

SNS COLLEGE OF ENGINEERING Kurumbapalayam (Po), Coimbatore – 641 107



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Topic: 2.3 – SERIES OF POSITIVE TERMS

Series of positive Lermy: General properties. 1. convergence of a Series remains unchanged by the replacement, inclusion corr onishion of a finite number of sermi. S. A Servies Lemains convergent, divergent (Or) Oscillatory when each term of it is multiplied by a fixed number other than zero. 3. A serier of positive termy either converges (or) diverges to too., Omibling the negative Eerry, the sum of dirst n Lerms Lends to either a finite limit (01) tou H. Every Smith Series Ma convergent series. Problem: Server of positive term. 1. If all the terms after few negative terms in an indiviti series are positive, such a series is a positive term serier.





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Problem: Service of positive Lerm. 1. If all the terms after few negative Lerms in an infinite services are positive, fuch a Service is a positive term Service. Eq: -10-6-1+5+12+20+... 2. A service of positive termy either Convergen (or) Obverges Lo oo, for the Sum of first in term, onithing the negative term, tends to either a finite finite (or) tol 3. Necurrary Condition for Convergence. If a two term server Zun is Convergent, then find un on but the converse not ture. If find un to, the Server Sun must be divergent.



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