

ST. JOSEPH'S GIRLS' COLLEGE, PRAYAGRAJ
SYLLABUS 2024-2025
CLASS 12

SUBJECT	TERM	SYLLABUS
ENGLISH LITERATURE	UNIT-1	Chapter 11-Telephone Conversation (Poems), Chapter 11-Atithi/ Guest (Short Stories)
	HALF-YEARLY	SHORT STORIES- Chapter 11-Atithi/ Guest, Chapter 12- The Cookie Lady, Chapter 13- There will Come Soft Rains, Chapter 14- Indigo Chapter 15- The Medicine Bag POEMS- Chapter 11-Telephone Conversation, Chapter 12-Tithonus, Chapter 13- Beethoven, Chapter 14-Small Towns and the River, Chapter 15- Death Be Not Proud PLAY- Macbeth-Act III, IV, V
	UNIT-2	Chapter 13-Beethoven(Poems), Chapter 12-The Cookie Lady (Short Stories)
	PRE-BOARD EXAM	SHORT STORIES- Chapter 11-Atithi/ Guest, Chapter 12- The Cookie Lady, Chapter 13- There will Come Soft Rains, Chapter 14- Indigo, Chapter 15- The Medicine Bag POEMS- Chapter 11-Telephone Conversation, Chapter 12-Tithonus, Chapter 13- Beethoven, Chapter 14-Small Towns and the River, Chapter 15- Death Be Not Proud PLAY- Macbeth-Act III, IV, V PROJECT Writing Skill
ENGLISH LANGUAGE	UNIT-1	Comprehension
	HALF-YEARLY	(Full Syllabus) Transformation of Sentences, Composition, Comprehension, Prepositions, Correct Form of Verbs, Directed Writing- (Article, Book Review, Speech, Statement of Purpose) Proposal Writing
	UNIT-2	Transformation of Sentences, Prepositions, Correct Form of Verbs, Proposal Writing
	PRE-BOARD EXAM	(Full Syllabus) Transformation of Sentences, Composition, Comprehension, Prepositions, Correct Form of Verbs, Directed Writing- (Article, Book Review, Speech, Statement of Purpose) Proposal Writing PROJECTS- AURAL & ORAL SKILLS
MATHS	UNIT-1	Chapters: 1. Relations, 2. Functions, 3. Binary Operations
	HALF-YEARLY	1. Relations, 2. Functions, 3. Binary Operations, 4. Inverse Trigonometric Functions, 5. Determinants, 6. Matrices, 7. Continuity and Differentiability of Functions, 8. Differentiation 9. Indeterminate forms of limits, 10. Mean value theorems, 11. Application of derivatives, 12. Maxima and minima, 13. Indefinite integral, 14. Indefinite integral 2, 15. Indefinite integral, 16. Definite integrals, 17. Differential equations, 21. Vectors, 22. Vectors (Continued)
	UNIT-2	13. Indefinite Integral 1, 14 Indefinite Integral 2, 15. Indefinite Integral 3
	PRE-BOARD	All chapters from 1 to 25.

	EXAM	1. Relations, 2. Functions, 3.Binary Operations, 4.Inverse Trigonometric Functions, 5.Determinants, 6.Matrices, 7.Continuity and Differentiability of Functions, 8.Differentiation, 9.Indeterminate forms of limits, 10.Mean value theorems, 11. Application of derivatives, 11.Maxima and minima Indefinite integral 1. Indefinite integral 2 2.Indefinite integral 3, 3. Definite integrals, 4. Differential equations 5.Probability, 6.Bayes's Theorem, 7.Theoretical Probability Distribution, 8. Vectors, 9.Vectors (Continued), 10. Three Dimensional Geometry, 11.The Plane, 12.Application of Integrals Project No.1: Using a graph, (i) demonstrate a function which is one-one but not onto. (ii) Demonstrate a function which is invertible. Project No.2: Using Vector algebra, prove formulae of compound angles, e.g. $\sin(A+B)=\sin A \cos B + \sin B \cos A$, etc.
HINDI	UNIT-1	1 गद्य संकलन:पाठ-7-क्या निराशहुआजाय?, काव्य मंजरी-पाठ-7जागतुझकोदूरजाना। वाक्यों का शुद्धीकरण एवं मुहावरे।
	HALF-YEARLY	Full syllabus गद्य-पाठ 1पुत्रप्रेम2-गौरी 3-शरणागत 4-सती 5-आउट साइडर 6-दासी 7-क्या निराशहुआजाय8-भक्तिन 9-संस्कृति क्या है? 10-मजबूरी। काव्यमंजरी-1-साखी2-बाललीला 3-एक फूलकीचाह4-आ: धरतीकितनादेती है।5-नदी केद्वीप 6-तुलसीदास केपद7-जाग तुझकोदूरजाना है8-उद्यमी नर9-बादल कोघिरतेदेखा है।10-अँधेरे कादीपक।नाटक-आषाढ का एक दिन (पूरा),निबंध, मुहावरे एवं वाक्यों का शुद्धीकरण।
	UNIT-2	गद्यसंकलन-पाठ-8-भक्तिन, काव्यमंजरीपाठ8-उद्यमी नर
	PRE-BOARD EXAM	गद्य-पाठ 1पुत्रप्रेम2-गौरी 3-शरणागत 4-सती 5-आउट साइडर 6-दासी 7-क्या निराशहुआजाय 8-भक्तिन 9-संस्कृति क्या है? 10-मजबूरी। काव्यमंजरी-1-साखी 2-बाललीला 3-एक फूलकीचाह 4-आ: धरतीकितनादेती है। 5-नदी केद्वीप 6-तुलसीदास केपद 7-जाग तुझकोदूरजाना है 8-उद्यमी नर 9-बादल कोघिरतेदेखा है। 10-अँधेरे कादीपक।नाटक-आषाढ का एक दिन (पूरा),निबंध, मुहावरे एवं वाक्यों का शुद्धीकरण।
PHYSICS	UNIT-1	Electrostatics Chapter 1.Electric field & charge 2. Gauss theorem
	HALF-YEARLY	Unit -2 Current Electricity Unit-3 Magnetic effect of current & Magnetism Unit-4 EMI & AC Unit-5. EM waves
	UNIT-2	Electrostatics Chapter 3.Electric Potential Chapter 4. Capacitance
	PRE-BOARD EXAM	Full Syllabus (From unit 1-9) Unit1. Electrostatics Unit-2 Current Electricity Unit-3 Magnetic effect of current & Magnetism Unit-4 EMI & AC Unit-5.EM waves Unit 6. Optics Unit-7 Dual Nature of Radiation Unit 8. Atom & Nuclei Unit 9. Electronic Devices
CHEMISTRY	UNIT-1	Chapter 6 (Haloalkanes and Haloarenes)
	HALF-YEARLY	Ch 1- Solutions, Ch 2- Electrochemistry, Ch 3- Chemical Kinetics, Ch 4- d and f block elements, Ch 5- Coordination Compounds, Ch 6- Haloalkanes and Haloarenes Ch 7- Alcohols, Phenols and Ethers, Ch 8- Aldehydes, Ketones and Carboxylic Acids
	UNIT-2	Chapter 7(Alcohols, Phenols and Ethers), Chapter 8 (Aldehydes, Ketones and Carboxylic Acids)
	PRE-BOARD EXAM	Full Syllabus Ch 1- Solutions, Ch 2- Electrochemistry, Ch 3- Chemical Kinetics, Ch 4- d and f block elements, Ch 5- Coordination Compounds, Ch 6- Haloalkanes and Haloarenes, Ch 7- Alcohols, Phenols and Ethers,

		Ch 8- Aldehydes, Ketones and Carboxylic Acids Ch 9- Organic Compounds containing Nitrogen, Ch 10- Biomolecules PROJECTWORK AND PRACTICAL FILE Project Work 1- 15 (Any One) Practical Work (Experiment 1-7) With Complete Practical File
BIOLOGY	UNIT-1	Ch -1Sexual reproduction in flowering plants, Ch -2Reproductive health
	HALF-YEARLY	Unit -1 1.Sexual reproduction in flowering plants 2.Human reproduction 3.Reproductive health Unit -2 4.Principles of inheritance and variation 5.Molecular basis of inheritance 6.Evolution, Unit-3 7.Human health and diseases 8.Microbes in human welfare Unit-4 9.Biotechnology principles and processes 10.Biotechnology and its application Project work Practical file
	UNIT-2	Ch -3Human reproduction, Ch -4.Principles of inheritance and variation
	PRE-BOARD EXAM	Unit -1 1.Sexual reproduction in flowering plants 2.Human reproduction 3.Reproductive health Unit -2 4.Principles of inheritance and variation 5.Molecular basis of inheritance 6.Evolution, Unit-3 7.Human health and diseases 8.Microbes in human welfare Unit-4 9.Biotechnology principles and processes 10.Biotechnology and its application Unit 5 11.Organisms and population 12.Ecosystem 13.Biodiversity and its conservation Project work Practical file
VALUE EDUCATION	HALF-YEARLY	Full Syllabus Ch 1. Building Your character Ch.2 Healthy Relationships Ch.3 Overcoming loneliness Ch.4 Recognising depression Ch.5 Dealing with discouragement Ch.6- Stop worrying Ch.7 Beating alcoholism Ch.8 HIV aids awareness Ch.9 Dignity of work Ch. 10 Spirit of tolerance Ch.11 Setting priorities Ch. 12 Making a difference
PHYSICAL EDUCATION	UNIT-1	Section A Ch-1 Sociology Aspects of Physical Education Ch-2 Training Methods. Section B Badminton
	HALF-YEARLY	Chapter-section A 1 to 6 Chapter section B 2, 3, 4, 5, 8
	UNIT-2	Section A Ch – 3 Career Aspects in Physical Education Ch – 4 Competition and Tournament Ch – 5 Health Education and Health Problems Ch – 6 Sports Injuries and First Aid Section B Cricket / Athletics/ tennis
	PRE-BOARD EXAM	Ch1to 6 section A Ch 2,3,4,5,8 section B
S. U. P. W	HALF-YEARLY	Basic Craft Flower Pounding/ Plant bashing on T- Shirt. Embroidery on a table cloth. Decorating mud vessels with clay and mirrors. Dustbin from old bucket
	PRE-BOARD EXAM	Prepare two patch work cushion covers. Glass painting on piece of glass or bottle. Fresh flowers arrangement. Preparation of different types of salads. <u>Project Work</u> Choose a social Work of your choice and prepare a report in about 100-150 words along with pictures. Make a project file on traditional arts of India.