

**Mehr Chand Mahajan DAV College for Women, Sector 36 A, Chandigarh**  
**PG Department of Mathematics**  
**E-Content: M.Sc-II Semester - 3<sup>rd</sup> Mathematics (Topology)**  
**(Prepared By: Dr Sonica, Assistant Professor, PG Department of Mathematics)**

**1. Connectedness in topological spaces**

[https://drive.google.com/file/d/1loZzo3EvJIMwLGBXQBlzM3NRibh2dFao/view?usp=share\\_link](https://drive.google.com/file/d/1loZzo3EvJIMwLGBXQBlzM3NRibh2dFao/view?usp=share_link)

**2. Connectedness in real line**

[https://drive.google.com/file/d/1\\_WyTGpvoy0kuqn0Anu4\\_M99iVBPVq-KA/view?usp=share\\_link](https://drive.google.com/file/d/1_WyTGpvoy0kuqn0Anu4_M99iVBPVq-KA/view?usp=share_link)

**3. Path connectedness**

[https://drive.google.com/file/d/1vjMR2mXRqLFTBWocZY4qrwHXIC6TySDI/view?usp=share\\_link](https://drive.google.com/file/d/1vjMR2mXRqLFTBWocZY4qrwHXIC6TySDI/view?usp=share_link)

**4. Compactness**

[https://drive.google.com/file/d/1rS1h0qlyoX71gUGrG6Vcp\\_ujFMX3hnzG/view?usp=share\\_link](https://drive.google.com/file/d/1rS1h0qlyoX71gUGrG6Vcp_ujFMX3hnzG/view?usp=share_link)

**5. One Point Compactification**

[https://drive.google.com/file/d/1ASL6Q2r9JZ0Diso-BtdPJzsI30am45i3/view?usp=share\\_link](https://drive.google.com/file/d/1ASL6Q2r9JZ0Diso-BtdPJzsI30am45i3/view?usp=share_link)

**References**

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2. James Dugundji, *Topology*, UBS Publishers.
3. John L. Kelley, *General Topology (Van Nostrand)*
4. Bourbaki, *General Topology (Reading, Addison-Wesley)*.
5. G.G. Simmons, *Introduction to Topology and Modern Analysis Tokyo, McGraw Hill, Kongakusha*.
6. W.J. Thron, *Topological Structures (N.Y.Holt)*
7. E.T. Copson, *Metric Spaces (Cambridge University Press)*.
8. S. Willord, *General Topology (Addison Wesley Publishing Company)*.