

M.Sc. (I.T. & C.A.) Semester - 3 (CBCS) Examination**October/November-2018****Hybrid Mobile Application Development Using Web Technologies.
(CS-13)****Time: 2:30 Hours****Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que-1 (A)	Answer the following questions. 1. Write full form of NPM. 2. Write full form of SCSS. 3. Write full form of CSS. 4. What is IONIC?	(04)
(B)	Answer the following questions. (Any One) 1. What is form Validation? 2. What is Hybrid Application?	(02)
(C)	Answer the following Questions. (Any One) 1. What is Pre-Processing CSS? Why to use Pre-Processing CSS? 2. Explain variable syntax in SASS, LESS, Stylus and CSS.	(03)
(D)	Answer the following questions. (Any One) 1. Explain features of Hybrid application. 2. Explain Data Storage AIPs.	(05)
Que-2 (A)	Answer the following questions. 1. The _____ directive repeats a set of HTML, a given number of times. 2. The ____ directive initializes an AngularJS application. 3. What is JQuery? 4. How we can write NG-APP directive?	(04)
(B)	Answer the following questions. (Any One) 1. How to create function in JavaScript? 2. How variables can be created in JavaScript?	(02)
(C)	Answer the following questions. (Any One) 1. What is config() and run()? 2. What is \$scope and \$rootScope in AngularJS?	(03)
(D)	Answer the following questions. (Any One) 1. Explain MVC architecture of AngularJS. 2. Explain services of AngularJS with example.	(05)
Que-3 (A)	Answer the following questions. 1. Write full form of MVC. 2. Write full form of CLI. 3. The main class for all the bars you might use in your app is _____. 4. We can use _____ class for adding block buttons.	(04)
(B)	Answer the following questions. (Any One) 1. Explain Ionic Colors. 2. What is states hierarchy?	(02)
(C)	Answer the following questions. (Any One) 1. Explain plugins for Ionic. 2. Explain Themes in Ionic.	(03)

(D)	Answer the following questions. (Any One) 1. Explain SlidBox using example. 2. Explain Platform management in Ionic.	(05)
Que-4 (A)	Answer the following questions. 1. What is array_push()? 2. What is array_pop()? 3. Write full form of JSON. 4. Write full form of API.	(04)
(B)	Answer the following questions. (Any One) 1. What is NodeJS? 2. How does data communication and interaction done with client side using JSON?	(02)
(C)	Answer the following questions. (Any One) 1. Explain file_get_contents("php://input"). 2. Explain array_search() and in_array().	(03)
(D)	Answer the following questions. (Any One) 1. Explain architecture of NODE JS. 2. Explain step by step installation of NODE JS.	(05)
Que-5 (A)	Answer the following questions. 1. What is Ionic-Camera? 2. What is commit command in GIT? 3. What is GIT? 4. What is GIT branches?	(04)
(B)	Answer the following questions. (Any One) 1. What is GIT push and pull operations? 2. What is Ionic-Cordova integration?	(02)
(C)	Answer the following questions. (Any One) 1. Explain IOS. 2. Explain importance of GIT in development of applications.	(03)
(D)	Answer the following questions. (Any One) 1. Explain Basic commands of GIT. 2. Explain Ionic-Cordova media using example.	(05)
