

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination
Oct/Nov. -2019 (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.
-

- Q.1(A) Objective Type Question, Attempt all question: (04)
(1) Give a full form of npm.
(2) Give a full form of CSS.
(3) _____ input type accepts only Numbers.
(4) The _____ attribute specifies that the input field is disabling.
- Q.1(B) Answer in brief : (Any One) (02)
(1) What is Hybrid application?
(2) What is bootstrap?
- Q.1(C) Answer in detail : (Any One) (03)
(1) Explain range and time type with suitable example.
(2) Different between SCSS v/s LESS.
- Q.1(D) Write a note on : (Any One) (05)
(1) Explain Local Strong in HTML5 with suitable example.
(2) Write Steps of installation of Cordova using git and npm.
- Q.2(A) Objective Type Questions, Attempt all questions : (04)
(1) What is jQuery?
(2) Javascript is also called as _____.
(3) Inside which HTML element do we put the JavaScript?
(4) The external JavaScript file must contain the <script> tag.
True or False
- Q.2(B) Answer in brief : (Any One) (02)
(1) What is \$ scope and \$rootScope?
(2) Why AngularJS?
- Q.2(C) Answer in detail:(Any One) (03)
(1) Explain jQuery Selectors.
(2) What Directives in AngularJS? Explain any one with suitable example.
- Q.2(D) Write a note on: (Any One) : (05)
(1) Explain Service AngularJS suitable with suitable example.
(2) Explain ng-submit and user-define directive in AngularJS with suitable example.
- Q.3(A) Objective Type Questions, Attempt all questions : (04)
(1) What is ngCordova?
(2) How do I find ionic version using CLI.
(3) How to run Ionic Program.
(4) Give the name of basic templates using in Ionic?
- Q.3(B) Answer in brief : (Any One) (02)
(1) Explain button ionic component with example.
(2) Explain Ionic colors.

- Q.3(C) Answer in detail : (Any One) (03)
(1) Explain card in Ionic.
(2) Define datetime component in Ionic.
- Q.3(D) Write a note on : (Any One) (05)
(1) Explain http request in factory()
(2) Explain tabs template in Ionic with example.
- Q.4(A) Objective Type Question, Attempt all questions : (04)
(1) Full form of JSON is _____.
(2) Which command is used to run Ionic application in browser?
(3) Nodejs is free to use. True or False?
(4) What is array_search()?
- Q.4(B) Answer in brief : (Any One) (02)
(1) Explain in_array() and array_push().
(2) What is Node.js?
- Q.4(C) Answer in detail: (Any One) (03)
(1) Explain file_get_contents("php://input").
(2) What is express-nodejs? Explain with suitable example.
- Q.4(D) Write a note on: (Any One) : (05)
(1) Write a note on architecture of node.js
(2) Explain how to read JSON as an Input.
- Q.5(A) Objective Type Questions, Attempt all questions : (04)
(1) Which command is used to remove android platform in ionic application?
(2) Which command is used for create a new local repository into git.
(3) Which command is used for commit any files and also any changes into git.
(4) What is git?
- Q.5(B) Answer in brief : (Any One) (02)
(1) Explain branch command in git.
(2) Explain status command in git.
- Q.5(C) Answer in detail : (Any One) (03)
(1) Explain push, pull, and rollback in git.
(2) Explain ionic-InApp browser plugin in detail.
- Q.5(D) Write a note on : (Any One) (05)
(1) Write steps to build android app and publishing it on play store.
(2) Explain ionic-camera with suitable example.
