

**ADIKAVI NANNAYA UNIVERSITY :: RAJAMAHENDRAVARAM**  
**B. A. ECONOMICS**

**III Year B. A. Programme (UG) Courses – Under CBCS**  
**Semester – V, Paper – V (Core Paper)**

**Paper V : CONTEMPORARY INDIAN ECONOMY**

**Module I : Economic Development and Problems**

Characteristics of India as a developing economy – Demographic features of India and Andhra Pradesh - Trends in Indian National Income and GSDP in A.P – Magnitudes, Reasons and Remedials of Poverty, Un-employment and Occupation structure in India and A.P.

**Module II : Structure of Indian Economic Planning**

Objectives and achievements of planning in India – current five year plan –Balanced Regional Development - NITI Ayog – Major schemes of rural and urban development with particular reference to Andhra Pradesh- Gross Enrolment and drop out rates in Education in India and A.P - Sarva Siksha Abhiyan - Skill Development Mission - Rural and Urban health missions in India and A.P. – Social security schemes – women empowerment – DWACRA groups in A.P – Tourism and Government policy measures

**Module III : Agricultural Sector in India and A.P.,**

Land use and cropping pattern in India and A.P – Land Reforms in India and A.P.- Importance of Agriculture sector – Post Green Revolution Strategies – Drip Irrigation and Organic Farming – Importance of Horticulture, Dairy, Poultry and Fisheries in Rural Economy – Agricultural price policy and minimum support prices – Food security – agricultural exports – Agricultural credit system-Micro finance - Agricultural Insurance.

**Module IV: Industrial sector in India and A.P.**

Industrial Policies, 1956 and 1991 – Industrial policy of Andhra Pradesh - Make-in India – Manufacturing policy – industrial corridors and SEZs.

**Module V: Public Finance in India and A.P.**

Tax Reforms and GST – Tax Revenue and its devolution to states –Public debt and its magnitude in India and A.P – Foreign Direct Investment – India's Balance of Payments Status - Brief outline of Globalization and their impact on Indian economy.

**Note : More emphasis on all topics should be with reference to their current status. Discussion of theoretical aspects is not expected. Not more than brief mention of the genesis of any problem or theme is to be expected.**

- 1 Dhingra, I.C - "Indian Economy", Sultan Chand, 2014.
2. Ruddar Dutt and K.P.M. Sundaram - "Indian Economy", S.Chand & Co., 2015.
3. S.K.Misra & V,K,Puri - "Indian Economy", Himalaya Publishing House, 2015.
4. Reserve Bank of India - Hand book of Statistics on Indian Economy (Latest).
5. R.S.Rao, V.Hanumantha Rao & N.Venu Gopal (Ed) - Fifty Years of Andhra Pradesh (1956-2006), Centre for Documentation, Research and Communications, Hyderabad, 2007.
6. G.Omkarnath - Economics - A Primer for India - Orient Blackswan, 2012.
- 7.Telugu Academy Publications.
8. Economic Surveys, govt. of India
9. Socio-economic surveys of Andhra Pradesh 3

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Semester – V

Paper – VI (Core Paper)

PAPER VI : QUANTITATIVE TECHNIQUES

(Mathematical derivations and proofs are not required. Only applications)

**Quantitative Methods**

**Unit- I: Introduction** - Meaning – definition – functions- importance and limitations of statistics – collection of data – primary and secondary data- schedule and questionnaire – frequency distribution – tabulation – diagram and graphic presentation of data( one dimensional and frequency curves ).

**Unit – II: Measures of Central Tendency** - Definition, objectives and characteristics of measures of central tendency – types of averages- arithmetic mean, geometric mean, harmonic mean – median – mode – quartiles – deciles – percentiles – properties of averages and their applications.

**Unit – III: Measures of Dispersion** - Objectives of dispersions, range, quartile deviation, mean deviation, standard deviation- coefficient of variation.

**Unit – IV: Measures of Correlation and Regression-** Meaning, definition and use of correlation- types of correlation- Karl Pearson's correlation coefficient- Spearman's rank correlation- Measures of Regression - probable error- meaning, utility of regression analysis- comparison between correlation and regression.

**Unit – V: Matrix:** Definition – examples- types of matrices – matrix addition – multiplication – determinant of matrices – minors – co-factors – inverse of a matrix.

**References:**

1. Sivayya K.V and Satya Rao, **Business Mathematics** , Saradhi Publications Guntur
2. Sancheti and Kapoor VK, **Business Mathematics**, Sulthan Chand & Sons, New Delhi
3. D.N Elhance , **Fundamentals of Statistics** , Kithab Mahal, Allahabad
4. Guptha SC, **Fundamentals of Business Statistics**, Sulthan Chand, New Delhi
5. Aggarwal, **Business Statistics**, Kalyani Publishers Hyderabad Reddy CR, Business Statistics, Deep & Deep Publications ,
6. S.P. Gupta & V.K Kapoor- "Fundamentals of Mathematical Statistics", S.Chand & Co., 2014