

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination**Nov/Dec-2023 (OLD COURSE)****HYBRID MOBILE APPLICATIONS DEVELOPMENT USING WEB TECHNOLOGIES (CORE)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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- Que.1(A) Attempt Following. (04)
1. Full name of npm.
 2. CSS stands for.
 3. What is bootstrap?
 4. What is local storage?
- Que.1(B) Attempt any One. (02)
1. Explain phonegap-cordova.
 2. What is hybrid application??
- Que.1(C) Attempt any One. (03)
1. Explain HTML 5 APIs.
 2. Explain Audio video tags in detail.
- Que.1(D) Attempt Any One. (05)
1. Explain Data storage APIs in detail.
 2. Explain Step by step installation of cordova using git.
- Que.2(A) Attempt Following. (04)
1. What is jquery?
 2. What is angularjs?
 3. MVC stands for
 4. What is \$scope?
- Que.2(B) Attempt any One. (02)
1. Explain Storage on client side.
 2. Explain Angular validation.
- Que.2(C) Attempt any One. (03)
1. Explain Config() and Run().
 2. Explain ui-router in detail.
- Que.2(D) Attempt Any One. (05)
1. Explain \$state, \$stateParams, \$stateProvider with example.
 2. Explain Directives in angularjs in detail.
- Que.3(A) Attempt Following. (04)
1. What is Theme?
 2. What is hybrid mobile application development?
 3. CLI stands for
 4. Full name of http.
- Que.3(B) Attempt any One. (02)
1. Importance of platform for hybrid mobile Application.
 2. What is ngCordova plugins?
- Que.3(C) Attempt any One. (03)
1. Write a step how to creating project in ionic using CLI.
 2. Explain checkbox and drop down Component with example.
- Que.3(D) Attempt Any One. (05)
1. Explain http request and promises in factory with example.
 2. List ionic javascript components. Explain any two in detail.

- Que.4(A) Attempt Following. (04)
1. What is Database?
 2. Full name of JSON.
 3. List CRUD operation.
 4. What is json_encode()?
- Que.4(B) Attempt any One. (02)
1. Explain express-Nodejs.
 2. What is Nodejs?
- Que.4(C) Attempt any One. (03)
1. Explain data communication with JSON.
 2. Write a step to installation of Nodejs.
- Que.4(D) Attempt Any One. (05)
1. Explain Reading JSON as input in detail.
 2. Explain Associative arrays with example.
- Que.5(A) Attempt Following. (04)
1. What is git?
 2. In which store android app publish?
 3. List Basic commands in git?
 4. What is Git branches?
- Que.5(B) Attempt any One. (02)
1. How to Maintaining version of applications using git.
 2. Explain iconic-media, iconic-camera.
- Que.5(C) Attempt any One. (03)
1. Explain git push & pull operations.
 2. Explain Iconic-cordova and iconic-native.
- Que.5(D) Attempt Any One. (05)
1. Write a step how to publish android app on play store.
 2. Explain Basic commands in git in detail.
