

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

Name of the Assignment Setter:						Dr. A.B.Nadaf					
Course:		BCA-2018		Class:		III		Semester:		V	
Subject:						(502) Graph Theory					
Q.1) Attempt ANY ONE of the Following (10)											
a)		What is Graph? Explain various types of graphs along with application of graph theory.									
b)		Explain minimum spanning tree with example									
Q.2) Attempt ANY TWO of the Following (12)											
a) What is graph Isomorphism ? Explain with suitable example.State whether following graphs are isomorphic.											
G						H					
b) Represent above graphs G and H (Q 2 a) by using incidence matrix.											
c) Explain Breadth First and Depth First Algorithm											
Q.3) Write Short Notes on (ANY TWO) (08)											
a)		Kongsberg Bridges Problem									
b)		Min max theorem									
c)		Maximum network flow.									

	d)		
