

Seat No. : _____

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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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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