

**B.C.A. Semester-III (Honours) Examination, 2022-23****BACHELOR OF COMPUTER APPLICATION**

Course ID : 33315

Course Code : BCA/SEC-01

Course Title : Android Programming

**OR****Web programming**

Time : 2 Hours

Full Marks : 50

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.***(Android Programming)****GROUP-A**A. Answer **all** the questions: 1×10=10

1. AVD Stands for \_\_\_\_\_

- a) Android Virtual Devices
- b) Android Video Device
- c) Android Verbal Device
- d) All of the Above
- e) None of these

2. \_\_\_\_\_ Company owns the Android.

- a) Microsoft

- b) Apple
- c) Google
- d) Nokia
- e) None of these

3. OHA Stands for \_\_\_\_\_

- a) Open Handset Alliances
- b) Open Handset Apps
- c) Open Handset Alternative
- d) Open Handset Activated
- e) None of these

4. APK file is found in \_\_\_\_\_

- a) src
- b) bin
- c) libs
- d) res
- e) None of these

5. \_\_\_\_\_ is used to send and receive data in Android Apps.

- a) FTP
- b) SMTP
- c) HTTPS
- d) HTTP
- e) None of these

6. \_\_\_\_\_ is the base class of all services.
- Activity
  - Intent
  - Services
  - All of the Above
  - None of these
7. \_\_\_\_\_ is the IDE for iPhone app development.
- Eclipse
  - Netbeans
  - X-Code
  - All of the Above
  - None of these
8. First Smart Phone running android was
- Nokia One
  - Galaxy R
  - HTC Dream
  - Nexus 3
  - None of these
9. An Activity can be shut down by calling its \_\_\_\_\_ methods.
- onDestory()
  - finishActivity()
  - finished()
  - finish()
  - None of these

10. \_\_\_\_\_ component of Android Runtime is responsible of generating \_\_\_\_\_ file.
- Libraries.apk
  - ApplicationFramework.class
  - DalvikVirtualMachine.class
  - DalvikVirtualMachine.dex
  - None of these

### GROUP-B

- B. Answer any **five** questions: 2×5=10
- Which feature of Honeycomb Android version makes it differ from other Android versions?
  - What is .apk file?
  - What is Canvas?
  - What is Packages?
  - Explain OOP Concept.
  - What is IDE?
  - List the data type in android SQLite.
  - What are the Components inside android SDK?
  - What do you mean by resource?
  - What do you mean by Activity Stack?

### GROUP-C

- C. Answer any **four** questions:  $5 \times 4 = 20$
1. What are the core components under the Android Application Architecture? Explain in detail.
  2. Short Notes: List all the version of Android.
  3. Write a note on Android device available in market.
  4. What is AndroidManifest.xml? Write its usages with an appropriate example.
  5. Explain how to read information from a SQL Databases.
  6. Explain file operation in Android.

### GROUP-D

- D. Answer any **one** question:  $10 \times 1 = 10$
1. Explain in detail about android lifecycle events with a neat figure.
  2. Write a note on Dalvik Virtual Machine component of Android Runtime.

### (Web programming)

### GROUP-A

- Answer **all** the following questions:  $1 \times 10 = 10$
1. What's so great about XML?
    - a) Easy data exchange
    - b) High speed on network

- c) Only (b) is correct
  - d) Both (a) and (b)
  - e) None of these
2. Which is not a property of attribute behaviour of <Marquee> tag?
    - a) Alternate
    - b) Blur
    - c) Scroll
    - d) Slide
    - e) None of these
  3. \_\_\_\_\_ keyword is used to declare variable in java script.
    - a) Var
    - b) Dim
    - c) String
    - d) All of these
    - e) None of these
  4. How can we write comment along with CSS Code?
    - a) /\*a comment\*/
    - b) || a comment||
    - c) / a comment/
    - d) <a comment>
    - e) None of these

5. Which of these tags are all <table> tags?
- <table><head><tfoot>
  - <table><tr><td>
  - <table><tr><tt>
  - <thead><body><tr>
  - None of these
6. How can we write comment along with HTML code?
- #comment
  - <!\_\_\_\_\_comment\_\_\_\_\_>
  - //comment
  - /\*comment\*/
  - None of these
7. The value of 'position' attributes is \_\_\_\_\_
- Fixed
  - Absolute
  - Inherit
  - Relative
  - None of these
8. How will you make all paragraph elements 'RED' in color?
- p.all{color:red;}
  - P.all{color:#990000;}
  - all.p{color:998877;}
  - p{color:red;}
  - None of these
9. \_\_\_\_\_ Selectors, which are used to specify a group of elements
- Id
  - Class
  - Tag
  - Both (a) and (c)
  - None of these
10. Which of the following is the correct way to start an ordered list with the count of numeric value 4?
- <ol type="1" initial="4">
  - <ol type="1" begin="4">
  - <ol type="1" num="4">
  - <ol type="1" start="4">
  - None of these

**GROUP-B**

2. Answer any **five** questions from the followings:

$2 \times 5 = 10$

- i) What are entity references?
- ii) Discuss about comments in HTML.
- iii) State the use of web server logs and list the contents of a message log.
- iv) What are embedded style sheets?
- v) List out some primary CSS text properties.
- vi) Explain Normal Flow Box Layout
- vii) What is a JavaScript statement? Give an example.

**GROUP-C**

3. Answer any **four** questions from the following:

$5 \times 4 = 20$

- i) What are attributes and how do you use them? What are comments used in html?  $2+3=5$
- ii) Explain the layout of html. What are different types of error in JavaScript?  $3+2=5$
- iii) a) Write an HTML table tag sequence that outputs the following:

50 pcs 100 500

10 pcs 5 50

b) What is cell spacing and Cell padding?

$3+2=5$

iv) How can you apply JavaScript to a webpage? What are the different tags to separate section of text?

$3+2=5$

v) Write a JavaScript code for adding new elements dynamically.

vi) What are the disadvantage of inner HTML in JavaScript? How can generic objects be created?

$3+2=5$

**GROUP-D**

4. Answer any **one** question from the following

$10 \times 1 = 10$

- i) a) What are pop up box available in JavaScript?
- b) How to submit a form using JavaScript by clicking a link?  $5+5=10$
- ii) a) Explain XHTML events.
- b) Write a short note on DOM.  $5+5=10$