

A (Printed Pages 4)
(20620) Roll No.
BCA-VI Sem.

18026 (CV)

B.C.A. Examination, June-2020

COMPUTER NETWORK SECURITY

(BCA-601)

(NEW)

Time : Two Hours / Maximum Marks : 75

Note : Attempt all the sections as per instructions.

Section - A

(Very Short Answer Type Questions)

Note: Attempt any four questions. Each question carries 3.75 marks.

$$4 \times 3.75 = 15$$

1. What is the need of security in network communication?
2. Explain various types of viruses.

P.T.O.

3. What is Key distribution? How can it be achieved?
4. What are the benefits and services provided by IP Sec?
5. What is digital signature?

Section - B

(Short Answer Type Questions)

Note : Attempt any one question. Each question carries 15 marks.

$$1 \times 15 = 15$$

6. What is the need of Authentication? Explain various Authentication functions.
7. What is Intrusion Detection? Write some measures used for Intrusion Detection.
8. What is Cryptanalysis? Explain various types of cryptanalysis with an example.

18026(CV)/2

Section - C

(Long Answer Type Questions)

Note : Attempt any **two** questions. Each question carries 22.5 marks.

$$2 \times 22.5 = 45$$

9. (a) Explain RSA Public Key Encryption.
In a RSA system the public key of a given user is $c = 7$ and $n = 33$. What is the private key of this user?
- (b) Describe the technical deficiencies of Kerberos V4 over V5.
10. Discuss various types of Firewalls at different layers on TCP/IP stack along with their advantages and disadvantages.
11. (a) What do you understand by Cryptography? List the various cryptographic with the suitable illustrations.

18026(CV)/3

P.T.O.

- (b) Explain Secure Electronic Transaction.
12. Explain in detail Network Security Architecture.
13. Write short notes on :
- (a) Secure Socket Layer
- (b) SNMP
- (c) X.509 certificate

18026(CV)/4

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18026(CV)/2

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18026(CV)/3

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18026(CV)/4

A (Printed Pages 3)
(20620) Roll No.....
BCA-VI Sem.

18028 (CV)

B.C.A. Examination, June-2020

E-Commerce

(BCA-603)

Time : Two Hours] [Maximum Marks : 75

Note : Attempt questions from **all** the sections as per instructions.

Section - A

Note : Attempt any **four** questions. Each question carries 3.75 marks.

1. What is e-commerce evaluation?
2. Explain the characteristics of B2B EC.
3. What is the difference between 'Server' and 'Client'?
4. Give the names of any six cyber crimes.
5. Give any two features of 'e-banking'.

P.T.O.

Section - B

Note : Attempt any **one** question from this section. Each question carries **15** marks.

6. Explain with example the "first mover advantage" in e-commerce.
7. Write a note on 'Infrastructure for e-commerce'.
8. What is the common name of 'Network of Networks'? Explain it.

Section - C

Note : Attempt any **two** questions from this section. Each question carries 22.5 marks.

9. What are the different protocols used in e-commerce? Explain their significance and use in different web. applications.
10. What do you mean by 'Denial of service' attacks? How on-line website operations can be protected from hackers? Discuss.

18028(CV)/2

11. Discuss the role of e-commerce on business-advertising.
12. What are 'stored value cards' and 'e-cash'? Explain their significance in today's scenario.
13. Explain the following in brief:
 - (a) EDI and business
 - (b) Free speech
 - (c) Electronic cheque

A (Printed Pages 4)
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BCA-VI Sem.

18027 (CV)

**B.C.A. Vith Semester Examination,
June-2020**

INFORMATION SYSTEM ANALYSIS

DESIGN AND IMPLEMENTATION

(BCA-602)

(NEW)

Time : Two Hours | Maximum Marks : 75

Note : Attempt **all** the Sections as per instructions.

Section - A

(Very Short Answer Type Questions)

Note: Attempt **any four** questions.
Each question carries 3.75 marks.
Very Short Answer is required not exceeding 75 words. $3.75 \times 4 = 15$

P.T.O.

1. Define the characteristics of a system.
2. Explain 'Analysis' and 'Design' phases of SDLC.
3. Explain the concept of RAD model.
4. Mention various steps in drawing DFD.
5. What do you mean by Feasibility study?

Section - B

(Short Answer Type Questions)

Note : Attempt any **one** question out of the following **three** questions. Each question carries 15 marks. Short answer is required not exceeding 200 words. $1 \times 15 = 15$

6. What are the various techniques used in SSADM?
7. What is Prototyping? Why do we need such a technique.
8. Explain various steps used in object oriented analysis.

18027(CV)/2

Section - C

(Long Answer Type Questions)

Note : Attempt any **Two** questions out of the following **Five** questions. Each question carries 22.5 marks. Answer is required in detail. $2 \times 22.5 = 45$

9. What are CASE tools? How does CASE support in software life cycle.
10. Explain the different categories of maintenance in the SDLC.
11. What is Risk analysis? What are the various risk that can result in project failure? <https://www.ccsustudy.com>
12. (a) What do you mean by Joint Application Design (JAD)?
- (b) What are the various advantages and disadvantages of waterfall model?

18027(CV)/3

P.T.O.

13. Write short notes on :

- (i) Process Design
- (ii) Decision Tree
- (iii) Line of code
- (iv) Polymorphism
- (v) Attribute

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/4

18029 (CV)

B.C.A. Examination, June-2020

KNOWLEDGE MANAGEMENT

(BCA-604)

Time : Two Hours] [Maximum Marks : 75

Note : Attempt **all** the sections as per instructions.

Section - A

Note : Attempt any **four** questions. Each question carries 3.75 marks.

$$3.75 \times 4 = 15$$

1. What do you understand by Groupware Technologies?
2. What do you understand by OLAP?
3. What do you understand by Multidimensional analysis?
4. What is Data marts?
5. What is Link Analysis?

Section - B

Note : Attempt any **one** question from this section. Each question carries **15** marks. $1 \times 15 = 15$

6. What is Group decision support system? Explain with its components.
7. What do you understand by Artificial Intelligence? Explain.
8. What do you understand by KM System? Explain.

Section - C

Note : Attempt any **two** questions. Each question carries 22.5 marks.

$$2 \times 22.5 = 45$$

9. Write short notes on any **3**:
 - (a) Meta Data
 - (b) Data Warehouse
 - (c) Expert System
 - (d) OLTO

18029(CV)/2

10. What is Knowledge Management? Discuss the prime organizational knowledge management process.
11. What do you mean by a business expert system? Mention the benefits of expert system.
12. Explain the dataware architecture?
13. Write down the techniques of knowledge management appreciation & limitations?