

M.Sc.(Computer Science) (CBCS Pattern) Fourth Semester CBCS  
**PSCST13 - Android Application Development Paper - I**

P. Pages : 2

Time : Three Hours



**GUG/W/18/11348**

Max. Marks : 80

- Notes :
1. All the questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagrams wherever necessary.
  3. Avoid vague answers and write specific answers to the questions.

**1.** Either:-

- a) What is Android? Explain its platform in detail. 8
- b) Enlist and explain the layers of Android in brief. 8

**OR**

- c) How to map Applications to process? Explain. Also write the steps to create and execute Android Application. 8
- d) Write a brief note on Android Emulator and user Interfaces. 8

**2.** Either:-

- a) Explain Broadcast Receivers in brief with suitable example. 8
- b) Write a brief note on Android's content provider classes. 8

**OR**

- c) Write a program to build Android Application to demonstrate Intents of Android. (Write .xml and .Java coadding) 8
- d) Explain in brief the working with HTTP and web services of Android. 8

**3.** Either:-

- a) How to create Animations with Android's Graphics API? Explain with example. 8
- b) Write a program in Android to demonstrate Video View to run any video. 8

**OR**

- c) Distinguish between Location Manager and Location provider. Write example of any one. 8
- d) How to convert places and Addresses with Decoder? Explain with suitable example. 8

**4.** Either:-

- a) How to use Android to work in a field service Application? Explain with example. 8
- b) How to build Android Application in C? Explain in brief. 8

**OR**

- c) Write a brief note on Android Bluetooth and sensors. **8**
- d) What is NDK? Explain in detail. **8**

**5.** Solve all the questions.

- a) What are the types of Android components? Explain. **4**
- b) How to persist Data to a Database? Explain. **4**
- c) Write a note on Simulating Location Within the Emulator. **4**
- d) What is App Widget? Write its purpose. **4**

\*\*\*\*\*

munotes.in