

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination**Oct/Nov-2021 (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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- Q.1(A) Answer the following questions. (04)
- (1) What is IONIC?
 - (2) List out Data Storage API
 - (3) full form of CSS
 - (4) full form of LESS
- Q.1(B) Answer the following question. (Any one) (02)
- (1) Which are the tools used to develop hybrid application ?
 - (2) What is Cordova and How it work with hybrid application ?
- Q.1(C) Answer the following question. (Any one) (03)
- (1) What is angular JS ?
 - (2) List out and explain Form Validation
- Q.1(D) Answer the following question. (Any one) (05)
- (1) Write a Program To Save Record in Local Storage
 - (2) Write a Program To Read Record From Local Store
- Q.2(A) Answer the following questions. (04)
- (1) how to create function in javascript
 - (2) Which sign Is used to create function in JQuery
 - (3) Full form of API
 - (4) full form of MVC
- Q.2(B) Answer the following question. (Any one) (02)
- (1) what is the use of ng-model and ng-bind in angularjs
 - (2) what is the role of angular.js into ionic
- Q.2(C) Answers the following question. (Any one) (03)
- (1) Explain angular.js forms
 - (2) List out and explain angular.js forms validation
- Q.2(D) Answer the following question. (Any one) (05)
- (1) write a code to perform TO-Do task application
 - (2) Explain \$state, \$stateParams, \$stateProvider.state()
- Q.3(A) Answer the following questions. (04)
- (1) which command is used to create a blank project in ionic using Command Line
 - (2) which command is used to check the version of ionic using command line
 - (3) in which file ionic control event logic will be define ?
 - (4) list out types of project create in ionic
- Q.3(B) Answer the following question. (Any one) (02)
- (1) Explain Button in ionic with example
 - (2) Explain range in ionic with example

- Q.3(C) Answers the following question. (Any one) (03)
- (1) Step to create Icon & Splash Screen In ionic
 - (2) Explain Following Javascript Component : Action sheet , Model , popover
- Q.3(D) Answer the following question. (Any one) (05)
- (1) Explain SideBox and SideMenu with Suitable Example
 - (2) write a code to populating data into view from controller
- Q.4(A) Answer the following questions. (04)
- (1) _____php function is used to add new element in to array
 - (2) full form of JSON
 - (3) json_encode function is used to convert array into string is it true or false?
 - (4) _____ php function is used to delete element from array
- Q.4(B) Answer the following question. (Any one) (02)
- (1) What is node.js?
 - (2) Step to install node.js
- Q.4(C) Answers the following question. (Any one) (03)
- (1) Explain json_encode and json_decode with suitable example
 - (2) write a code to read JSON data
- Q.4(D) Answer the following question. (Any one) (05)
- (1) write a code to insert a record in mysql using php and display message in json format
 - (2) Explain the Architecture of Nodejs with suitable example
- Q.5(A) Answer the following questions. (04)
- (1) Android application upload in which store?
 - (2) which plugin is used to access camera in ionic?
 - (3) iphone application upload in which store?
 - (4) what is the use of push command in git?
- Q.5(B) Answer the following question. (Any one) (02)
- (1) how to add ionic-native-audio and ionic-media
 - (2) Explain what is git and how it is useful?
- Q.5(C) Answers the following question. (Any one) (03)
- (1) Explain Following Command
 - a) pull b)commit c)branch
 - (2) Explain Following Command
 - a) status b)init c)rollback
- Q.5(D) Answer the following question. (Any one) (05)
- (1) Step to upload android application to play store
 - (2) step to upload i-phone application to app store
