

B.Sc.(IT) Semester - 6 (CBCS) Examination**March/April -2020****CS-31 MOBILE COMPUTING USING ANDROID (CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Q.1(A) Answer following questions. (04)
- (1) Android belong to
 - (2) OHA stand for
 - (3) Give full name of DDMS.
 - (4) What is emulator?
- Q.1(B) Answer any one (02)
- (1) What is service?
 - (2) Explain R.java file.
- Q.1(C) Answer any one. (03)
- (1) Explain how to create AVD.
 - (2) Explain android manifest file.
- Q.1(D) Answer any one. (05)
- (1) Explain android activity lifecycle with example.
 - (2) What is intent? Explain any one in detail.
- Q.2(A) Answer following questions. (04)
- (1) Can be pressed, or clicked, by the use to perform an action.
 - (2) Margins are the spaces outside the border. True/False.
 - (3) What is Canvas?
 - (4) Which layout specify the location of child objects relative to each other.
- Q.2(B) Answer any one. (02)
- (1) Explain View and View Group.
 - (2) Explain EditText widget.
- Q.2(C) Answer any one. (03)
- (1) Explain RadioGroup with example.
 - (2) Explain dialog with example.
- Q.2(D) Answer any one. (05)
- (1) Explain different layout available in android.
 - (2) Write a program to draw a line on canvas.
- Q.3(A) Answer following questions. (04)
- (1) Is used to get String values from ShredPreferences.
 - (2) Method is used to deleted file.
 - (3) Place the “read position “ on the first entry in the results.
 - (4) Which Storage is not always available?
- Q.3(B) Answer any one. (02)
- (1) Explain different share Preferences mode.
 - (2) Explain different method of data storage in android.
- Q.3(C) Answer any one. (03)
- (1) Explain Applications with Content Providers.
 - (2) Explain SQLite Database.

- Q.3(D) Answer any one. (05)
(1) Write a program to add new record and display all record using ListView.
(2) Write a program to write and read abc.txt file.
- Q.4(A) Answer following questions. (04)
(1) GPS stands for
(2) Android apps use to send and receive data.
(3) Which is return type of latitude method?
(4) Give Full name of LBS.
- Q.4(B) Answer any one. (02)
(1) How to get location using GPS.
(2) Explain Geocoding Locations.
- Q.4(C) Answer any one. (03)
(1) Explain WebView with example.
(2) Explain LocationManager class.
- Q.4(D) Answer any one. (05)
(1) Explain telephony API with example.
(2) Write a program to check internet connection available or not.
- Q.5(A) Answer following questions. (04)
(1) JSON stands for
(2) Which permission requires vibrating the phone?
(3) What is notification?
(4) Which method used to clear notification?
- Q.5(B) Answer any one. (02)
(1) Explain different types of Notification to user.
(2) Write a program to vibrate phone.
- Q.5 (C) Answer any one. (03)
(1) Explain Blinking the lights.
(2) Explain notification with example.
- Q.5(D) Answer any one. (05)
(1) Explain how to publish android app on google play store.
(2) Write a program to demonstrate use of android with JSON and MySQL.
