1)$ we get----- **D**
 A $x^{12} + x^7 + x^2$ B $x^5 + x^3 + x^3$
 C $x^5 + x^3 + x^2 + x$ D $x^5 + x^3 + x^2 + x + 1$
- 061.** The DES algorithm has a key length of ----- **C**
 A 128 Bits B 32 Bits
 C 64 Bits D 16 Bits
- 062.** The GCD of $x^3 + x + 1$ and $x^2 + x + 1$ over $GF(2)$ is----- **A**
 A 1 B $x + 1$
 C x^2 D $x^2 + 1$
- 063.** The DES Algorithm Cipher System consists of _____ rounds (iterations) each with a round key **D**
 A 12 B 18
 C 9 D 16
- 064.** On multiplying $(x^6 + x^4 + x^2 + x + 1)$ by $(x^7 + x + 1)$ in $GF(2^8)$ with irreducible polynomial $(x^8 +$ **B**

$x^4 + x^3 + x + 1$) we get-----

A $x^7 + x^6 + x^3 + x^2 + 1$

B $x^7 + x^6 + 1$

C $x^6 + x^5 + x^2 + x + 1$

D $x^7 + x^6 + x + 1$

- 065.** How many keys does the Triple DES algorithm use? **C**
 A 2 B 3
 C 2 or 3 D 3 or 4
- 066.** How many rounds does the AES-192 perform? **B**
 A 10 B 12
 C 14 D 16
- 067.** What is the size of the key in the SDES algorithm? **D**
 A 24 bits B 16 bits
 C 20 bits D 10 bits
- 068.** How many rounds does the AES-256 perform? **C**
 A 10 B 12
 C 14 D 16
- 069.** The number of unique substitution boxes in DES after the 48 bit XOR operation are--- **A**
 A 8 B 4
 C 6 D 12
- 070.** AES uses a _____ bit block size and a key size of _____ bits. **D**
 A 128; 128 or 256 B 64; 128 or 192
 C 256; 128, 192, or 256 D 128; 128, 192, or 256
- 071.** In DES, the Initial Permutation table/matrix is of size----- **C**
 A 16x8 B 12x8
 C 8x8 D 4x8
- 072.** The GCD of $x^3 - x + 1$ and $x^2 + 1$ over GF(3) is----- **A**
 A 1 B x
 C $x + 1$ D $x^2 + 1$
- 073.** Which of the 4 operations are false for each round in the AES algorithm i) Substitute Bytes ii) Shift Columns iii) Mix Rows iv) XOR Round Key **B**
 A i) only B ii) iii) and iv)
 C ii) and iii) D only iv)
- 074.** The combination of the set and the operations that are applied to the elements of the set is called an/a ----- **A**
 A algebraic structure B group
 C commutative group D abelian group
- 075.** In AES the 4x4 bytes matrix key is transformed into a key of size _____ **D**
 A 32 words B 64 words
 C 54 words D 44 words
- 076.** A ----- is a set of elements with a binary operation that satisfies four axioms. **B**
 A algebraic structure B group
 C commutative group D abelian group
- 077.** The 4x4 byte matrices in the AES algorithm are called----- **A**
 A States B Words
 C Transitions D Permutations
- 078.** The DES function has _____ components. **C**
 A 2 B 3
 C 4 D 5
- 079.** What is the expanded key size of AES-192? **C**
 A 44 words B 60 words
 C 52 words D 36 words
- 080.** _____ DES was designed to increase the size of the DES key. **B**
 A Double B Triple
 C Quadruple D zero

- 081.** A ring involves -----operations **C**
 A one B three
 C two D four
- 082.** Which of the following is a faulty S-AES step function? **B**
 A Add round key B Byte substitution
 C Shift rows D Mix Columns
- 083.** What is the block size in the Simplified AES algorithm? **B**
 A 8 bits B 40 bits
 C 16 bits D 36 bits
- 084.** How many computation rounds does the simplified AES consists of? **B**
 A 5 B 2
 C 8 D 10
- 085.** If a subgroup of a group can be generated using the power of an element, the subgroup is called the -----subgroup. **A**
 A cyclic B finite
 C infinite D closed
- 086.** On comparing AES with DES, which of the following functions from DES does not have an equivalent AES function? **C**
 A permutation p B f function
 C swapping of halves D xor of subkey with function f
- 087.** -----theorem relates the order of a group to the order of its subgroup **D**
 A Euclidian B tailor
 C fermat D Lagranges
- 088.** Which function can be used in AES multiplication? **B**
 A $m(x)=x^7+x^4+x^3$ B $m(x)=x^8+x^4+x^3+x+1$
 C $m(x)=x^8+x^3+x^2+x+1$ D $m(x)=x^8+x^5+x^3+x$
- 089.** Multiplication of polynomials in $GF(2^n)$ can be achieved using -----andexclusive-or operations. **D**
 A AND B rotate
 C shift-right D shift-left
- 090.** Polynomials representing -----bit words use two fields: $GF(2)$ and $GF(2^n)$. **C**
 A $2n$ B 2
 C n D 8
- 091.** A Galois field, $GF(p^n)$, is a finite field with -----elements. **D**
 A pn B n
 C p D p^n
- 092.** How many step functions do Round 1 and 2 each have in S-AES? **A**
 A 4 and 3 B Both 4
 C 1 and 4 D 3 and 4
- 093.** Addition/subtraction in $GF(2)$ is the same as the -----operation **B**
 A OR B XOR
 C AND D NOR
- 094.** How many round keys are generated in the AES algorithm? **A**
 A 11 B 10
 C 8 D 12
- 095.** DES uses a key generator to generate sixteen _____ round keys. **B**
 A 32-bit B 48-bit
 C 54-bit D 42-bit
- 096.** A ----- is invertible, but compression and expansion P-boxes are not. **C**
 A P-Box B Compression P-Box
 C Straight P-Box D Expansion P-boxes
- 097.** A(n) _____ is a keyless substitution cipher with N inputs and M outputs that uses a formula to define the relationship between the input stream and the output stream. **A**

- A S-box
C T-box
- B P-box
D B-box
- 098.** Which one of the following is not a possible key length for the Advanced Encryption Standard Rijndael cipher? **A**
- A 56 bits
C 192 bits
- B 128 bits
D 256 bits
- 099.** A ----- parallels the traditional transposition cipher for characters **B**
- A S-Box
C T-Box
- B P-Box
D N-Box
- 100.** The Advanced Encryption Standard (AES), has three different configurations with respect to the number of rounds and----- **C**
- A data size
C key size
- B round size
D encryption size
- 101.** -----are used when we need to permute bits and the same time increase the number of bits for the next stage **D**
- A P-Box
C Straight P-Box
- B Compression P-Box
D Expansion P-boxes
- 102.** To provide security, AES uses ----- types of transformations **D**
- A 2
C 5
- B 3
D 4
- 103.** $(231)_{10} =$ **D**
- A 230
C 80
- B 60
D 120
- 104.** In a nonsynchronous stream cipher, the key depends on either the plaintext or ciphertext **C**
- A synchronous
C nonsynchronous
- B modern
D general
- 105.** -----hides the relationship between the ciphertext and the plaintext. **D**
- A Key generator
C Key schedule
- B Confusion
D Diffusion
- 106.** -----hides the relationship between the ciphertext and the key. **B**
- A Key generator
C Key schedule
- B Confusion
D Diffusion
- 107.** In a -----stream cipher the key is independent of the plaintext or ciphertext **A**
- A synchronous
C asynchronous
- B modern
D general
- 108.** In a -----stream cipher, each r-bit word in the plaintext stream is enciphered using an r-bit word in the key stream to create the corresponding r-bit word in the ciphertext stream. **B**
- A synchronous
C asynchronous
- B modern
D general
- 109.** The inverse of 49 mod 37 is -- **D**
- A 31
C 22
- B 23
D 34
- 110.** Find the primitive roots of $G = \langle \mathbb{Z}_{11}^*, x \rangle$? **D**
- A $\{2, 6, 8\}$
C $\{3, 4, 7, 8\}$
- B $\{2, 5, 8\}$
D $\{2, 6, 7, 8\}$
- 111.** Find the number of primitive roots of $G = \langle \mathbb{Z}_{11}^*, x \rangle$? **C**
- A 5
C 4
- B 6
D 10
- 112.** Find the order of group $G = \langle \mathbb{Z}_{20}^*, x \rangle$ **D**
- A 6
C 10
- B 9
D 8
- 113.** Find x for the CRT when $x \equiv 2 \pmod{3}$; $x \equiv 3 \pmod{5}$; $x \equiv 2 \pmod{7}$ **C**

- A 33 B 22
C 23 D 31
114. Which among the following values: 17, 20, 38, and 50, does not have primitive roots in the group $G = \langle \mathbb{Z}_n^*, x \rangle$? **B**
A 17 B 20
C 38 D 50
115. Consider a function: $f(n)$ = number of elements in the set $\{a: 0 \leq a < n \text{ and } \gcd(a, n) = 1\}$. What is this function? **B**
A Primitive B Totient
C Primality D Primitive, totient, primality
116. -----theorem states that if p is a prime number, then for any integer a , the number $a^p - a$ is an integer multiple of p . **D**
A Euclidean B Eulers
C Chinese remainder D Fermat's little
117. $x^2 - 4x - 16 \equiv 0 \pmod{29}$ **B**
A $x = 6, 24 \pmod{29}$ B $x = 9, 24 \pmod{29}$
C $x = 9, 22 \pmod{29}$ D $x = 6, 22 \pmod{29}$
118. $17x^2 \equiv 10 \pmod{29}$ **C**
A $x = 3, 22 \pmod{29}$ B $x = 7, 28 \pmod{29}$
C $x = 2, 27 \pmod{29}$ D $x = 4, 28 \pmod{29}$
119. Six teachers begin courses on Monday Tuesday Wednesday Thursday Friday and Saturday, respectively, and announce their intentions of lecturing at intervals of 2, 3, 4, 1, 6 and 5 days respectively. Sunday lectures are forbidden. When first will all the teachers feel compelled to omit a lecture? Use CRT. **B**
A 354 B 371
C 432 D 213
120. The number of primes of the form $|n^2 - 6n + 5|$ where n is an integer is----- **C**
A 0 B 1
C 2 D 3
121. How many primitive roots are there for 25? **D**
A 4 B 5
C 7 D 8
122. when m and n are coprime, $(m \cdot n) =$ ----- **A**
A $(m) \cdot (n)$ B $(m) + (n)$
C $(m) / (n)$ D $(m) \cdot (n)$
123. The inverse of 37 mod 49 is - **C**
A 23 B 12
C 4 D 6
124. Does the set of residue classes (mod 3) form a group with respect to modular addition? **A**
A Yes B No
C Cant Say D Insufficient Data
125. Using Differential Crypt-analysis, the minimum computations required to decipher the DES algorithm is--- **D**
A 256 B 243
C 255 D 247
126. Find the set of quadratic residues in the set $\mathbb{Z}_{11}^* = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$ **D**
A QR set = $\{1, 2, 4, 5, 9\}$ of \mathbb{Z}_{11}^* B QR set = $\{1, 3, 6, 5, 9\}$ of \mathbb{Z}_{11}^*
C QR set = $\{1, 3, 4, 9, 10\}$ of \mathbb{Z}_{11}^* D QR set = $\{1, 3, 4, 5, 9\}$ of \mathbb{Z}_{11}^*
127. $x^7 \equiv 17 \pmod{29}$ **B**
A $x = 8, 9, 12, 13, 15, 24, 28 \pmod{29}$ B $x = 8, 10, 12, 15, 18, 26, 27 \pmod{29}$
C $x = 8, 10, 12, 15, 17, 24, 27 \pmod{29}$ D $x = 8, 9, 13, 15, 17, 24, 28 \pmod{29}$
128. Consider the following system of two equations (congruences): $x \equiv 12 \pmod{29}$ $x \equiv 7 \pmod{15}$ According to Chinese Remainder Theorem (CRT), which of the following is true **B**

about x ?

A x has no solution in (mod 29 15)

B x has exactly one solution in (mod 29 15)

C x has more than one solution in (mod 29 15)

D x has four solutions in (mod 29 15) because there are two equations

129. How many primitive roots are there for 19?

A 4

B 5

C 3

D 6

130. The GCD of $x^5+x^4+x^3 - x^2 - x + 1$ and $x^3 + x^2 + x + 1$ over GF(3) is---

A 1

B x

C $x + 1$

D $x^2 + 1$

131. What is the Discrete logarithm to the base 13 (mod 19) for $a = 13$?

A 14

B 1

C 8

D 17

132. Find a number x between 0 and 28 with x^{85} congruent to 6 mod 29.

A 22

B 12

C 6

D 18

133. What is the Discrete logarithm to the base 10 (mod 19) for $a = 7$?

A 12

B 14

C 8

D 11

134. Find the solution of $x^2 \equiv 16 \pmod{23}$

A $x = 6$ and 17

B $x = 4$ and 19

C $x = 11$ and 12

D $x = 7$ and 16

135. $3^{201} \pmod{11} =$

A 3

B 5

C 6

D 10

136. Primitive Polynomial is also called a ____ i) Perfect Polynomial ii) Prime Polynomial iii) Irreducible Polynomial iv) Imperfect Polynomial

A ii) and iii)

B only iii)

C iv) and ii)

D only i)

137. $(41) =$

A 40

B 18

C 20

D 22

138. The ----- theorem is used to solve a set of congruent equations with one variable but different moduli that are relatively prime

A Euclidean

B Eulers

C Chinese remainder

D Fermat 's little

139. If the multiplicative inverse of 53 modulo 21 exists, then which of the following is true?

A $\text{GCD}(53, 21) = 29$

B $\text{GCD}(53, 21) = 1$

C $\text{GCD}(53, 21) = 53$

D $\text{GCD}(53, 21) = 12$

140. A composite is a positive integer with at least -----divisors

A four

B three

C two

D zero

141. What is the Discrete logarithm to the base 15 (mod 19) for $a = 9$?

A 3

B 7

C 12

D 4

142. How many primitive roots are there for 25?

A 4

B 5

C 7

D 8

143. Find a number x between 0 and 28 with x^{85} congruent to 6 mod 35.

A 6

B 32

C 8

D 28

144. If n is a prime, $\text{mod } n = \pm 1$ -----

D

C

B

C

A

B

A

A

A

C

B

C

D

D

A

B

- | | | | | |
|---|---|---|---|--|
| A | 0 | B | 1 | |
| C | p | D | n | |
- 145.** Find the order of the group $G = \langle \mathbb{Z}_{12}^*, x \rangle$? **A**
- | | | | |
|---|---|---|---|
| A | 4 | B | 5 |
| C | 6 | D | 2 |
- 146.** How many primitive roots does \mathbb{Z}_{19} have? **D**
- | | | | |
|---|---|---|---|
| A | 5 | B | 8 |
| C | 7 | D | 6 |
- 147.** $(27)_6 =$ **D**
- | | | | |
|---|----|---|----|
| A | 6 | B | 12 |
| C | 26 | D | 18 |
- 148.** ----- function finds the number of integers that are both smaller than n and relatively prime to n. **B**
- | | | | |
|---|-------------------|---|-----------------|
| A | Euclidean | B | Eulers totient |
| C | Chinese remainder | D | Fermat's little |
- 149.** $7^3 \bmod 19 =$ **B**
- | | | | |
|---|----|---|----|
| A | 18 | B | 1 |
| C | 14 | D | 12 |
- 150.** The modulus in the Fermat theorem is a ----- **C**
- | | | | |
|---|-------|---|---------|
| A | odd | B | even |
| C | prime | D | integer |