



RAMAIAH
Pre-University College

1ST PREPARATORY EXAM II PUC DECEMBER - 2019

DATE	DAYS	TIME	SCIENCE	COMMERCE	STRUCTURED REVISION TIME
16/12/2019	MONDAY	8.30 AM TO 11.45 AM	PHYSICS	BASIC MATHS / STATISTICS / HISTORY	12.00 PM TO 3.30 PM
17/12/2019	TUESDAY	8.30 AM TO 11.45 AM	LANGUAGE	LANGUAGE	12.00 PM TO 3.30 PM
18/12/2019	WEDNESDAY	8.30 AM TO 11.45 AM	CHEMISTRY	BUSINESS STUDIES	12.00 PM TO 3.30 PM
19/12/2019	THURSDAY	8.30 AM TO 11.45 AM	ENGLISH	ENGLISH	12.00 PM TO 3.30 PM
20/12/2019	FRIDAY	8.30 AM TO 11.45 AM	MATHEMATICS	ACCOUNTANCY	12.00 PM TO 3.30 PM
21/12/2019	SATURDAY	8.30 AM TO 11.45 AM	BIOLOGY / ELECTRONICS / COMPUTER SCIENCE	ECONOMICS / COMPUTER SCIENCE	12.00 PM TO 3.30 PM

EXAM TEAM

Laksh. R.
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PRINCIPAL
20/12/19

II PUC SCIENCE SYLLABUS FOR PREPARATORY EXAM-I

Sl.No	Subject	Marks	Syllabus
1	Physics	70	1) Electric Charges and Fields. 2) Electrostatic Potential and Capacitance. 3) Current Electricity. 4) Moving charges and Magnetism. 5) Magnetism and Matter. 6) Electro-Magnetic Induction. 7) Alternating Current. 8) Electro-Magnetic Waves. 9) Ray Optics and Optical Instruments. 10) Dual Nature of Radiation and Maths. 11) Atoms.
2	Chemistry	70	Solid State, Solutions, Chemical Kinetics, surface Chemistry, Isolation of Elements 'd' and 'f' Block Elements, Co-ordination Compounds, Haloalkanes and Haloarene, Alcohol, Phenol and Ethers, Amines, Polymers.
3	Maths	100	1) Relations and Functions. 2) Inverse Trigonometric Functions. 3) Matrices. 4) Determinants. 5) Continuity and Differentiability. 6) Applications of Derivatives. 7) Differential Equations. 8) Vector Algebra. 9) Indefinite Integrals (Till Ex 7.7) 10) Three Dimensional Geometry. 11) Linear Programming.
4	Biology	70	1) Reproduction in Organisms. 2) Sexual Reproduction in Flowering Plants. 3) Human Reproduction. 4) Reproductive Health. 5) Principles of Inheritance. 6) Molecular Basis of Inheritance. 7) Evolution. 8) Human Health and Disease. 9) Strategies for Enhancement in Food Production. 10) Biodiversity and Conservation. 11) Environmental Issues.
5	Electronics	70	1) Field effect Transistor. 2) BJT Biasing. 3) Transistor Amplifiers. 4) Feedback in Amplifiers. 5) Operational Amplifiers. 6) Oscillators. 7) Modulation & Demodulation. 8) Digital Electronics. 9) Microcontroller.
6	Computer Science	70	Typical Configuration of Computer System, Boolean Algebra, Logic Gates, Data Structures, OOP Concepts, Classes and Objects, Inheritance, Networking Concepts, Web Designing.
7	English	100	Full Syllabus (Literature and Grammar)

II PUC COMMERCE SYLLABUS FOR PREPARATORY EXAM-I

Sl.No	Subject	Marks	Syllabus
1	History	100	Full Syllabus
2	Basic Maths	100	1) Matrices and Determinants. 2) Permutations and Combinations. 3) Probability. 4) Binomial Theorem. 5) Partial Fractions. 6) Mathematical Logic. 7) Ratios and Proportions. 8) Learning Curve. 9) Linear Programming Problems. 10) Circles. 11) Limits and Continuity of a Function. 12) Differential Calculus.
3	Statistics	100	1) Vital Statistics. 2) Index Numbers. 3) Time Series. 4) Interpolation & Extrapolation. 5) Theoretical Distribution. a) Binomial Distribution. b) Poisson Distribution. c) Normal Distribution. 6) Operation Research. a) LPP b) Game Theory. c) Transportation Problems. d) Replacement Theory. e) Inventory Theory. 7) x ² - Independence of Alternates.
4	Computer Science	70	Typical Configuration of Computer System, Boolean Algebra, Logic Gates, Data Structures, OOP Concepts, Classes and Objects, Inheritance, Networking Concepts, Web Designing.
5	Economics	100	1) Micro Economics a) Chapter 1 - Introduction, Theory of Consumer Behaviour, Production and Cost the Theory of the Firm under perfect Competition. b) Chapter 5 - Market Equilibrium. c) Chapter 6 - Non-Competitive Market. 2) Macro Economics a) Introduction, National Income, Money and Banking, Income & Employment, Government Budget, Open Economy.
6	Business Studies	100	Nature and Significance of Management, Principles of Management, Planning, Organising, staffing, Directing, Financial Management, Financial Market, Marketing, Consumer Protection.
7	Accountancy	100	Complete Syllabus - 100%
8	English	100	Full Syllabus (Literature and Grammar)

EXAM TEAM

(1) *Laksh. R. 28/11/19*

(2) *[Signature]*
28-11-2019

[Signature]
PRINCIPAL
28/11/19