

SYCS/SEM IV/EXT/Android Application Development

Time: 2½ hrs.

Marks:75

- Note:**
1. All questions are compulsory with internal choice.
 2. Draw neat diagrams wherever necessary.
 3. Figures to the right indicate full marks.

Q.1 Answer the following (any four) (20)

- (a) Write any five kotlin advantages.
- (b) What is class and object write its syntax.Explain it with suitable example.
- (c) Write about collections in kotlin.What are the different types of collections?
- (d) Write short note on operators in kotlin.
- (e) Explain any six features of android studio
- (f) Describe the activity lifecycle of android.

Q.2 Answer the following (any four) (20)

- (a) Write a short note on layout attributes.
- (b) What is intent? Discuss about implicit and explicit intent.
- (c) Write a short note on shared preferences.
- (d) Explain any six android UI controls.
- (e) What are the methods involved in android adapters.
- (f) Discuss about the operations and methods of content provider in android.

Q.3 Answer the following (any four) (20)

- (a) Discuss in detail about animation.
- (b) What is a process? What are the five different states of a process?
- (c) Write a short note on drawable class.
- (d) Write about publishing an app in android studio and write the steps involved in publishing.
- (e) What is versioning? Give its importance
- (f) Explain detail about camera class.

Q.4 Answer the following (any five) (15)

- (a) Describe the architecture of android in detail with the help of a diagram.
- (b) Write the steps to create an android application.
- (c) Discuss on content providers.
- (d) What is Layout? Write any five types of layout in android studio.
- (e) Explain any six camera features.
- (f) Write the steps to keep the device awake.

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