



P-003-1083001

Seat No. _____

M. Sc. (IT) (Sem. III) (CBCS) Examination

May / June - 2018

**CS - 13 : Hybrid Mobile Applications Development
Using Web Technologies**

Faculty Code : 003

Subject Code : 1083001

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 (a) Objective type questions : 4
- (1) Npm stands for _____.
 - (2) What is bootstrap ?
 - (3) Give one example of <audio> tag.
 - (4) Full form of SAAS is _____.
- (b) Answer in brief : (any **one**) 2
- (1) What is hybrid application ?
 - (2) What is Web sql ?
- (c) Answer in detail : (any **one**) 3
- (1) Explain step by step installation of cordova using git and npm.
 - (2) Explain IndexedDB in detail.
- (d) Write a note on : (any **one**) 5
- (1) Explain Need of hybrid application development.
 - (2) Explain any 2 HTML 5 APIs.
- 2 (a) Objective type questions : 4
- (1) What is jquery ?
 - (2) What is Variable ?
 - (3) Full form of MVC is _____.
 - (4) What is the use of Local Storage in HTML 5 ?

- (b) Answer in brief : (any **one**) **2**
- (1) Define javascript UDF.
 - (2) What is Config() in angularjs.
- (c) Answer in detail : (any **one**) **3**
- (1) Explain \$scope and \$rootScope in angularjs.
 - (2) Describe \$state, \$stateParams, \$stateProvider.stat().
- (d) Write a note on : (any **one**) **5**
- (1) Explain MVC architecture of angularjs.
 - (2) Write a programme to insert data and validate email, mobile and password using jquery with php.
- 3** (a) Objective type questions : **4**
- (1) What is the use of "ionic build" ?
 - (2) Give full form of CLI.
 - (3) What is ngCordova ?
 - (4) What is the difference between Cordova and Ionic ?
- (b) Answer in brief : (any **one**) **2**
- (1) Explain step by step installation of ionic.
 - (2) Explain sidemenu javascript component in short.
- (c) Answer in detail : (any **one**) **3**
- (1) Explain Actionsheet of ionic in detail.
 - (2) What is Icon and Splash Screen in ionic ?
- (d) Write a note on : (any **one**) **5**
- (1) How http request is used to pass user data in ionic app with example ?
 - (2) Describe header and list Component of ionic-1.

- 4 (a) Objective type questions : 4
- (1) What is the use of array_pop() ?
 - (2) Full form of JSON is _____.
 - (3) What is the use of json_encode() ?
 - (4) What is Nodejs ?
- (b) Answer in brief : (any **one**) 2
- (1) Explain Array_push().
 - (2) Describe array_search().
- (c) Answer in detail : (any **one**) 3
- (1) Explain file_get_contents("php://input");
 - (2) Explain json_decode().
- (d) Write a note on : (any **one**) 5
- (1) Write Database connection to MySQL insert and select operation with php.
 - (2) How to Create a server and listen to port in Nodejs? Explain with example.
- 5 (a) Objective type questions : 4
- (1) Which command is used to create file in Git ?
 - (2) Init in Git stands for _____.
 - (3) How to Create branch in Git ?
 - (4) By default Gitbranch is _____.
- (b) Answer in brief : (any **one**) 2
- (1) What is the use of status command of Git ?
 - (2) What is the use of commit command of Git ?
- (c) Answer in detail : (any **one**) 3
- (1) Give steps to Publish application on play store.
 - (2) Explain Push and pull command of Git.
- (d) Write a note on : (any **one**) 5
- (1) Explain ionic- camera.
 - (2) Explain ionic- InApp browser.