

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination
OCT/NOV-2024 (AS PER SYLLABUS YEAR JUNE-2024)
Application Development using FLUTTER (Core (New-23))

Time: 2:30 Hours**Marks: 70****Instructions:**

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

Que.1 (A) Answer following Questions (03)

- 1) Flutter is developed by Company.
- 2) _____ programming language is used with Flutter.
- 3) List out components of Flutter Architecture.

(B) Answer Any Two (06)

- 1) Explain features of Flutter.
- 2) Explain Dart conditional structure with example.
- 3) Explain Dart Data Types.
- 4) Explain how to define class and create an object with example.

(C) Answer Any One (05)

- 1) Explain Flutter Architecture.
- 2) Explain Installation steps for Flutter.

Que.2 (A) Answer following Questions (03)

- 1) _____ is a horizontal bar that is mainly displayed at the top of the Scaffold widget.
- 2) _____ widget does not have build() method. It has createState() method. Stateful Widget.
- 3) List out types of Layout Widgets.

(B) Answer Any Two (06)

- 1) Explain Flutter Scaffold.
- 2) Explain Flutter Gesture System
- 3) Write short note on state management.
- 4) Explain types of Widgets.

(C) Answer Any One (05)

- 1) Write short note on Flutter IDE.
- 2) Explain Flutter Layouts.

Que.3 (A) Answer following Questions (03)

- 1) The _____ widget in Flutter is used to display a scrolling list of widgets.
- 2) _____ widget arranges children in horizontal direction.
- 3) A _____ widget allows to display text in single line.

(B) Answer Any Two (06)

- 1) Explain Buttons with example.
- 2) Explain Drawer with example.
- 3) Explain Flutter Container.
- 4) Explain Slider with example.

(C) Answer Any One (05)

- 1) Explain checkbox, radio button & Lists with example.
- 2) Explain Tab Bar, Navigation Bar and Progress Bar with example.

Que.4 (A) Answer following Questions (03)

- 1) One can use _____ function in the TextFormField to validate the input properties.
- 2) In Radial Hero Animation, _____ widget is used to wrap the hero.
- 3) _____ is very useful in situations where the application's intent is to show endless content in a ListView.

(B) Answer Any Two (06)

- 1) Explain Flutter Themes.
- 2) Explain UI Orientation.
- 3) Explain Hinge Animation.
- 4) Explain Lazy Loader.

(C) Answer Any One (05)

- 1) Write short note on Form validation.
- 2) Write short note on Flutter Gesture.

Que.5 (A) Answer following Questions (03)

- 1) By default _____ creates the file for writing and truncates the file if it already exists
- 2) In Flutter, when working with camera, _____ will find the path to store the images.
- 3) _____ method is used getting all SMS Message in Flutter.

(B) Answer Any Two (06)

- 1) Explain Shared Preferences.
- 2) Explain Camera Access in Flutter.
- 3) Explain background local notification in Flutter.
- 4) Explain HTTP GET Response in Flutter.

(C) Answer Any One (05)

- 1) Write short note on Mail and SMS in Flutter.
- 2) Write short note on how to read and write data on firebase.
