

**Bharati Vidyapeeth  
(Deemed to be University), Pune  
School of Distance Education**

<b>Name of the Assignment Setter:</b>		<b>Dr.K.M.Alaskar</b>			
<b>Course:</b>	<b>MCA</b>	<b>Class:</b>	<b>MCA III</b>	<b>Semester:</b>	<b>SEM-V</b>
<b>Subject:</b>	<b>Hybrid Application Development (Mobile Computing specialization)</b>				
<b>Q.1)</b>	Attempt <b>ANY ONE</b> of the Following <b>(1000 Words)</b>				<b>(10)</b>
<b>a)</b>	What are major Mobile Application Development platform? What are the primary differences between iOS and Android?				
<b>b)</b>	What are possible pitfalls of React Native for Hybrid App development?				
<b>Q.2)</b>	Attempt <b>ANY TWO</b> of the Following <b>(800 Words)</b>				<b>(12)</b>
<b>a)</b>	Describe three top mobile development trends i. Augmented Reality(AR) ii. Artificial Intelligence(AI) iii. Two Factor Authentication(2F)				
<b>b)</b>	What are the categories of Web Applications? Discuss Advantages and Disadvantages of Web Applications.				
<b>c)</b>	What is Native App Development? What are advantages of Native App Development?				
<b>d)</b>	What are Native Modules? Explain when to use Native modules.				
<b>Q.3)</b>	Write Short Notes on <b>(ANY TWO)</b>				<b>(08)</b>
<b>a)</b>	Pros and Cons of Progressive Web Applications(PWA)				
<b>b)</b>	Give non-technical aspects examining Native App vs Web App and Hybrid App development approach.				
<b>c)</b>	Discuss process of preparing Android device to run your React Native Android app.				
<b>d)</b>	Write a note on CameraRoll API.				

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