

2020

Time : 3 hours

Full Marks : 100

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, selecting

at least one from each group.

Group – A

1. What is Java ? How Java differs from C++ ? Discuss the features of Java.
2. Define constructor in Java. Is it possible, to overload a constructor ? Justify your answer with suitable example.
3. What is package in Java ? How can you define and implement a package ? Explain with example.

4. Define an applet. How is an Applet different from an application ? Describe the lifecycle of an applet.

Group - B

5. What is E-mail ? What are its advantages and disadvantages ? Discuss various E-mail protocols.

6. Discuss HTML table tag with its all child tags. Write HTML code to draw a HTML table containing records of a student.

7. What are the features of ASP ? How can you access database in ASP ? Explain with example.

Group - C

8. What is threat in network security ? Discuss active attacks and passive attacks.

9. Explain advanced encryption standard (AES) cryptographic technique.

10. Write notes on the following :

- Cryptoanalysis
- Firewall
- Digital signature

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