Reg. No. : 33220959016

Name : Arhub Rehman B.

Fourth Semester B.C.A. Degree Examination, August 2022

Career Related First Degree Programme under CBCSS

Group 2(b) – Computer Applications

Core Course

CP 1442 : WEB PROGRAMMING AND PYTHON

(2019 Admission Onwards)

Time : 3 Hours   Max. Marks : 80

SECTION – A [Very Short Answer Type]

[One word to maximum of one sentence. Answer **all** questions]

1. —————— tag is used to insert a line-break in HTML.

2. —————— tag is used to create an unordered list in HTML.

3. <input> is an example for —————— tag.

4. —————— tag is used to define options in a drop-down selection list.

5. The output of >>> str1= "python" >>> str1[–1] is ——————.

6. —————— are known as read-only lists.

7. The —————— data structure is an unordered collection of elements which avoid duplicates.

8. The operators *is* and *is not* are known as ———————— operators.

9. The built-in function to add an item to the end of a list is ————————.

10. Let s = [1, 2, 3]. The output of s * 2 = ————————.

<div align="right">(10 × 1 = 10 Marks)</div>

SECTION – B [Short Answer]

[Not exceeding **1** paragraph, answer **any eight** questions. Each question carries **2** marks.

11. What is a Web server?

12. What is the use of <embed> tag?

13. What is POST?

14. What is the purpose of <div> tag?

15. What is the use of <noframes> tag?

16. What is an empty tag? Give example.

17. How will you fetch images to a Web page in HTML?

18. What is the difference between dict.clear() and del dict?

19. Write a Python program to reverse a string.

20. What do you mean by mutable and immutable objects in Python?

21. Mention different types of operators in Python.

22. What is the purpose of pass statement in Python?

23. What are the rules for naming an identifier in Python?

24. What is the purpose of math module in Python?

25. What is the use of update() method in set?

26. How will you insert an item to a dictionary? Give example.

(8 × 2 = 16 Marks)

SECTION – C [Short Essay]

[Not exceeding **120** words, answer **any six** questions. Each question carries 4 marks.

27. Explain the use of image maps.

28. Differentiate relative and absolute URLs.

29. Explain block level elements with an example.

30. Explain how to create tool tips in HTML.

31. Explain the targeting frames.

32. Write an HTML script to create a table with three columns Roll No, Name and Total Marks and two rows for the table.

33. Explain <audio> tag with example.

34. Explain range ( ) function in Python with an example.

35. Explain lambda functions in Python.

36. Explain the string functions strip() and join() in Python with examples.

37. Explain the concept of string slicing with example.

38. Write a Python program to find the biggest of N numbers without reading N.

(6 × 4 = 24 Marks)

SECTION – D [Long Essay]

[Answer **any two** questions. Each question carries **15** marks]

39. Explain the following with examples.

    (a) Frame tags

    (b) Text formatting tags

    (c) Anchor tags

40. Explain the following with examples.

    (a) Marquee tags with its attributes

    (b) Layer tags

    (c) Heading tags

41. Explain various looping statements in Python with example programs.

42. Explain different decision making statements in Python with syntax and examples.

43. Write a Python program to implement the following.

    (a) Recursive function to find factorial of a number

    (b) Bubble sort

44. What do you mean by dictionary? Explain any 5 built-in methods available with dictionaries with examples.

(2 × 15 = 30 Marks)

4

N – 8181