

Pune Vidyarthi Griha's
College of Science and Technology
S.Y.B. Sc (Computer Science) SEM-IV REGULAR AND ATKT FIRST HALF OF
APRIL-2024
SUB: Android Application Development

Q.P CODE: USCS406

(TIME :2 ½ Hrs.)

TOTAL MARKS: 75M

SUB: Advanced Application Development

N.B:-

1. All questions are compulsory.
2. Answers to the same question must be written together.
3. Numbers to the right indicate full marks.
4. Draw neat labeled diagrams wherever necessary.
5. Use of Non-programmable calculators are allowed.

Q.1. Attempt any FOUR of the following.

[20M]

- a. Write a short note on Package.JSON file.
- b. Explain OR Condition in MongoDB with suitable example.
- c. Write a short note on Error handling Techniques of Node JS.
- ~~d.~~ Discuss about HTTP Status Code.
- ~~e.~~ Explain following methods in detail
 - i. Find()
 - ii. Update()
- f. What is Embedded Data Model? Explain with example.

Q.2. Attempt any FOUR of the following.

[20M]

- ~~a.~~ Explain types of angular project file structure.
- b. What is data binding in angular apps?
- ~~c.~~ Explain ng-if directive.
- d. Write a short note on built-in validators.
- e. What is service dependency injection? Explain.
- ~~f.~~ Explain How to read data from a database (AngularJS)?

Q.3. Attempt any FOUR of the following.

[20M]

- ~~a.~~ Why flutter is important? Explain.
- ~~b.~~ Write a short note on dart programming (how to create a variable, how to fire a function).
- c. Define and Explain getter and setter methods from dart.
- d. Write a short note on control flow statements in dart.
- e. Write a program in dart to implement inheritance.
- f. Write a program in dart to implement Constructor Overloading.

Q.4. Attempt any FIVE of the following.

[15M]

- ~~a.~~ What are the advantages of using middleware?
- b. What is Router Level Middleware? Explain.
- c. Explain Email Validator with an example.
- d. Write a program in Express to display "Hello World".
- ~~e.~~ What are dart data types?
- f. Write a program in Node JS to implement simple calculator functions.