

**B C A DEGREE END SEMESTER EXAMINATION - JULY 2021**  
**SEMESTER 4 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY**  
**COURSE : 19U4CRBCA12 : WEB TECHNOLOGIES**  
(For Regular - 2019 Admission )

Time : Three Hours

Max. Marks: 75

**PART A**

**Answer any 10 (1 marks each)**

1. Code reusability is and advantage of .....
2. Give an example for THIN client?
3. Compiler is a .....
4. Operator overloading is a example of .....
5. .... is a challenge while designing UI
6. .... is a SIM based application.
7. What is the use of <u> tag ?
8. What is the use of <i> tag ?
9. Each machine on the Internet is assigned a unique address called an .....
10. List out the various layers in WAP protocol Stack.

**(1 x 10 = 10)**

**PART B**

**Answer any 8 (2 marks each)**

11. What do you mean by Thin Client?
12. What is fat client application?
13. Write any two examples of C++ compiler.
14. What are the steps invoved in a C++ program?
15. Write about the pros of mobile application development?
16. What is STK?
17. What is a protocol?
18. What is world wide web?
19. What is Sencha touch?
20. Write about emulators (with examples).

**(2 x 8 = 16)**

**PART C**

**Answer any 5 (5 marks each)**

21. Explain type of mobile applications.
22. Explain the key considerations while choosing between fat and thin client.
23. Explain the different type of java compiler.
24. Create a flow chart of programming methodology.
25. Explain the participants involved in the process OTA application provisioning?
26. Explain different forms of input tags.
27. Explain the working of WAP.

**(5 x 5 = 25)**

**PART D**

**Answer any 2 (12 marks each)**

28. Explain the features of OOPs? How mobile applications can be developed using C++?
29. Briefly explain about java programming with its pros and cons.
30. Explain web application architecture?
31. Explain content adaption and adaption strategies?

**(12 x 2 = 24)**