AB-101

April-2019

BCA, Sem.-IV

CC-211 : E-Commerce

(New Course)

Time : 2:30 Hours]   **[Max. Marks : 70**

1. (A) Answer the following :

      (1) What is E-commerce ? Explain types of e-commerce.   7

      (2) Explain web 2.0 features in brief.   7

                           OR

      (1) Explain about Instant Messaging and Streaming Media.   7

      (2) Explain basic functions of Campus Area Networks.   7

   (B) Answer the following : (Any **four**)   4

      (1) Intranet is a subset of the internet. (True/False)

      (2) Hash function also involve in encryption technique. (True/False)

      (3) What is agent ?

      (4) Encryption involve : (a) Keys (b) cipher text (c) encoding (d) a, b and c

      (5) Internet Backbone means ?

      (6) BSNL is the Internet Service Providers. (True/False)

2. (A) Answer the following :

      (1) Explain about Hacking and Cyber vandalism.   7

      (2) Explain any three malicious in brief.   7

                           OR

      (1) What is Encryption ? Explain any one method of Encryption in brief.   7

      (2) What is difference between spoofing and Sniffing.   7

   (B) Answer the following : (Any **four**)   4

      (1) Cloud Security mean ?

      (2) Plain text converted into cipher text after Encryption. (True/False)

      (3) Insider attacks mean ?

      (4) DoS stand for _____.

      (5) E-business mean ?

      (6) Identity fraud involves the unauthorized use of personal data. (True/False)

3. (A) Answer the following :

    (1) What is a digital wallet ? Explain characteristics of digital wallets.   7

    (2) Explain about wireless payment systems.   7

OR

    (1) What is Auction ? Explain any two Auctions in brief.   7

    (2) What is portal ? Difference between Social networks and Portals.   7

  (B) Answer the following : (Any **three**)   **3**

    (1) SSL stand for _____.

    (2) Define Online security.

    (3) Worm is type of virus. (True/False)

    (4) Social networks involve : (a) a group of people, (b) shared social interaction, (c) common ties (d) All of these

    (5) Auctions are static and dynamic both. (True/False)

4. (A) Answer the following :

    (1) What is online infringement ? Explain.   7

    (2) Explain in brief any four candidate ethical principles.   7

OR

    (1) Explain the difference between Copyrights and patents.   7

    (2) What is ethical dilemmas ? Explain.   7

  (B) Answer the following : (Any **three**)   **3**

    (1) DMCA stand for _____ .

    (2) Dilution means ?

    (3) "Look and feel" concern with : (a) Patent (b) copyright (c) trademark (d) Taxation

    (4) Amazon has E-commerce patent. (True/False)

    (5) What is Framing ?

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AB-101

April-2019

BCA, Sem.-IV

CC-211 : Object Oriented Analysis & Design
(Old Course)

Time : 2:30 Hours]   **[Max. Marks : 70**

1. (A) Answer the following :

     (i)   List and explain the rules for drawing DFD.   7

     (ii)   Explain Feasibility study.   7

                OR

     (i)   Discuss spiral model.   7

     (ii)   List and explain the any two fact finding techniques.   7

   (B) Define the terms : (Any **four** out of **six**)   **4**

     (i)   Open-ended question.

     (ii)   SDLC.

     (iii)   Questionnaire.

     (iv)   Data Store.

     (v)   Context diagram.

     (vi)   Entity.

2. (A) Answer the following :

     (i)   Differentiate between generalization and aggregation.   7

     (ii)   Explain the architecture and component model of OOM.   7

                OR

     (i)   Discuss any five pillars of OOAD.   7

     (ii)   Compare links and association by giving example.   7

   (B) True or False : (Any **four** out of **six**)   **4**

     (i)   Component diagrams are implementation phase diagrams.

     (ii)   Operation is the behaviour of the functions.

     (iii)   Coupling should be always high.

     (iv)   UML stands for unified modified language.

     (v)   Cohesion should be always high.

     (vi)   Generalization is represented by "is-a" relationship.

3. (A) Answer the following :

   (i) Discuss different types of association among the classes. 7

   (ii) Create a list of actors and use-cases in a library system. 7

   OR

   (i) List and explain the elements of class diagram. 7

   (ii) Explain the guidelines for designing object diagram. 7

   (B) Fill in the blanks : (Any **three** out of **five**) 3

   (i) The values of _____ are needed to be captured in object diagram.

   (ii) _____ provides the ability to group together the classes.

   (iii) _____ is an instance of class.

   (iv) A class has _____ number of sections in class diagram.

   (v) A sequence diagram is _____ dimensional in nature.

4. (A) Answer the following :

   (i) Draw a sequence and collaboration diagram for to withdraw money from bank. 7

   (ii) Explain synchronization, Fork and join operations in activity diagram. 7

   OR

   (i) Draw a state chart diagram for capturing the transitions in an ATM machine. 7

   (ii) Discuss the use of combined fragments. 7

   (B) Define the terms : (Any **three** out of **five**) 3

   (i) Self-transition

   (ii) Pseudo-state

   (iii) Life-lines

   (iv) Links

   (v) Bull's eye

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