

# Information security test has answers - Part 2

Multiple choice questions on information security.

1. Question 1. Given the code  $y = 126$  private keys is  $p = 7$ ,  $q = 23$ ,  $e = 5$ . When decoding the code with the key on RSA system, will we get the following version?
  1. twelfth
  2. 26
  3. 42
  4. 62
2. Question 2. Give plaintext  $x = 29$  public keys  $n = 161$ ,  $e = 13$ . When encoding the plaintext  $x$  with the above key in the RSA code system, which of the following codes will we obtain?
  1. 6
  2. 36
  3. 63
  4. 129
3. Question 3. Given the code  $y = 36$  private keys is  $p = 7$ ,  $q = 23$ ,  $e = 13$ . When decoding the code with the key on RSA system, will we get the following version?
  1. 9
  2. 19
  3. 29
  4. 92
4. Question 4. Given the plaintext  $x = 20$  public keys  $n = 161$ ,  $e = 35$ . When encoding the plaintext  $x$  with the above key in the RSA code system, which of the following code is obtained?
  1. 13
  2. 16
  3. 83
  4. 186
5. Question 5. Given the code  $y = 83$  private key is  $p = 7$ ,  $q = 23$ ,  $e = 35$ . When decoding the  $y$  code with the key on RSA system, will we get the following version?
  1. ten
  2. 20
  3. 25
  4. 30
6. Question 6. Give the plaintext  $x = 22$  public key  $n = 265$ ,  $e = 11$ . When encoding the plaintext  $x$  with the above key in the RSA code system, which of the following code is obtained?
  1. 22
  2. 28
  3. 138
  4. 238
7. Question 7. Given the code  $y = 238$  private key is  $p = 5$ ,  $q = 53$ ,  $e = 11$ . When decoding the  $y$  code with the key on RSA system, we will get the following plaintext

1. ten
  2. twelfth
  3. 20
  4. 22
8. Question 8. Who A chooses parameters  $p = 17$ ,  $q = 3$ ,  $e = 5$ . What is A's private key?
1. 51.5
  2. 36.5
  3. 13
  4. 17,3, 13
9. Question 9. For plaintext  $x = 24$  public keys  $n = 33$ ,  $e = 7$ . When encoding the plaintext  $x$  with the above key in the RSA code, which of the following codes will we obtain?
1. 16
  2. 18
  3. 20
  4. 28
10. Question 10. Given the code  $y = 66$  private keys is  $p = 5$ ,  $q = 19$ ,  $e = 11$ . When decoding the code with the key on RSA system, will we get the following version?
1. 2
  2. 9
  3. 16
  4. 32

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