

M.Sc.(IT & CA) Semester - 3 (CBCS) Examination**Oct/Nov-2021 (NEW COURSE)****Hybrid Mobile Applications Development Using Web Technologies (Core (New))****Time: 2:30 Hours****Marks: 70****Instructions:**

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

Q.1(A)	Answer following Questions	(03)
	1. Full name of CSS. 2. What is hybrid application? 3. write down command to install cordova using node package manager.	
Q.1(B)	Answer following Questions (Any Two)	(06)
	1. Explain audio tag of HTML5 2. Explain local storage in HTML5 3. Explain CSS in detail. 4. Explain session storage in HTML5	
Q.1(C)	Answer following Question (Any One)	(05)
	1. Explain need of hybrid mobile application development. 2. Explain Indexed DB with suitable example.	
Q.2(A)	Answer following Questions	(03)
	1. What is scope? 2. What is rootscope? 3. what is role of ng-bing?	
Q.2(B)	Answer following Questions (Any Two)	(06)
	1. Explain ng-init with example. 2. What is What is jquery? 3. Explain ng-submit with example. 4. Explain ng-click with example.	
Q.2(C)	Answer following Question (Any One)	(05)
	1. Explain MVC architecture of angularjs. 2. Explain filters in angularjs with example.	
Q.3(A)	Answer following Questions	(03)
	1. CLI stands for..... 2. Write a command to create new project in ionic. 3. Which command used to run ionic application?	
Q.3(B)	Answer following Questions (Any Two)	(06)
	1. Explain Button component of ionic css 2. Explain List component of ionic css 3. Explain ionic colors classes 4. Explain simple grid in ionic css component	
Q.3(C)	Answer following Question (Any One)	(05)
	1. Explain Side Box with suitable example 2. Write a code in ionic which demonstrate population of data into view from controller.	

Q.4(A) Answer following Questions (03)

1. What is node JS?
2. Which function is used to print detail of array in PHP?
3. JSON stands for

Q.4(B) Answer following Questions (Any Two) (06)

1. Explain array_push() function with example.
2. Explain express-Nodejs with example.
3. Explain json_encode and json_decode
4. Explain feature of node JS

Q.4(C) Answer following Question (Any One) (05)

1. Explain nodejs architecture.
2. Write a code to insert record and display record in angularjs using PHP with mysql database

Q.5(A) Answer following Questions (03)

1. Full name of git?
2. In Which Store android application upload?
3. What is commit command in git?

Q.5(B) Answer following Questions (Any Two) (06)

1. Explain ionic native audio plugin
2. Explain Git branches.
3. What is git and how it is usefull in project
4. Explain Git push & pull operations

Q.5 (C) Answer following Question (Any One) (05)

1. Explain basic git commands.
2. Write steps how to publish app on google play store.
