

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

**PHYSICS**

**SYLLABUS:**

Units and Measurements 2) Mathematical Methods 3) Optics 4) Electric current through Conductors

**PAPER PATTERN:**

MCQ, Very short answers, short answers 1, short answers 2, long answers

**CHEMISTRY**

**SYLLABUS**

Basic principles of organic chemistry 2) Hydrocarbon up to alkane 3) Introduction to analytical chemistry 4) chemical equilibrium till types of equilibrium 5) Some basic concepts of chemistry up to mole

**PAPER PATTERN**

As per Board pattern

**MATHEMATICS**

**SYLLABUS**

Paper-I: 1) Angle & its measurements 2) Trigonometry-I 3) Determinants

Paper-II: 1) Complex Numbers 2) Sequence & series 3) Functions

**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**

4) Kingdom Animalia (up to Phylum- Platyhelminthes) 6) Biomolecules – (Carbohydrates, proteins and lipids). 7) Cell division. 9) Morphology of flowering plants. (Only Root and Stem and Leaf Morphology and Modifications). 10) Animal tissue – (up to epithelial tissue and Cell Junctions) 14) Human nutrition – (up to Alimentary Canal and digestive glands).

**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. Introduction, 2. Impressive web design 3. MsOffice

**PAPER PATTERN**

Objective 35, subjective 15

**COMPUTER SCIENCE - I**

**SYLLABUS**

Lesson 1 - Number system 2) Networking

**PAPER PATTERN**

1) Fill in the blanks - 5 mks 2) short note - 15 mks 3) Do as directed - 30 mks

**COMPUTER SCIENCE - II**

**SYLLABUS**

Peripheral devices, Flow charts, logic gates

**PAPER PATTERN**

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**ENGLISH**

**SYLLABUS**

Prose 1.2 poem 2.1 writing skills E-mail, Interview Drama section: Page numbers 128, 129, 130, 134

**PAPER PATTERN**

Activity based pattern

## **HINDI**

### **SYLLABUS**

गद्य: पाठ २ , ४ और ६

पद्य: पाठ १, ३ और ५(अ, आ)

व्यवहारिक हिंदी: पाठ १४ पारिभाषिक शब्दावली

### **PAPER PATTERN**

गद्य विभाग

कृति १ अ: परिच्छेद अंक ६

आ: परिच्छेद अंक ६

इ: लघुतरी प्रश्न (२/३) अंक ६

ई: साहित्य संबंधी प्रश्न (२/४) अंक २

पद्य विभाग

कृति २ अ: पद्यांश अंक ६

आ: पद्यांश अंक ६

इ: रसास्वादन अंक ६

ई: साहित्य संबंधी प्रश्न (२/४) अंक २

व्यवहारिक हिंदी/पारिभाषिक शब्दावली

कृति ३ अ: परिच्छेद अंक ६

आ: पारिभाषिक शब्दावली अंक (४/८) अंक ४

## **MARATHI**

### **SYLLABUS**

Prose 1 , 9 POEM 6, 12 , SUNDAR MI HONAR, SUTRASANCHALAN, MUDRIT SHODHAN, ANUVAD, GRAMMER

### **PAPER PATTERN**

Prose marks 12, POEM marks 12, SUNDAR MI HONAR marks 6, SUTRASANCHALAN, MUDRIT SHODHAN, ANUVAD Marks 10, GRAMMER 10

## **SANSKRIT**

### **SYLLABUS**

### **PAPER PATTERN**