

S.Y.J.C. SCIENCE
FIRST TERMINAL EXAMINATION, OCTOBER-2022

PHYSICS

SYLLABUS:

1) Rotational dynamics, 2) Mechanical Properties of fluids, 3) Superposition of waves, 4) Kinetic theory of gases, 5) Wave optics 6) Semiconductors 7) Electrostatics 8) Current Electricity

PAPER PATTERN:

MCQ, Very short answers, Short answers 1, Short answers 2, Long answers

CHEMISTRY

SYLLABUS

1) Halogen derivative 2) Alcohol, phenol, ether 3) thermodynamics 4) Ionic equilibria 5) solid state 6) solutions 7) Electrochemistry 8) chemical kinetics

PAPER PATTERN

As per Board pattern

MATHEMATICS

SYLLABUS

Paper-I: 1) Logic 2) Matrices 3) Trigo functions 4) Vectors

Paper-II: 1) Differentiation 2) Indefinite Integration ex 3.1, 3.2(A), 3.2(B) 3) Probability Distributions 4) Binomial Distributions

PAPER PATTERN

Section-A: Q1. MCQ (i)-(v) 10marks Q2. Answer the following questions (i)-(iv) 4marks

Section-B: Attempt any 8 Q.(3)-(12) 16marks

Section-C: Attempt any 4 Q.(13)-(18) 12marks

Section-D: Attempt any 2 Q.(19)-(21) 8marks

BIOLOGY

SYLLABUS

1. Reproduction in lower and higher plants. 2. Reproduction in lower and higher animals (up to Fertilization). 3. Inheritance and Variation. – Monohybrid & Dihybrid Cross. 4. Molecular basis of Inheritance. 8. Respiration and Circulation. 9. Control and Co-ordination a) Nervous Co-ordination (upto brain) b) Chemical Co-ordination (Only Pituitary Gland) 10. Human health and diseases

PAPER PATTERN

MCQ - 7Marks, One Sentence Answer- 7 Marks, 2Marks Questions 16 Marks, 3 Marks Questions 12 marks, 4 Marks Questions- 8 marks

INFORMATION TECHNOLOGY

SYLLABUS

1. Advanced Web Designing, 2. Search Engine optimization, 3. Client Side Scripting

PAPER PATTERN

30 marks objective, 20marks subjective

COMPUTER SCIENCE - I

SYLLABUS

Html, C++

PAPER PATTERN

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COMPUTER SCIENCE - II

SYLLABUS

Lesson 1- Introduction to microprocessor 8085 2) Lesson 2- Intruction set & programming 3) Lesson 5 - Networking Technology

PAPER PATTERN

1- 5 question. 10 marks each. Q1 to Q4- Theory (10 marks each) Q5- programs (10 marks)

ENGLISH

SYLLABUS

Prose 1.1, 1.2, 1.3, 1.4 Poems 2.1, 2.2, 2.3, 2.4 Novel 4.1, 4.2 writing skills virtual message, mind mapping, Appeal and interview Questions

PAPER PATTERN

Activity based Board pattern

HINDI

SYLLABUS

गद्य: पाठ २,४,६ और ८

पद्य: पाठ १,३,५ (अ, आ) और ७

विशेष अध्ययन: पाठ १३

व्यवहारिक हिंदी: पाठ १४ और १५

पारिभाषिक शब्दावली

व्याकरण: अलंकार, रस, कालपरिवर्तन

PAPER PATTERN

गद्य विभाग

कृति १ अ: परिच्छेद अंक ६

आ: प्रश्न (१/२) अंक ३

इ: साहित्य संबंधी प्रश्न (२/४) अंक २

पद्य विभाग

कृति २ अ: पद्यांश अंक ६

आ: रसास्वादन अंक ६

इ: साहित्य संबंधी प्रश्न (१/२) अंक १

विशेष अध्ययन

कृति ३ अ: पद्यांश अंक ६

आ: लघुत्तरी प्रश्न (१/२) अंक ४

व्यवहारिक हिंदी/पारिभाषिक शब्दावली

कृति ४ अ: प्रश्न अथवा परिच्छेद अंक ६

आ: पारिभाषिक शब्दावली अंक (४/८) अंक ४

व्याकरण

कृति ५ अ: अलंकार अंक २

आ: रस अंक २

इ: काल परिवर्तन अंक २

MARATHI

SYLLABUS

PROSE 1 & 10 POEM 4, 6,7 & 11 - KATHA SAHITYA PRAKAR, UPYOJIT MULAKHAT MAHITIPATRAK, GRAMMER ALL

PAPER PATTERN

Prose 12 poem 12 katha 4 upyojit 10 grammer 12

SANSKRIT

SYLLABUS

PAPER PATTERN