

509-1/A
P/C

P.S.SCIENCE & H.D.PATEL ARTS COLLEGE, KADI
INTERNAL EXAMINATION

09/03/2018

B.Sc. Sem - VI
Mathematics 604-A

[Marks 40
[1.45 to 3.45

Que 1: Attempt any two.

- Define incidence & degree.
- Define walk. Give illustration of an Euler graph.
- Define intersection of two graphs with illustration.

Que 2: Attempt any two.

- Define cut set with illustration.
- Explain detection of planarity with illustration.
- Find geometric dual of the complete graph with 4 vertices.

Que 3: Attempt any two.

- Define path matrix. Explain properties of incidence matrix

b) Define acyclic digraph with lustration.

c) Explain chromatic partition.
