

MARCH -2025 – 1 - 601
B.C.A. Sem. -VI (New Course) Examination
March -2025
Python Programming BCA-601

Total Marks : 70

Time : 2½ Hours

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| Que. 1 | A. Answer the followings.
1. What is interpreter?
2. Why python is called high level language?
3. What is list?
4. What is garbage collection in python?
5. What is PVM?
6. What is indentation in python? | 06 |
| Que. 1 | B. Answer the following. (Any Two)
1. Explain flavors of python in detail.
2. Explain operators in python in detail.
3. Explain data types in python in detail. | 12 |
| Que. 2 | A. Answer the followings.
1. How we can create an array in python?
2. Which keyword is used to use the function in python?
3. What is the use of module in python?
4. List out conditional statements used in python.
5. What is default argument? | 05 |
| Que. 2 | B. Answer the following. (Any Two)
1. Explain functions in python with example in detail.
2. Explain module in python with example in detail.
3. Explain array in python with operations and example in detail. | 12 |
| Que. 3 | A. Answer the following.
1. What is tuple?
2. What is frozenset?
3. What is polymorphism?
4. What is the use of <code>_init_()</code> ?
5. What is encapsulation?
6. What is the use of self parameter? | 06 |
| Que. 3 | B. Answer the following. (Any Two)
1. Explain inheritance with example in detail.
2. Explain list with all operations, methods and example in python.
3. Explain constructor with example in detail. | 12 |
| Que. 4 | A. Answer the following.
1. What is exception?
2. What is MySQL?
3. What is the use of standard library in python?
4. We can not handle any kind of exception in python. (True/ False).
5. What is wildcard in python? | 05 |
| Que. 4 | B. Answer the following. (Any Two)
1. Explain exception and exception handling with example in detail.
2. Explain command line arguments with example in detail.
3. Write a python program to insert row in table in MySQL database. | 12 |
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MARCH -2025 – 1 - 591
B.C.A. Sem. -VI (Old Course) Examination
March -2025
Building Application Using PHP BCA-601

Total Marks : 70

Time : 2½ Hours

- Que. 1 A. Attempt the followings. 06**
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.
- Que. 1 B. Answer the following. (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.
- Que. 2 A. Attempt the followings. 05**
1. Explain constructor in brief.
 2. Define: Inheritance and Abstract class.
- Que. 2 B. Answer the following. (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.
- Que. 3 A. Attempt the following. 06**
1. Define : MySQL.
 2. What is the use of order by clause?
 3. What is Normalization? List its Types.
 4. Write syntax to connect php-mysql.
 5. Define: Join. List the types of Joins.
 6. How to insert record into table? Write MySQL query.
- Que. 3 B. Answer the following. (Any Two) 12**
1. Which function is used to count return records and to fetch (retrieve) query results? Write syntax, purpose and example.
 2. Explain inserting and updating records into database? Explain with example.
 3. Explain PHP mysql_query() and mysql_result() with example.
- Que. 4 A. Attempt the following. 05**
1. What is WSDL?
 2. What is difference between XML and HTML?
 3. What is E-mail?
 4. Write syntax rules for XML documents.
 5. What is UDDI?
- Que. 4 B. Answer the following. (Any Two) 12**
1. What is DTDs? Explain types of DTDs with syntax and example.
 2. Give difference between SAX and DOM.
 3. What is web services? Explain web service Model in detail.
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MARCH -2025 – 1 - 602
B.C.A. Sem. -VI (New Course) Examination
March -2025
Advanced .NET Using C# BCA-602

Total Marks : 70

Time : 2½ Hours

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| Que. 1 | A. Attempt the followings.
1. List out Build-in Directory Structure.
2. Explain Virtual Directory.
3. Discuss : IIS. | 06 |
| Que. 1 | B. Attempt the following. (Any Two)
1. Discuss : Asp.net Page Life Cycle.
2. Write down short note on Global.asax file in detail.
3. Explain Coding Models of Asp.Net. | 12 |
| Que. 2 | A. Attempt the followings.
1. What is AJAX control Toolkit?
2. Discuss : Timer. | 05 |
| Que. 2 | B. Attempt the following. (Any Two)
1. Discuss : AJAX in detail.
2. Differential between Custom control and User-define Control.
3. Describe Update Panel and Update Progress Control. | 12 |
| Que. 3 | A. Answer the following.
1. What is LINQ?
2. Discuss : Breakpoint.
3. List out ASP.NET Inbuilt-Objects. | 06 |
| Que. 3 | B. Attempt the following. (Any Two)
1. What is State Management? Explain Session in detail.
2. Discuss : MVC Architecture.
3. What is Exception Handling? Explain in Detail. | 12 |
| Que. 4 | A. Attempt the following.
1. Explain Data Caching.
2. Discuss: Authorization. | 05 |
| Que. 4 | B. Attempt the following. (Any Two)
1. What is Caching? Explain Output Caching.
2. Discuss : Authentication in detail.
3. Write Short note on RCW. | 12 |
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MARCH -2025 – 1 - 592
B.C.A. Sem. -VI (Old Course) Examination
March -2025
Advance .Net Framework Using C# BCA-602

Total Marks : 70

Time : 2½ Hours

- Que. 1 A. Answer the followings. 06**
1. What is Ajax?
2. Which two properties have to be set to define Range in Rang Validator?
3. What is the of Multi-View Control?
- Que.1 B. Answer the following. (Any Two) 12**
1. Discuss Ad Rotator Control.
2. Discuss Compare Validator with mandatory properties.
3. Explain difference between update panel and update progress control.
- Que. 2 A. Answer the followings. 05**
1. Discuss tree view control in short.
2. What is the purpose of sitemap Control?
- Que. 2 B. Answer the following. (Any Two) 12**
1. Explain Grid View Control with at least Five properties and two event.
2. Explain Menu Control in detail.
3. Different Detail View Vs. Form View. Discuss any one of them.
- Que.3 A. Answer the followings. 06**
1. List out three Common Errors.
2. Discuss type of error in short.
3. What is State Management?
- Que. 3 B. Answer the following. (Any Two) 12**
1. Explain Session with proper example.
2. Explain Custom Cookie in detail.
3. Write a short note on Query String.
- Que. 4 A. Answer the followings. 05**
1. Describe benefits of Caching.
2. Discuss : Security Concept.
- Que.4 B. Answer the following. (Any Two) 12**
1. Explain three tier architecture of client – server environment.
2. Write short note on form base authentication.
3. Explain component based programming.
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