

JAC

JAC 10th Board Exam

SYLLABUS & EXAM PATTERN

2026 – 27

Jharkhand Academic Council (JAC), Ranchi

A complete subject-wise reference covering Mathematics, Science, Social Science, English, Hindi & Sanskrit — syllabus units, question-paper design, marking scheme and preparation tips for Class 10 (Matric) students.

Theory + Internal	Pass Marks	Medium
80 + 20 = 100 marks	33% (overall & subject-wise)	Hindi & English

IMPORTANT: The official JAC syllabus and exam pattern for the 2026–27 session for all subjects is published on the official Jharkhand Academic Council website — jac.jharkhand.gov.in (also mirrored at jacexamportal.in). This document has been compiled from publicly available exam-prep sources for quick student reference and closely follows the pattern used in recent JAC Matric examinations. Students must cross-check chapter-wise details against the official PDF before finalising their preparation.

1. Board Exam Overview

The Jharkhand Academic Council (JAC), Ranchi conducts the Class 10 (Secondary/Matric) Board Examination for schools affiliated to the Jharkhand board. The syllabus is designed by JCERT (Jharkhand Council of Educational Research and Training) largely on the lines of the NCERT curriculum, so students can rely on standard NCERT textbooks for preparation.

Particular	Details
Conducting Body	Jharkhand Academic Council (JAC), Ranchi
Class	10th / Secondary / Matriculation
Curriculum Basis	JCERT syllabus, aligned with NCERT
Total Marks per Subject	100 (80 Theory + 20 Internal Assessment / Practical)
Minimum Passing Marks	33% in each subject and in aggregate
Question Paper Medium	Bilingual – Hindi and English
Core Subjects	Mathematics, Science, Social Science, English, Hindi (A/B), Sanskrit / Urdu / other language
Official Websites	jac.jharkhand.gov.in jacexamportal.in jacresults.com

How to Access the Official 2026-27 Syllabus

- Visit jac.jharkhand.gov.in and open the “Others” menu, then click on “Syllabus”.
- Select Secondary (Class 10) syllabus to view subject-wise PDFs for 2026-27.
- The official document lists newly added topics, deleted topics, unit weightage and the marking scheme.
- JCERT also releases 5 sets of model question papers around 45 days before the board exam – use these for practice.

2. JAC 10th Exam Pattern 2026-27

Every theory subject in the JAC Class 10 exam is set for 80 marks, with 20 marks reserved for internal assessment / practical work at the school level, taking the subject total to 100 marks. Most subjects (Mathematics, Science, Social Science, Hindi A/B) follow the same four-section design shown below; English follows a slightly different, skill-based structure.

General Pattern – Mathematics, Science, Social Science & Hindi

Section	Question Type	Composition	Marks
A	Objective / Multiple Choice Questions	30 Qs × 1 mark	30
B	Very Short Answer Type	6 Qs × 2 marks	12
C	Short Answer Type	6 Qs × 3 marks	18
D	Long Answer Type	4 Qs × 5 marks	20
	Theory Total	52 questions	80
	Internal Assessment / Practical	–	20
	GRAND TOTAL	–	100

Note: Internal choice is generally available within Sections B, C and D. All questions in Section A (objective) are compulsory.

English – Question Paper Design

Question Nos.	Section	Composition	Marks
Q1–Q30	Multiple Choice Questions	30 × 1	30
Q31–Q38	Very Short Answer Questions	6 × 2*	12
Q39–Q41	Writing Section (letter/paragraph/composition)	2 × 5	10
Q42–Q44	Grammar + Literature (short)	3 × 3	9
Q45–Q49	Literature Section	3 × 3	9
Q50–Q52	Literature Section (long)	2 × 5	10
	Theory Total	52 questions	80
	Internal Assessment	–	20
	GRAND TOTAL	–	100

Social Science – Section Distribution

Social Science combines four disciplines, each carrying equal (20-mark) weightage within the 80-mark theory paper, spread across 52 questions in both Hindi and English medium.

Discipline	Marks
History	20
Political Science (Civics)	20
Geography	20
Economics	20

Discipline	Marks
Theory Total	80

3. Subject-wise Syllabus 2026-27

3.1 Mathematics

Term 1 Units	Term 2 Units
Real Numbers	Quadratic Equations
Polynomials	Coordinate Geometry
Pair of Linear Equations in Two Variables	Introduction to Trigonometry
Arithmetic Progressions	Some Applications of Trigonometry
Triangles	Constructions
Circles	Surface Areas and Volumes
Areas Related to Circles	Statistics
	Probability

Exam design: 30 MCQs (1 mark), 6 VSA (2 marks), 6 SA (3 marks), 4 LA (5 marks) = 80 marks theory + 20 marks internal assessment. Internal choice is offered in Sections B, C and D.

3.2 Science (Physics, Chemistry & Biology)

Science is a combined 80-mark paper drawing from three streams that students will study separately from Class 11 onwards.

Stream	Key Units / Chapters
Chemistry	Chemical Reactions and Equations; Acids, Bases and Salts; Metals and Non-metals; Carbon and its Compounds; Periodic Classification of Elements
Biology	Life Processes; Control and Coordination; How do Organisms Reproduce?; Heredity and Evolution; Our Environment
Physics	Light – Reflection and Refraction; The Human Eye and the Colourful World; Electricity; Magnetic Effects of Electric Current; Sources of Energy

Practical/Internal Assessment (20 marks) evaluates lab activities, project work and viva-voce based on prescribed experiments in each stream.

3.3 Social Science

Divided into four disciplines – History, Political Science (Civics), Geography and Economics – each carrying 20 marks.

Discipline	Key Units / Chapters
History	Nationalism in India; The Making of a Global World; The Age of Industrialisation; Print Culture and the Modern World
Political Science	Power-sharing; Federalism; Democracy and Diversity; Political Parties; Outcomes of Democracy; Challenges to Democracy
Geography	Resources and Development; Forest and Wildlife Resources; Water Resources; Agriculture; Minerals and Energy Resources; Manufacturing Industries; Lifelines of National Economy
Economics	Development; Sectors of the Indian Economy; Money and Credit; Globalisation and the Indian Economy; Consumer Rights

3.4 English

The English course combines prescribed literature (prose & poetry), a supplementary reader, grammar and writing skills.

Component	Topics Covered
Literature Reader (Prose)	A Letter to God; Nelson Mandela: Long Walk to Freedom; Two Stories about Flying; From the Diary of Anne Frank; The Hundred Dresses (I & II); Glimpses of India; Madam Rides the Bus; The Sermon at Benaras; The Proposal
Literature Reader (Poetry)	Dust of Snow; Fire and Ice; A Tiger in the Zoo; How to Tell Wild Animals; Amanda!; Fog; The Tale of Custard the Dragon; For Anne Gregory; Animals
Supplementary Reader (Footprints without Feet)	A Triumph of Surgery; The Thief's Story; Footprints without Feet; The Making of a Scientist; The Necklace; Bholi; The Book That Saved the Earth
Writing Skills	Formal & Informal Letter Writing; Paragraph Writing; Analytical Composition
Grammar	Tense & Sequence of Tense; Modals; Non-Finite Verbs; Clauses; Active-Passive Voice; Direct-Indirect Speech; Transformation of Sentences
Reading Skills	Seen & Unseen Passages (Factual and Discursive)

3.5 Hindi (Course A & Course B)

Hindi A and Hindi B follow the same 80 + 20 marking scheme and question design (Sections A–D as in the general pattern). The course covers a prescribed anthology of gadya (prose) and padya (poetry), a supplementary reader, vyakaran (grammar) and rachna (composition/letter writing).

- Gadya Khand (Prose) – prescribed chapters from the JCERT/NCERT Hindi textbook
- Padya Khand (Poetry) – prescribed poems for recitation and analysis
- Vyakaran (Grammar) – sandhi, samas, alankar, ras, muhavare, vaakya rachna
- Rachna (Composition) – patra lekhan (letter writing), nibandh (essay), anuchchhed lekhan

3.6 Sanskrit / Urdu / Other Third Language

Students opting for Sanskrit, Urdu or another third language follow the same 100-mark (80 theory + 20 internal) structure, covering prescribed gadya-padya passages, shabd-roop/dhatu-roop or equivalent grammar, and translation exercises as per the JCERT syllabus for that language.

4. Preparation Tips

- Start with the JAC 10th time table and build a subject-wise study plan that gives every subject adequate time, since each subject must individually clear the 33% pass mark.
- Prioritise high-weightage units first – e.g. Trigonometry & Statistics in Maths, or Life Processes & Electricity in Science – before moving to shorter topics.
- Rely on NCERT textbooks as the primary source, since JCERT's syllabus is aligned with them.
- Solve at least the last 5 years of JAC previous year question papers to understand recurring question patterns and difficulty level.
- Practice with the 5 official JCERT model question paper sets released closer to the exam.
- Revise each subject at least two to three times before the exam, leaving the final week for quick revision and formula/diagram practice rather than new topics.
- For Science and Social Science, practise labelled diagrams and map work regularly – these carry dedicated marks in most years.

Disclaimer: This document is a compiled study reference based on publicly available JAC exam-prep resources (including Shiksha.com and Careers360) reflecting the JAC Class 10 syllabus and pattern used in recent sessions. For the authoritative, legally valid 2026-27 syllabus, marking scheme and any mid-year revisions, always refer to the official PDF published at jac.jharkhand.gov.in.