

BCA DEGREE END SEMESTER EXAMINATION - APRIL 2021
SEMESTER 6 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY
COURSE : 16U6CRBCA19 : MOBILE TESTING

(Common for Regular 2018 admission & Supplementary 2017/2016 admissions)

Time : Three Hours

Max. Marks: 75

PART A

Answer All (1 mark each)

1. What is need for software testing?
2. What is bug prevention?
3. What is the significance of @After annotation in JUnit?
4. What is the significance of @Test annotation in JUnit?
5. What is vulnerabiliity scanning?
6. What is risk assessment ?
7. What is the need of using simulators in mobile testing?
8. What are the factors of beta testing?
9. The main component that is used by MonkeyTalk is
10. The Robotium jar file is copied into the folder of the project.

(1 x 10 = 10)

PART B

Answer any 8 (2 marks each)

11. What is the significance of SDLC deployment phase?
12. Explain about the grey box testing.
13. What are JUnit Test Runners?
14. What is the need for testing in mobile application?
15. What are the advantages of using hybrid applications?
16. Describe briefly about test design in Testing lifecycle of mobile application.
17. Describe briefly about final testing phase in Testing lifecycle of mobile application.
18. Write the syntax of using verify commands.
19. What is the process of data driven testing approach in Robotium?
20. What is Main file in Data driven script?

(2 x 8 = 16)

PART C

Answer any 5 (5 marks each)

21. Describe briefly about monkey testing.
22. What is a test plan? Demonstrate a test plan.
23. Describe briefly about JUnit Test Runners.
24. Explain briefly about application testing.
25. Describe about the coordinate based recognition tools in mobile test automation..
26. Describe about data driven testing architecture of Robotium.
27. Explain about Data driven script.

(5 x 5 = 25)

PART D

Answer any 2 (12 marks each)

28. Illustrate the implementation of the testcase with considering a scenario.
29. Describe the types of integration testing in android.
30. Explain in detail about the types of testing in mobile applications.
31. What are the key features and benefits of MonkeyTalk tool? Also describe components of MonkeyTalk that supports Android and iOS platforms.

(12 x 2 = 24)