

(20519)

Roll No. ....

Total Questions : 13 ]

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**18026**

B.C.A. VIth Semester Examination, May-2019

**COMPUTER NETWORK SECURITY**

(BCA-601)

**Time : 3 Hrs. ]**

**[ M.M. : 75**

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

**Section-A**

(Very Short Answer Type Questions)

**Note :-** Attempt all the *five* questions. Each question carries 3 marks. Very short answer is required.

1. Discuss the components of cryptography.
2. How is a secret key different from public key ?
3. Write down principles of security.

**NA-574**

( 1 )

Turn Over

4. Differentiate Encryption and Decryption.

5. What are the advantages and disadvantages of public key encryption ?

**Section-B**

(Short Answer Type Questions)

**Note :-** Attempt any *two* questions. Each question carries 7½ marks.

6. X.509 is a good security protocol. How this protocol is different from IPsec ?
7. Compare and contrast block cipher and stream cipher.
8. Explain SSL Protocol. List the services provided by SSL record protocol.

**Section-C**

(Long Answer Type Questions)

**Note :-** Attempt any *three* questions. Each question carries 15 marks.

9. What is Authentication ? What are the various authentication techniques used today for safe business-transaction online ?

**NA-574**

( 2 )

10. S/MIME and PGP are sister protocols. Study the two protocols and discuss the quality they share.
11. Explain Kerberos. What are the authentication requirements defined by Kerberos ?
12. Briefly explain the private and public key cryptography. Define public key cryptography with RSA.
13. Write notes on the following :
  - (i) Repudiation
  - (ii) Intrusion detection
  - (iii) VPN
  - (iv) Digital certificate
  - (v) Firewall

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**18028**

B.C.A. Vith Semester Examination, May-2019

**E-COMMERCE**

(BCA-603)

Time : 3 Hrs. ]

[ M.M. : 75

Note :- Attempt all the Sections as per instructions.

**Section-A**

(Very Short Answer Type Questions) 3x5=15

Note :- Attempt all five questions.

1. What is Cyber Crime ? Explain.
2. Define Client/Server.
3. Differentiate between E-commerce and E-marketing.

**NA-576**

( 1 ) .

Turn Over

4. Explain Supply Chain.

5. Explain Intranet and Extranet.

**Section-B**

(Short Answer Type Questions) 7½x2=15

Note :- Attempt any two questions .

6. What is the role of administrator in client/server technology ? Explain.
7. Explain the process of Encryption to protect the data.
8. What is Intellectual Property System ? Explain.

**Section-C**

(Long Answer Type Questions) 15x3=45

Note :- Attempt any three questions.

9. Explain SET Protocol in payment system.
10. Explain the processing of Fund Transfer in E-commerce. .
11. Explain B2B Models with is merits.
12. Explain Electronic Marketing in Business Models.

**NA-576**

( 2 )

13. Define the following :

- (a) Privacy as a legal issues
- (b) Business Capability
- (c) Internet Commerce

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Total Questions : 13 ]

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**18027**

B.C.A. VIth Semester Examination, May-2019

**INFORMATION SYSTEM ANALYSIS  
DESIGN AND IMPLEMENTATION**

(BCA-602)

**Time : 3 Hrs. ]**

**[ M.M. : 75**

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

**Section-A**

**(Very Short Answer Type Questions) 3x5=15**

**Note :-** Attempt all the *five* questions. Each question carries 3 marks. Very short answer is required not exceeding 75 words.

1. What are the various duties performed by DBA ?
2. What are the feasibility analysis check points in the development cycle ?

**NA-575**

( 1 )

Turn Over

3. Explain various characteristics of a system.
4. State the benefits of E-R diagram.
5. What is project scheduling ?

**Section-B**

**(Short Answer Type Questions) 7½x2=15**

**Note :-** Attempt any *two* questions out of the following three questions. Each question carries 7½ marks. Short answer is required not exceeding 200 words.

6. Explain the SDLC with diagram.
7. Explain the software, product and process quality with example.
8. Describe the key concept of object oriented model.

**Section-C**

**(Long Answer Type Questions) 15x3=45**

**Note :-** Attempt any *three* questions out of the following five questions. Each question carries 15 marks. Answer is required in detail.

9. What is structured system analysis and design ? Explain the process of SSAD.

**NA-575**

( 2 )

10. (a) What do you mean by Joint Application Design (JAD) ?

(b) What are the various advantages and disadvantages of waterfall model ?

11. Differentiate between :

(i) Direct and Indirect Costs

(ii) Fixed and Variable Costs

(iii) Opportunity and Sunk Costs.

12. (a) Differentiate between PERT and CPM.

(b) Differentiate between project planning and project monitoring.

13. Write short notes on the following :

(i) Decision tree

(ii) Sequence diagram

(iii) Line of code

(iv) Function point metrics

(v) Attribute.

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Total Questions : 13 ]

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**18027**

B.C.A. VIth Semester Examination, May-2019

**INFORMATION SYSTEM ANALYSIS  
DESIGN AND IMPLEMENTATION**

(BCA-602)

**Time : 3 Hrs. ]**

**[ M.M. : 75**

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

**Section-A**

**(Very Short Answer Type Questions) 3x5=15**

**Note :-** Attempt all the *five* questions. Each question carries 3 marks. Very short answer is required not exceeding 75 words.

1. What are the various duties performed by DBA ?
2. What are the feasibility analysis check points in the development cycle ?

**NA-575**

( 1 )

Turn Over

3. Explain various characteristics of a system.
4. State the benefits of E-R diagram.
5. What is project scheduling ?

**Section-B**

**(Short Answer Type Questions) 7½x2=15**

**Note :-** Attempt any *two* questions out of the following three questions. Each question carries 7½ marks. Short answer is required not exceeding 200 words.

6. Explain the SDLC with diagram.
7. Explain the software, product and process quality with example.
8. Describe the key concept of object oriented model.

**Section-C**

**(Long Answer Type Questions) 15x3=45**

**Note :-** Attempt any *three* questions out of the following five questions. Each question carries 15 marks. Answer is required in detail.

9. What is structured system analysis and design ? Explain the process of SSAD.

**NA-575**

( 2 )

10. (a) What do you mean by Joint Application Design (JAD) ?

(b) What are the various advantages and disadvantages of waterfall model ?

11. Differentiate between :

(i) Direct and Indirect Costs

(ii) Fixed and Variable Costs

(iii) Opportunity and Sunk Costs.

12. (a) Differentiate between PERT and CPM.

(b) Differentiate between project planning and project monitoring.

13. Write short notes on the following :

(i) Decision tree

(ii) Sequence diagram

(iii) Line of code

(iv) Function point metrics

(v) Attribute.



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**18029**

**B.C.A. VIth Semester Examination, May-2019**

**KNOWLEDGE MANAGEMENT**

**(BCA-604)**

**Time : 3 Hrs. ]**

**[ M.M. : 75**

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

**Section-A**

**(Very Short Answer Type Questions)**

**Note :- Attempt all five questions. Each question carries 3 marks.**

1. What do you understand by Business Intelligence ?
2. What factors lead do mining of data ?
3. Discuss the different types of Data Warehouse.

**NA-577**

( 1 )

Turn Over

4. How is Groupware Design different from traditional user Interface Design ?
5. Discuss the concept of Business Expert System.

**Section-B**

**(Short Answer Type Questions)**

**Note :- Attempt any two questions. Each question carries 7½ marks.**

6. Examine the key challenges facing the implementation of Knowledge Management.
7. How Data Warehouse differs from Operational Database ? <https://www.ccsustudy.com>
8. Briefly explain the knowledge Discovery Process.

**Section-C**

**(Long Answer Type Questions)**

**Note :- Attempt any three questions. Each question carries 15 marks.**

9. Explain the concept of Data Mining. Describe the architecture of data mining with the neat diagram.

**NA-577**

( 2 )

10. Discuss Data Warehousing. Also explain the data warehouse architecture in detail.
11. Briefly explain the Knowledge Management System Life Cycle.
12. Discuss the Group Decision Support System. Also discuss its components and group decision support tools.
13. Discuss the tools of Data Warehousing.