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B.C.A. (Part-II) (Semester-III)
Examination - 2025-26
AEC-BCA-301
(Financial Accounting)

Duration of Examination: 3 Hours

परीक्षा की अवधि: 3 घण्टा

Max. Marks: 70

पूर्णांक: 70

Instructions to the Candidates:

परीक्षार्थी के लिए निर्देश:-

Note:- The question paper is divided into 02 Parts: Part - A & Part-B.

Part-A

Will consist of 10 compulsory questions. Answer to each question shall be limited up to 50 words. Each question will carry 02 marks. Total 20 Marks.

(Marks-10×2=20)

Part-B

Will consist of 10 questions. Student will have to answer 05 questions, selecting At least one questions from each unit. The answer to each question shall be limited to 400 words. Each question carries 10 marks. Total 50 Marks.

(Marks-5×10=50)

Part-A

- Q.1 Define accounting and state any two objectives of accounting.
- Q.2 What is a double - entry system in accounting ?
- Q.3 Differentiate between Journal and Ledger.
- Q.4 What is depreciation ? Name any two methods used for calculating depreciation.
- Q.5 State the main components of financial statement.
- Q.6 What is a computerized accounting system (CAS) ?
- Q.7 Define grouping and codification of accounts in Tally.
- Q.8 Mention any two features of a company in Tally.
- Q.9 What are Vouchers in Tally ? Give two examples.
- Q.10 Write short notes on tally Vault and security controls.

Part- B

Unit-I

- Q.11 Explain the meaning , scope and objectives of accounting. Discuss its limitations.
- Q.12 Describe the various types of ledgers and cashbooks with suitable examples.



- Q.13 Explain the preparation of financial statements Prepare a sample trading and profit & loss account and Balance sheet for a hypothetical firm.

Unit-II

- Q.14 Explain the components and salient features of a computerised accounting system (CAS). Discuss its advantages and limitations.
- Q.15 Describe the process of creating , altering and deleting a company in Tally. Also explain data backup, restore and migration features.
- Q.16 Explain in detail the accounting masters and inventory masters in Tally, with suitable examples for each.

Unit-III

- Q.17 Explain the different types of vouchers available in Tally and describe their uses with examples.
- Q.18 Discuss the technological advantages available in tally such as tally vault, tally audit and company data split.
- Q.19 Explain the process of generating various financial and inventory reports in Tally.
- Q.20 Describe the procedure for preparing and printing reports and cheques in Tally. Explain the role of exception and statutory reports.



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B.C.A. (Part-II) (Semester-III)
Examination - 2025-26
DCC-BCA-302
Computer Networks

Duration of Examination: 3 Hours

परीक्षा की अवधि: 3 घण्टा

355

Max. Marks: 70

पूर्णांक: 70

Instructions to the Candidates:

परीक्षार्थी के लिए निर्देश:-

Note:- The question paper is divided into 02 Parts: Part - A & Part-B.

Part-A

Will consist of 10 compulsory questions. Answer to each question shall be limited up to 50 words. Each question will carry 02 marks. Total 20 Marks.

(Marks-10×2=20)

Part-B

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(Marks-5×10=50)

355

Part-A

- Q.1 Define packet switching in network.
- Q.2 Write any two difference between connection oriented and connection less services.
- Q.3 Define the routing protocols.
- Q.4 Define the class - B subnet.
- Q.5 What is the IPV4 ?
- Q.6 Define bridge and gateways
- Q.7 What is the MAC address?
- Q.8 What do you mean by VPN components ?
- Q.9 Differentiate half and full duplex.
- Q.10 Differentiate between unicast and multicast routing.

Part- B

Unit-I

- Q.11 Assume that in a stop and wait system, the bandwidth of the line is 1 mbps and 1 bit takes 20 milli seconds to a make a round trip. What is the bandwidth - delay product.



Q.12 Define the subnet mask with suitable example and explain the sub netting & problem of class - A and Class - B. 355

Q.13 Explain OSI reference model with neat diagram.

Unit-II

Q.14 Discuss congestion control and flow control mechanism in transport layer.

Q.15 Explain PPP layers & its explanation with suitable example.

Q.16 Describe about IPV4 frame format along with packet switching in details.

Q.17 Explain the VTP purpose in networking and also discuss the mode of operations with suitable example.

Unit-III

Q.18 Explain the finish procedure in NS-2 and describe the invoking external commands within NS-2.

Q.19 Explain the suitable protocol of NS-2 and discuss the significance of trace file in NS-2.

Q.20 How to set topology of networking in NS-2 and solve the problem of packet transmission with suitable example. 355



B.C.A. (Part-II) (Semester-III)
Examination - 2025-26
DCC-BCA-303
(Programming in Java)

Duration of Examination: 3 Hours

परीक्षा की अवधि: 3 घण्टा

Max. Marks: 70

पूर्णांक: 70

Instructions to the Candidates:

परीक्षार्थी के लिए निर्देश:-

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(Marks-10×2=20)

Part-B

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(Marks-5×10=50)

Part-A

- Q.1 What is type casting ? Give an example.
- Q.2 Differentiate between while and do-while loop.
- Q.3 What is a constructor ?
- Q.4 Define an array in Java.
- Q.5 What is the use of the "length" member in array?
- Q.6 What is the method overloading ?
- Q.7 Define inheritance.
- Q.8 What is a package in Java ?
- Q.9 What is thread synchronization in Java ?
- Q.10 What is the difference between wait () and notifyAll () in Java ?



Part- B

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Unit-I

- Q.11 ✓ What are classes and objects ? Explain constructors with suitable programs.
- Q.12 ✓ Explain arrays and multidimensional array in Java with example programmes.
- Q.13 ✓ What are bitwise operators ? Explain with examples.

Unit-II

- Q.14 Explain inheritance in Java. Describe how “super” keyword is used to access superclass members and constructors.
- Q.15 ✓ What is an interface ? Explain how multiple interfaces are implemented in Java with examples.
- Q.16 Write a note on “String Buffer” and “String Builder” with examples.

Unit-III

- Q.17 ✓ What is multithreading ? Explain how to create Threads using “Thread” class and “Runnable” interface.
- Q.18 Explain thread priorities and thread life cycle. Also discuss synchronization.
- Q.19 Explain inter-thread communication using “wait ()“, “notify ()“ and “notifyAll ()” methods with example.
- Q.20 What is static import ? Differentiate between normal import and static import with examples.



B.C.A. (Part-II) (Semester-III)
Examination 2025-26
DCC - BCA-304
(Web Programming)

Duration of Examination: 3 Hours

Max. Marks: 70

परीक्षा की अवधि: 3 घण्टा

पूर्णांक: 70

Instructions to the Candidates:

परीक्षार्थी के लिए निर्देश:-

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(Marks-5×10=50)

Part-A

1. What is an ID selector in CSS ?
2. What is event handler ?
3. Give the advantages of CSS.
4. How do you make a picture into a background image of a web page.
5. Define cellspacing and cellpadding ?
6. List the features of JavaScript ?
7. Explain prompt () , confirm () and alert () functions in JavaScript.
8. How to change the colour of links on a web page ?
9. Justify whether 'JavaScript is case sensitive language or not'.
10. Differentiate between GET and POST methods of form tag.

**Part - B****Unit-I**

11. Write a HTML code to create the time table of a school using table.
12. Design and implement an HTML form to collect user feedback for a website. The form should include fields for : name, email address, overall satisfaction (good, average, poor, excellent), suggestions, how do you hear about us ? (Search engine, social media, friend, other) and a submit button.
13. Explain the concept of nested lists in HTML ? Give suitable example for it.

Unit-II

14. Write a HTML code to create two vertical frames on the first frame make two hyperlinks and on its clicking the source is opened in the second frame.
15. What is an array in JavaScript ? How to create an array object ? Give an example.
16. Write a JavaScript program to compute factorial of a given number.
17. Write a JavaScript program to accept a number from the user. It should display whether the number entered by the user is even or odd.

Unit-III

18. Explain in detail about DOM ?
19. Write a JavaScript function that changes the background colour of an element when a mouse enters it.
20. Write a JavaScript to get the window width and height (any time the window is resized).