1487/VI

B. C. A. (Part-III) Examination, 2020

[Sixth Semester]

BCA 601 : ADVANCE NETWORKS AND NETWORK SECURITY

Paper : I

Time : Three Hours]   [Maximum Marks : 70

Note : (i) Answer *five* questions in all.

      (ii) Question No. **1** is *compulsory*.

      (iii) Answer remaining *four* questions, selecting *two* questions from Section **A & B**.

      (iv) All questions carry equal marks.

1. Explain the following :

   (a) IOS versions

   (b) X.509

   (c) Kerberos

   (d) ISO 17799

P. T. O.

SECTION – A

2. What are security services ? How are it implemented in digital format ?

3. What do you understand by router ? Explain internal and external router with their configurations.

4. What are symmetric key ? Explain the cipher round and function of DES or AES.

5. Explain Cisco three layer hierarchical model. What are its benefits ? Explain all layers functions in brief.

SECTION – B

6. (a) Give the configuration of router itself with its interfaces with any routing protocol.

   (b) How middle man attack occurs in Deffie Hellman key exchange ?

7. (a) What is email PGP protocol ? How does it manage to serve its different services ?

(b) Explain the working of Proxy firewall.

8. Differentiate between the following :

(a) IP sec and TLS

(b) Standard Access list and extended Access List

9. Write notes on any *two* of the following :

(a) Computer Virus

(b) Digital Signature

(c) Digital Forensics

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1488/VI

B. C. A. (Part-III) Examination, 2020

[Sixth Semester]

BCA 602 : WEB DEVELOPMENT TOOLS AND TECHNIQUES

Paper : II

Time : Three Hours]　　　　　　　　[Maximum Marks : 70

Note : (i) Answer *five* questions in all.

(ii) Question No. 1 is *compulsory*.

(iii) Answer remaining *four* questions, selecting *two* questions from **A** & **B** each.

(iv) All questions carry equal marks.

1. Answer *all* parts of the following :

   (a) What is Web ?

   (b) What do you mean by Web Browser ?

   (c) Define the term CSS.

   (d) What is the syntax for using PHP ?

P. T. O.

SECTION – A

2. How array is declared in PHP ? What are different types of Arrays in PHP ?

3. What do you mean by Java beans and also write the procedure to initialize the Java bean.

4. What do you mean by ASP and its compatibility ? How ASP differs from HTML ?

5. What is VB script and explain two forms of conditional statements with its syntax and example :

   (i) If..Then..Else
   (ii) Select..Case

SECTION – B

6. (a) How AJAX works ?

   (b) Explain Array object in Java script.

7. (a) What do you mean by HTML and write any two tags of HTML and how is it different from XML ?

(b) What is a Document Type Definition (DTD) ?

8. (a) Write a program in HTML for adding graphics in page.

(b) What do you mean by web team ? What are the types of web team ?

9. Write notes on any *two* of the following :

(a) Protocols

(b) Functions

(c) Event handling

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