

**St. Mira's College for Girls, Pune**  
**(Autonomous-Affiliated to SavitribaiPhule Pune University)**  
**Class: FYBSC Computer Science**  
**Subject: Graph Theory**  
**Subject Code: BS21503**  
**Semester: II**  
**Year: 2018-19**

1. Unit No.: 2
2. Employability/Entrepreneurship/Skill development  
Skill Development : Problem Solving, computing skills
3. Test on Connected graphs – Connected Graphs - helps in problem solving, decision making

Supplement No. :  
 Roll No. : 5412.

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Find vertex connectivity and edge connectivity

Ans. In the above graph,  
 edge connectivity is 3  
 vertex connectivity is 2

Ans 2

In the above graph, D is a cut vertex

It is eulerian, but not Hamiltonian

Ans 4. The bridges in the graph are  $e_5, e_6, e_7, e_8$



Principal in charge  
 St. Mira's College for Girls

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