

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination**DEC/JAN.-2020 [OLD COURSE]****HYBRID MOBILE APPLICATIONS DEVELOPMENT USING WEB TECHNOLOGIES (CORE)****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figure to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

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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) Answer 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, \$stateProvider, \$stateProvider.\$state()
- Q.3(A) Answer the following questions. (04)
1. What is the command to create a blank project in ionic using Command Line
 2. What is the command to check the version of cordova 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) Answer 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) Answer 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) Answer 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
