



JX-774

Seat No. _____

B. C. A. (Sem. IV) Examination

April – 2022

BCA-402 : Building Application Using PHP

(New Course)

Time : **2.30** Hours]

[Total Marks : **70**

- 1 (A) Attempt the followings **6**
- (1) Give the difference between echo and print statement.
 - (2) What is an Array ? Explain types of Arrays in brief.
 - (3) Define Scripting language. Explain server side Vs Client side scripting languages.
- (B) Answer the followings. (Any Two) **12**
- (1) Discuss different form controls with proper example.
 - (2) Explain any five variable functions with syntax and example.
 - (3) Explain file uploading in php with example.
- 2 (A) Attempt the followings **5**
- (1) Explain constructor in brief
 - (2) Define : Inheritance and Abstract Class

- (B) Answer the followings. (Any Two) 12
- (1) How to read and write a file ? Explain it with file handling functions.
 - (2) Explain \$_cookie and \$_session with example.
 - (3) What is exception ? Explain error handling try...catch...Block with example.
- 3 (A) Attempt the followings 6
- (1) Define: SOAP, UDDI
 - (2) Define: mysql and write syntax to connect php-mysql.
 - (3) Which function is used to count return records and to fetch (retrieve) query results ? Write syntax and purpose.
- (B) Answer the followings. (Any Two) 12
- (1) Explain Web Services Model.
 - (2) Explain inserting and updating records into database ? Explain with example.
 - (3) Explain PHP mysql_query() and mysql_result() with example.
- 4 (A) Attempt the followings 5
- (1) What is Joomla ? Explain features of Joomla in brief.
 - (2) What is Template manager ? Explain in brief.
- (B) Answer the followings. (Any Two) 12
- (1) Explain advantages and disadvantages of Joomla CMS.
 - (2) Write steps to create Article and Menu in Joomla.
 - (3) Explain Joomla Architecture.



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April - 2022

Electronic Commerce - 403

(E-Commerce)

(New Course)

Time : Hours]

[Total Marks : 70

1 (a) Do as directed : (any three) 6

- (1) Differentiate: Pure VS Partial E-Commerce.
- (2) Define: E-Commerce.
- (3) Define: B2B, C2C.
- (4) List out Benefits of B2B.

(b) Explain in detail : (any two) 12

- (1) Differentiate: Traditional Commerce VS E-Commerce.
- (2) Explain Advantages and disadvantages of E-Commerce in detail.
- (3) Explain Various Technologies of E-Commerce in detail.

2 (a) Do as directed : (any two) 5

- (1) Define: Firewall.
- (2) Define : SSL, SETP.
- (3) What is IP Security?

- (b) Explain in detail : (any **two**) 12
- (1) Explain Driving Forces of E-Commerce in detail.
 - (2) Explain Various Models of E-Commerce in detail.
 - (3) Explain Electronic Data Interchange (EDI) in detail.
- 3 (a) Attempt any **three** : 6
- (1) Define: EFT.
 - (2) Define: VPN.
 - (3) Define: Computer Threats.
 - (4) Define: E-Wallet.
- (b) Explain in detail : (any **two**) 12
- (1) Explain Various Methods of E-Payments in detail.
 - (2) What is Security in Cyberspace? Explain different kinds of Cybercrime in detail.
 - (3) Explain Payment Gateway in detail.
- 4 (a) Attempt any **two** : 5
- (1) Define: Networking.
 - (2) Define: Intranet.
 - (3) Define: Extranet.
- (b) Explain in detail : (any **two**) 12
- (1) Explain Classification of Networks in detail.
 - (2) Explain Growth and future of M-Commerce.
 - (3) Explain Ethical Issues in E-Commerce.



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B. C. A. (Sem. IV) Examination

April / May - 2022

**Data Mining & Data Warehousing : BCA-404
(New Course)**

Time : 2:30 Hours]

[Total Marks : 70

- 1 (A) Attempt the following : 6**
- (1) What is data mining ?
 - (2) Define the term : Data integration.
 - (3) What is data transformation ?
 - (4) What is the main objective of data mining ?
 - (5) What is data cleansing ?
 - (6) Define the term : Data Summarization.

OR

- (B) Attempt any two : 12**
- (1) Explain data mining process in detail.
 - (2) Write a short note ETL Process (Extract, transform and load)
 - (3) Explain any three application domains of data mining.
- 2 (A) Attempt the following : 5**
- (1) What is data warehouse ?
 - (2) List out the characteristics of data warehouse.
 - (3) What is MDDM ?
 - (4) List out the components of data warehouse architecture.
 - (5) List out three possible approach of Data warehouse.

- (B) Attempt any Two : 12
- (1) Explain Data Warehouse architecture in detail.
 - (2) List and explain characteristics of data warehouse in detail.
 - (3) Write a short note on association rule mining in detail.
- 3 (A) Attempt the following : 6
- (1) What is classification ?
 - (2) Define the term. Cluster analysis
 - (3) What is data prediction in mining ?
 - (4) Full form of DWM _____
 - (5) What is metadata ?
 - (6) List all the source of metadata.
- (B) Attempt any Two : 12
- (1) Explain classification technique of data mining in detail.
 - (2) Write a short note on automatic cluster detection.
 - (3) What is metadata ? Explain types of metadata in detail.
- 4 (A) Attempt the following : 5
- (1) What is spatial data mining ?
 - (2) What is web mining ?
 - (3) Define web structure mining.
 - (4) What is text mining ?
 - (5) Define the term : Multimedia data mining.
- (B) Attempt any two : 12
- (1) Explain web usage mining in detail.
 - (2) Write a short note on web structure mining.
 - (3) Explain trends in data mining in detail.
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