



**DBK-P-5020**

Seat No. \_\_\_\_\_

**M. C. A. (Sem. V) Examination**

**June - 2022**

**P-5020 : Mobile Programming Language**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

**Instruction :** Attempt any five of the following questions.

- 1** (a) Answer the following : **4**
- (1) ADT stands for \_\_\_\_\_.
  - (2) APK file found in \_\_\_\_\_ folder.
  - (3) \_\_\_\_\_ is the extension of android Manifest file.
  - (4) OHA stands for \_\_\_\_\_.
- (b) List out all versions of Android. **2**
- (c) Explain Activity Life Cycle of Android. **3**
- (d) Explain Dynamic fragment in detail. **5**
- 2** (a) Answer the following : **4**
- (1) SDK stands for \_\_\_\_\_.
  - (2) Android Manifest file is used to write permission for developing android application. (True/False)
  - (3) \_\_\_\_\_ was the first smart phone based on Android operating system.
  - (4) AVD stands for \_\_\_\_\_.
- (b) What is Android ? **2**
- (c) How to resolve Intent filter Collision ? **3**
- (d) Explain Android Architecture in detail. **5**
- 3** (a) Answer the following : **4**
- (1) UI stands for \_\_\_\_\_.
  - (2) Android \_\_\_\_\_ layout is used in arranged groups of views into rows and columns.
  - (3) \_\_\_\_\_ element is used to build a row in the Table layout.
  - (4) \_\_\_\_\_ is a view group that aligns all children in a single direction, vertically or horizontally.

- (b) What is Scroll view ? **2**
- (c) Explain Linear Layout. **3**
- (d) How to customize Action items on Action bar. **5**
- 4** (a) Answer the following : **4**
- (1) You can specify the layout direction with the \_\_\_\_\_ attribute.
- (2) \_\_\_\_\_ is a view group that displays child views in relative positions.
- (3) \_\_\_\_\_ is the element present at the top of the activity screen.
- (4) \_\_\_\_\_ is used to display branding logo/icon of the application on action bar.
- (b) What is View ? **2**
- (c) How to control the orientation of the activity ? **3**
- (d) Explain Frame Layout in detail. **5**
- 5** (a) Answer the following : **4**
- (1) \_\_\_\_\_ allow the user to select one option from a set.
- (2) CheckBox class is the subclass of \_\_\_\_\_ class.
- (3) \_\_\_\_\_ is an editable text view which shows a list of suggestions when user starts typing text.
- (4) \_\_\_\_\_ is a view similar to the dropdown list which is used to select one option from the list of options.
- (b) What is Web View ? **2**
- (c) Explain List Fragment. **3**
- (d) Explain Date Picker with example. **5**
- 6** (a) Answer the following : **4**
- (1) \_\_\_\_\_ appears when user press long clicks on the element.
- (2) A \_\_\_\_\_ is a special fragment subclass that is designed for creating and hosting dialogs.
- (3) TimePicker is a user interface control for selecting the time in either 24-hour format or AM/PM mode. (True/False)
- (4) \_\_\_\_\_ allows user to display web pages as a part of your activity layout.

- (b) What is Toggle Button ? 2
- (c) Explain Spinner View. 3
- (d) Explain AutoComplete Text View with example. 5
- 7 (a) Answer the following : 4
- (1) getSharedPreferences() can call from any context in your application. (True/false)
- (2) To create temporary file in internal cache directory create TempFile() is useful. (True/False)
- (3) \_\_\_\_\_ is a default storage stage.
- (4) Full form of SD – Card is \_\_\_\_\_
- (b) What is Private Preference ? 2
- (c) Write a code to save file in Internal Storage. 3
- (d) Explain Shared Preference in detail. 5
- 8 (a) Answer the following : 4
- (1) \_\_\_\_\_ opens or creates a database for reading and writing.
- (2) \_\_\_\_\_ called when the database is opened.
- (3) \_\_\_\_\_ deletes rows from a database table.
- (4) \_\_\_\_\_ executes a single SQL statement that does not return result data.
- (b) Which permission is required for accessing External Storage? 2
- (c) How to modify Preference Value ? 3
- (d) Create an application on a given department table to get user input and store it in application using SQL helper: 5
- Fields like : dept\_id, dept\_nm
- Also perform read operation on the given table.
- 9 (a) Answer the following : 4
- (1) In a JSON file \_\_\_\_\_ represents a JSON array.
- (2) In a JSON file { (curly bracket) represents \_\_\_\_\_.
- (3) API stands for \_\_\_\_\_.
- (4) Full form of LBS is \_\_\_\_\_.
- (b) What is Service ? 2
- (c) How to send SMS to specified contact number using Intent ? 3
- (d) Explain JSON parsing in detail. 5

- 10** (a) Answer the following : **4**
- (1) GPS stands for \_\_\_\_\_.
  - (2) DOM stands for \_\_\_\_\_.
  - (3) XML stands for \_\_\_\_\_.
  - (4) JSON stands for \_\_\_\_\_.
- (b) What is DOM parsing ? **2**
- (c) Write steps to publish Android application. **3**
- (d) Explain different types of Notification with example. **5**
-