

2024

(Session: 2021-24)

(Paper ID: 15009)

Time: 3 hours

Full Marks: 80

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any five questions.

- What is SQL ? What are the two major categories of SQL command ? Example, in detail, by taking one example.
- Explain ten(10) different Aggregate function of SQL.
- What is Subquery ? Explain subqueries with a suitable example.
- What is Data Constraint? Explain different type of constraint.

AE - 9/1

(Turn over)

What is the concept of View ? Explain creating and destroying a view using suitable example. 6. Write the difference between SQL and PL / SQL and also explain PL / SQL generic block. 7. What is a function in PL / SQL ? Explain with advantages, creation, execution, suitable example. Define cursor with its types and attribute. How cursor for loop be used to simplify the processing of cursor. How parameterized cursor works in block? (a) What are built-in functions ? Give example. List and explain Character / String functions applied (any Five) with appropriate example. (b) Explain with examples: Select data within a Range (ii) Null Value 10. What is Procedure in PL / SQL ? Explain with syntax and suitable example. BCA(V) - Rel. Data. (2) AE - 9/1 (1,220) Mgt. Sys. (501) COPYRIGHT RESERVED

BCA(V) — Art. Int. Through Pyth. (502)

2024

(Session: 2021-24)

(Paper ID: 15010)

Time: 3 hours

Full Marks: 80

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any five questions.

- Explain, in detail, about Python Files, its types, functions and operations that can be performed on files with examples.
- What type of Looping is present in a programming language? How many of them are supported in Python? Explain with example.

AE - 10/1

(Tum over)

Explain the following built in function and method with clear syntax, description and illustration: (a) read () (b) file () (c) write () (d) writelines () (e) tell () 4. What is Lambda Function? What are the characteristics of a lambda function? Give an example. 5. (a) What is structured programming in context of Python language? (b) What is Dictionary in Python? Write a program using dictionary. State the various applications of Python. What do you mean by Artificial Intelligence Mention some of the characteristics of Intelligence. Discuss any four application areas of Artificial Intelligence. Write a Python program to multiply two matrices. AE - 10/1 (2)Contd.

- What is pattern matching and searching technique used in Python? Explain with suitable example.
- 10. What is a Supervised Learning in Al? Discuss the types of Supervised Learning. Also explain advantage and disadvantage.

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BCA(V) — Web. Tech. (503)

2024

(Session: 2021-24)

(Paper ID: 15011)

Time: 3 hours

Full Marks: 80

Candidates are required to give their answers in their own words as far as practicable.

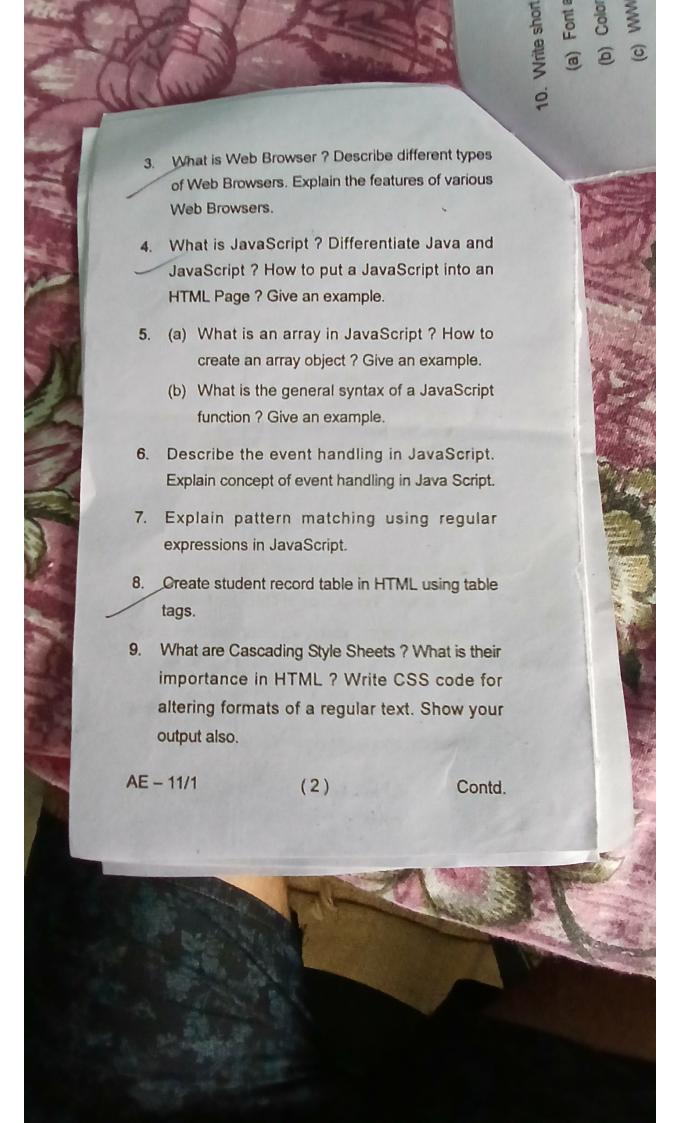
The questions are of equal value.

Answer any five questions.

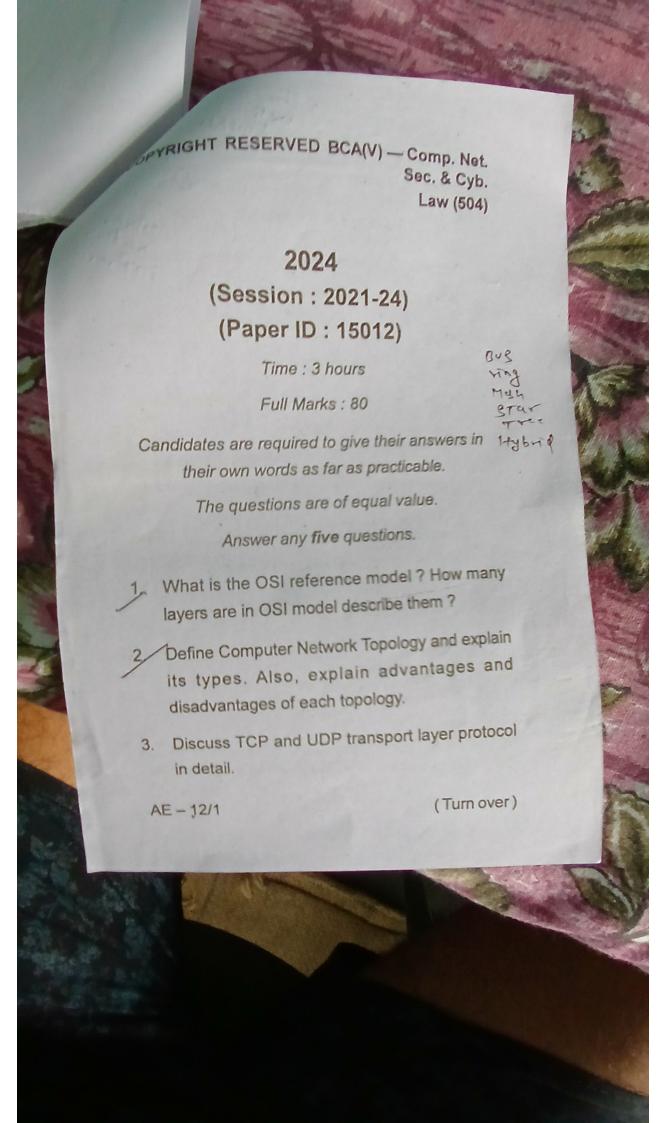
- What are HTML Tags and its types? Write
 the basic syntax of HTML List different
 formating tags. Explain with examples any five of
 them.
 - What is Internet? Write the application of internet.
 Write the short note on domain name server.

AE-11/1 ndbanler

(Turn over)



- 10. Write short notes on any four of the following:
 - (a) Font attributes
 - (b) Color
 - (c) WWW
 - (d) Hyperlinks
 - (e) Web Server



What is Transmission Media? Explain different types of Transmission Media. Explain Message Authentication in detail. 6 Explain Computer Network Architecture Wil advantage and disadvantage. 7. What is Data and Signal ? Differences between Analog and Digital Signals. What is Virtual Circuits? Explain advantage and 8. disadvantage of virtual circuit. 9. What is Network Security? Describe Network Security Model. 10. What is Cyber Security ? How to secure the cyber using security risk analysis? AE - 12/1 (1,220) (2) BCA(V) - Comp. Net. Sec. & Cyb. Law (504)