

2023
(Session : 2020-23)
(Paper ID : 15014)

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.

1. What is local variable in PL / SQL, and how is it declared inside a procedure or function ?
2. How do you create a procedure in PL / SQL and what is its syntax ?
3. When do “BEFORE” and “AFTER” triggers get executed, and what is their difference ?

4. What are Privileges ? Explain different object privileges available in SQL.
5. Explain ten (10) different predefined functions of SQL.
6. What is an RDBMS (Relational Database Management System) ? Explain the key components of an RDBMS.
7. Discuss the control structures in PL / SQL (IF-THEN, FOR LOOP, WHILE LOOP, etc.).
8. What is Locking ? Explain levels of locks in SQL with example.
9. Define Sections or Blocks of PL / SQL programming.
10. How is PL / SQL different from SQL ?



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Answer any five questions.

1. ~~What is Operator in Python ? Explain each type of operator with suitable example.~~
2. What is Typecasting? How do we perform typecasting in Python ? Explain each function used in typecasting with syntax and program.

3. What are conditional statements in Python ? Explain each of them with proper syntax. Write a program to display the result of a student if marks enter by the user.

4. (a) Differentiate between List and Tuple. Explain with an example.

(b) Explain break and continue statement with suitable example.

5. What is Slicing in Python ? Write a program to demonstrate the concept of iterator's slicing.

6. Explain function in Python ? Write a program to generate Fibonacci series of n numbers.

7. What is Eval function in Python ? Write advantages of using eval function. Write a program to evaluate a mathematic expression entered by user using eval function.

8. What is Package Manager in Python ? Write steps to install any external package. And write a simple program to use external package.

9. What are Exceptions ? Explain all statements used in exception handling with proper syntax and example. Write a program to handle exception while typecasting in case of invalid input provided by the user.

10. Write short notes on the following :

- (a) Regex
- (b) Decorators
- (c) Dynamically typed language
- (d) Garbage collector

K.G ACADEMY

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The questions are of equal value.

Answer any five questions.

1. What is Internet ? Explain its advantages, disadvantages and application.
2. What is the role of Web Server ? Explain about Apache and IIS web servers.
3. What is a Frame? Explain < frame > and < frameset > tags with its attributes and examples.
4. Explain the basic table tags with the different attributes with suitable example.

5. Create a document with two links to an external document. The first link should lead to the beginning of the external document. The second link should lead to a particular section in the external document.
6. What is Cascading Style Sheet (CSS) ? Explain any seven types of selector in CSS.
7. What is User defined function ? Explain it with suitable example.
8. Explain paragraph, heading, list and image tags with example.
9. What are Events ? Explain different categories of events in JavaScript.
10. Write short notes on any **four** of the following :
 - (a) Table Tag
 - (b) Home Page
 - (c) Anchor Tag
 - (d) MIME
 - (e) DOM

**BCA(V) — Comp.
Net. Secu. & Cyb.
Law (BC – 504)**

2023

(Session : 2020-23)

(Paper ID : 15017)

Time : 3 hours

Full Marks : 80

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their own words as far as practicable.*

The questions are of equal value.

Answer any five questions.

1. What is Computer Network ? Explain with suitable diagram. Write down the advantages and disadvantages of network.
2. How many layers are in TCP / IP reference model ? Describe them.
3. What is Cellular Network ? How is it different from Wireless Network ?

4. What is Optical Fiber ? What are the advantage and disadvantage of optical fiber ?
5. What is bridge in computer network? Explain with types.
6. What do you mean by IP address ? Explain. Differentiate Classful and Classless IP addressing.
7. Explain the RSA Algorithm.
8. What is Firewall ? Explain the design and goals of firewall.
9. Explain the e-mail security in detail.
10. What is Cyber Crime ? Explain different causes of cyber crime.

