



**M.G.M HIGHER SECONDARY SCHOOL, BOKARO**  
**SYLLABUS BREAK-UP FOR THE YEAR : 2023 - 2024**

**CLASS – XII**

**SUBJECT: ACCOUNTANCY**

Month	Week	CBSE UNITS	TOPICS
March	Third (15 to 18)  Fourth (20 to 25)  Fifth (27 to 31)	Unit :2	<b>Accounting for Companies (Only Companies)</b> Accounting for Share Capital :- a) Features and types of Companies b) Share and Share Capital:: Nature and types c) Accounting for Share Capital : Issue and allotment of Equity Share Capital & Preference Shares Capital Issue of share capital at par Disclosure in Balance Sheet Issue of share capital at premium Disclosure in Balance Sheet
April	Second (3 to 5)  Third (10 to 15)  Fourth (17 to 22)  (24 to 29)		Issue of share capital for consideration other than cash Disclosure in Balance Sheet Calls in advance : Journal Entries Disclosure in Balance Sheet Calls in arrears : Journal Entries Disclosure in Balance Sheet Fofeiture and reissue of shares :- a) Shares which were originally issued at par Journal Entries Disclosure in Balance Sheet Fofeiture and reissue of shares :- b) Shares which were originally issued at a Premium Journal Entries Disclosure in Balance Sheet Fofeiture and reissue of shares which were issued on pro-rata allotment (Shares originally issued at par) Journal Entries Disclosure in Balance Sheet
May	First (1 to 6)  Second (8 to 13)		Pro-rata allotment of shares Fofeiture and reissue of shares which were issued on pro-rata allotment (Shares originally issued at a premium) Journal Entries Disclosure in Balance Sheet e) Private Placement of shares
June	Fourth (19 to 24)	Unit :5	f) Employee Stock Option Plan (ESOP) g) Sweat Equity <b>Cash Flow Statement</b> a) Cash Flow Statement : Meaning and nature b) Types of Activities : Cash flow from Operating Activities Cash flow from Investing Activities Cash flow from Financing Activities

	Fifth (26 to 30)		<p>c) Preparation of Cash Flow Statements as per Accounting Standards No.3 (Revised)</p> <p>d) Adjustments in Cash Flow Statements :</p> <ol style="list-style-type: none"> <li>1 Depreciation</li> <li>2 Interest on Debentures / Loans / Public Deposits</li> <li>3 Income tax</li> <li>4 Proposed Dividend/ Interim Dividend</li> <li>5 Treatment of Bank Overdraft and Current Investments</li> </ol>
July	<p>Second (3 to 7)</p> <p>Third (10 to 14)</p> <p>Fourth (17 to 21)</p> <p>Fifth (24 to 28)</p>	<b>Unit :1</b>	<p><b>Accounting for Partnership Firms</b></p> <p><b>1 Fundamentals of Partnership</b> Partnership : Meaning, nature and features. Types of partnership firms and types of partners Accounts of Partnership Firms : Capital Accounts : Fixed capital and Fluctuating capital, Profit &amp; Loss Appropriation Account Interest on capital and Interest on drawings, Salary/ Commission to partner etc Guarantee to a partner and Past adjustments</p> <p><b>2 Reconstitution of Partnership</b></p> <p><b>a) Change in Profit Sharing Ratio</b> Calculation of Gaining ratio, Sacrificing ratio Adjustment of Goodwill Revaluation of Assets and Liabilities Distribution of accumulated profits and losses Capital adjustments</p> <p><b>b) Admission of a Partner</b> Adjustment of Goodwill Revaluation of Assets and Liabilities Distribution of accumulated profits and losses Capital adjustments</p>
August	<p>First (1 to 4)</p> <p>Second (7 to 12)</p> <p>Third (14 to 19)</p> <p>Fourth (21 to 28)</p>		<p><b>c) Retirement of a Partner</b> Adjustment of Goodwill Revaluation of Assets and Liabilities Distribution of accumulated profits and losses Capital adjustments</p> <p><b>d) Death of a Partner</b> Adjustment of Goodwill Revaluation of Assets and Liabilities Distribution of accumulated profits and losses Distribution of profit for unexpired period</p> <p><b>Dissolution of Partnership</b> Meaning of dissolution of partnership and partnership firm Types of Dissolution, Settlement of Accounts Realisation Account, Preparation of Capital Accounts and Cash Account / Bank Account Treatment of tangible assets and intangible assets, when realisation value is not available.</p>

September	Second (4 to 8)	<b>Unit :4</b>	<b>Analysis of Financial Statements</b> 1 Financial Statements : Meaning, nature and objectives, significance and limitations 2 Tools and techniques for Financial Statements: Cash Flow Statements Ratio analysis 3 Comparative Statements : Meaning, nature, objectives and preparation 4 Common Size Statements : Meaning, nature, objectives and preparation 5 Accounting Ratios : Meaning, nature, objectives and types of ratios. a) Liquidity ratios : Current ratio and Quick ratio b) Solvency ratios : Debt to Equity Ratio, Total Assets to Debt Ratio, ProprietaryRatio, Interest Coverage and Debt to Capital Employed Ratio
	Third (11 to 15)		
<b>October</b>	First (3 to 6)	<b>Unit :2</b>	c) Activity Ratios : Inventory Turnover Ratio, Working Capital Turnover Ratio, Receivable Turnover Ratio, Payable Turnover Ratio, Fixed Assets Turnover Ratio and Net Assets Turnover Ratio. d) Profitability Ratios : Gross Profit Ratio, Net Profit Ratio, Operating Ratio Operating Profit Ratio, Return on Investments (RoI) <b>Accounting for Companies (Debentures only)</b> <b>1 Debentures</b> Meaning, nature and types of debentures Issue at par, at a premium and at a discount Issue of debentures for consideration other than cash Issue of debentures on the basis of redemption Issue of debentures as Collateral Security Writing off Discount/ Loss on issue of debentures
	Second (9 to 13)		

	<b>TOPICS</b>	<b>PERIODS</b>	<b>MARKS</b>
1	Accounting for Partnership Firms	106	36
2	Accounting for Companies	45	24
3	Analysis of Financial Statements	30	12
4	Cash Flow Statements	20	8
	<b>Total</b>	201	80

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**M.G.M HIGHER SECONDARY SCHOOL, BOKARO**  
**SYLLABUS BREAK-UP FOR THE YEAR : 2023 - 2024**  
**CLASS – XII**  
**SUBJECT: APPLIED MATHEMATICS**

MONTH	WEEK	UNIT NO.	CHAPTER/TOPIC
<b>MARCH</b>	3 <sup>RD</sup>	1	<b>NUMBERS, QUANTIFICATION AND NUMERICAL APPLICATIONS</b>
	4 <sup>TH</sup>		<ul style="list-style-type: none"> <li>● Modulo Arithmetic</li> <li>● Simple Arithmetic Functions</li> <li>● Allegation and Mixture</li> </ul>
<b>APRIL</b>	1 <sup>ST</sup>		<ul style="list-style-type: none"> <li>● Boats and streams</li> <li>● Pipes and Cistern</li> <li>● Races and games</li> </ul>
	2 <sup>ND</sup>		<ul style="list-style-type: none"> <li>● Partnership</li> <li>● Scheduling</li> <li>● Numerical Inequalities</li> </ul>
	3 <sup>RD</sup>	<b>ALGEBRA</b>	
	4 <sup>TH</sup>	<ul style="list-style-type: none"> <li>● Matrices</li> <li>● Operation of matrices</li> <li>● Determinant</li> <li>● Inverse of a matrix</li> <li>● Solving system of simultaneous equations using matrix method</li> <li>● Cramer's rule and row reduction method.</li> <li>● Simple applications of matrices and determinants including Leontiff input output Model for two Variables.</li> </ul>	
<b>MAY</b>	1 <sup>ST</sup>	3	<b>CALCULUS</b>
	2 <sup>ND</sup>		<ul style="list-style-type: none"> <li>● Differentiation and its application (Higher order derivative)</li> <li>● Application of derivative (Rate of change, tangent and Normal )</li> </ul>
<b>JUNE</b>	3 <sup>RD</sup>		<ul style="list-style-type: none"> <li>● Marginal cost and marginal revenue using derivatives,</li> <li>● Increasing / Decreasing of functions</li> </ul>
	4 <sup>TH</sup>		<ul style="list-style-type: none"> <li>● Maxima and Minima</li> </ul>
<b>JULY</b>	1 <sup>ST</sup>		<ul style="list-style-type: none"> <li>● Indefinite integration</li> </ul>
	2 <sup>ND</sup>		<ul style="list-style-type: none"> <li>● Definite integral as area under the curve</li> <li>● Application of Integration</li> </ul>
	3 <sup>RD</sup>		<ul style="list-style-type: none"> <li>● Differential equation</li> </ul>
	4 <sup>TH</sup>		<ul style="list-style-type: none"> <li>● Application of Differential equation</li> </ul>
<b>AUGUST</b>	1 <sup>ST</sup>	4	<ul style="list-style-type: none"> <li>● <b>PROBABILITY DISTRIBUTION</b></li> <li>● Probability Distribution</li> <li>● Mathematical Expectation</li> <li>● Variance</li> </ul>

	2 <sup>ND</sup>		<ul style="list-style-type: none"> <li>• Binomial Distribution</li> <li>• Poisson Distribution</li> </ul>
	3 <sup>RD</sup>		<ul style="list-style-type: none"> <li>• Normal distribution</li> </ul>
	4 <sup>TH</sup>	5	<p style="text-align: center;"><b>INFERENCEAL STATISTICS</b></p> <ul style="list-style-type: none"> <li>• Population and Sample</li> <li>• Parameter and Statistic and Statistical inferences</li> </ul>
<b>SEPTEMBER</b>	1 <sup>ST</sup>		<p style="text-align: center;"><b>INFERENCEAL STATISTICS</b></p> <ul style="list-style-type: none"> <li>• T-Test (One sample t-test and two independent groups t-test)</li> </ul>
	2 <sup>ND</sup>		H.Y.E
	3 <sup>RD</sup>		H.Y.E
	4 <sup>TH</sup>		<ul style="list-style-type: none"> <li>• Time series, component of Time series, Time series analysis for univariant data Secular Trend</li> </ul>
<b>OCTOBER</b>	1 <sup>ST</sup>	6	<p style="text-align: center;"><b>FINANCIAL MATHEMATICS</b></p> <ul style="list-style-type: none"> <li>• Perpetuity</li> <li>• Sinking funds</li> <li>• Valuation of Bonds</li> <li>• Calculation of EMI</li> </ul>
	2 <sup>ND</sup>		<ul style="list-style-type: none"> <li>• Calculation of returns</li> <li>• Nominal rate of return</li> <li>• Compound annual growth rate</li> </ul>
	3 <sup>RD</sup>	7	<ul style="list-style-type: none"> <li>• Linear method of depreciation</li> <li>• Introduction &amp; related terminology</li> <li>• Mathematical formulation of linear programming problems</li> </ul>
	4 <sup>TH</sup>		<p style="text-align: center;"><b>LINEAR PROGRAMMING</b></p> <ul style="list-style-type: none"> <li>• Graphical method of solving L.P.P in two variables.</li> <li>• <b>SYLLABUS COMPLETION</b></li> </ul>
<b>Exam Pattern</b>			
<ul style="list-style-type: none"> <li>• 20 % MCQ or Objective questions</li> <li>• 30 % Competency based questions</li> <li>• 50 % subjective or Short/long answer questions</li> </ul>			
<b>Syllabus</b>			

<b>First Monday Test (03/07/2023)</b>	Unit 1	<b>Numbers, quantification and numerical applications</b>	<ul style="list-style-type: none"> <li>• Modulo Arithmetic</li> <li>• Simple Arithmetic Functions</li> <li>• Allegation and Mixture</li> <li>• Boats and streams</li> <li>• Pipes and Cistern</li> <li>• Races and games</li> <li>• Partnership</li> <li>• Scheduling</li> <li>• Numerical Inequalities</li> </ul>
	Unit 2	<b>Algebra</b>	<ul style="list-style-type: none"> <li>• Matrices</li> <li>• Operation of matrices</li> <li>• Determinant</li> <li>• Inverse of a matrix</li> <li>• Solving system of simultaneous equations using matrix method</li> <li>• Cramer's rule</li> </ul>
<b>Second Monday Test (14/08/2023)</b>	Unit 3	<b>Calculus</b>	<ul style="list-style-type: none"> <li>• Higher order derivative</li> <li>• Application of derivative (Rate of change, tangent and Normal)</li> <li>• Marginal cost and marginal revenue using derivatives, Increasing / Decreasing functions</li> <li>• Maxima and Minima</li> <li>• Indefinite integration</li> <li>• Definite integral as area under the curve</li> <li>• Differential equation</li> </ul>
<b>Third Monday Test (14/08/2023)</b>			<b>Probability distribution Financial mathematics</b>

#### Half Yearly Examination (11/09/2023)

S. No.	Unit No.	Chapter/Topic	Marks Assigned
1	Unit 1	Numbers, quantification and numerical applications	17
2	Unit 2	Algebra (Matrices, Determinant)	18
3	Unit 3	Calculus	27
4	Unit 4	Probability	18
<b>Total</b>			<b>80</b>

#### Pre-Board-I Examination (04/12/2023)

S. No.	Unit No.	Chapter/Topic	Marks Assigned
1	Unit 5	Inferential statistics	11
2	Unit 6	Index numbers and time-based data	22
3	Unit 7	Financial mathematics	33
4	Unit 8	Linear programming	14
<b>Total</b>			<b>80</b>

<b>Pre-Board-II Examination (03/01/2023) As per C.B.S.E Pattern</b>			
<b>S. No.</b>	<b>Unit No.</b>	<b>Chapter/Topic</b>	<b>Marks Assigned</b>
1	Unit 1	Numbers, quantification and numerical applications	09
2	Unit 2	Algebra (Matrices, Determinant)	10
3	Unit 3	Calculus	15
4	Unit 4	Probability	10
5	Unit 5	Inferential statistics	05
6	Unit 6	Index numbers and time-based data	10
7	Unit 7	Financial mathematics	15
8	Unit 8	Linear programming	06
<b>Total</b>			<b>80</b>

### **Type of Question**

- Section - A carries 20 marks weightage, Section - B carries 10 marks weightage, Section - C carries 18 marks weightage, Section - D carries 20 marks weightage and Section - E carries 3 case-based with total weightage of 12 marks.
- Section – A: It comprises of 20 MCQs of 1 mark each.
- Section – B: It comprises of 5 VSA type questions of 2 marks each.
- Section – C: It comprises of 6 SA type of questions of 3 marks each.
- Section – D: It comprises of 4 LA type of questions of 5 marks each.
- Section – E: It has 3 case studies. Each case study comprises of 3 case-based questions, where 2 VSA type questions are of 1 mark each and 1 SA type question is of 2 marks. Internal choice is provided in 2 marks question in each case-study.
- Internal choice is provided in 2 questions in Section - B, 2 questions in Section – C, 2 questions in Section - D. You have to attempt only one of the alternatives in all such questions.

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**M.G.M HIGHER SECONDARY SCHOOL, BOKARO**  
**SYLLABUS BREAK-UP FOR THE YEAR : 2023 - 2024**  
**CLASS – XII**  
**SUBJECT: BUSINESS STUDIES**

MONTH	WEEK	UNIT NO.	CHAPTER/TOPIC
MARCH	3 <sup>RD</sup>	1	<b>CHAPTER-1: Nature and Significance of Management</b> Management - concept, objectives
	4 <sup>TH</sup>	1	<b>CHAPTER-1: Nature and Significance of Management(Contd.)</b> Importance of Management Management as Science, Art and Profession
	5 <sup>TH</sup>	1	<b>CHAPTER-1: Nature and Significance of Management(Contd.)</b> Levels of Management Functions of Management
APRIL	1 <sup>ST</sup>	1	<b>CHAPTER-1: Nature and Significance of Management(Contd.)</b> Coordination- Concept and Importance
	2 <sup>ND</sup>	2	<b>CHAPTER-2: Principles of Management</b> Concept and Significance of Principle of Management Fayol's principles of management
	3 <sup>RD</sup>	2	<b>CHAPTER-2: Principles of Management(Contd.)</b> Taylor's Scientific management- principles and techniques
	4 <sup>TH</sup>	3	<b>CHAPTER-3: Business Environment:Concept and Importance</b> Dimensions of Business Environment- Economic, Social, Technological, Political and Legal- Meaning and Components
MAY	1 <sup>ST</sup>	3	<b>CHAPTER-3: Business Environment(Contd.)</b> Demonetization - concept and features Impact of Government policy changes on business with special reference to Economic Reforms of 1991
	2 <sup>ND</sup>	4	<b>CHAPTER-3: Business Environment(Contd.)</b> Liberalization, Privatization and Globalization in India <b>CHAPTER-4: Planning</b> Concept, importance and limitation ; Planning process
	3 <sup>RD</sup>		<b>SUMMER VACATION</b>
	4 <sup>TH</sup>		<b>SUMMER VACATION</b>
JUNE	1 <sup>ST</sup>		<b>SUMMER VACATION</b>
	2 <sup>ND</sup>		<b>SUMMER VACATION</b>
	3 <sup>RD</sup>	4	<b>CHAPTER-4: Planning(Contd.)</b> Types of Plan- Single use and standing plans. Objectives,Strategy,Policy,Procedure,Method , Rule, Budget and Programme
	4 <sup>TH</sup>	5	<b>CHAPTER-5: Organising</b> Concept and Importance, Organising Process



<b>JULY</b>	1 <sup>ST</sup>	5 & 11	<b>CHAPTER-5: Organising( Contd.)</b> Organisational Structure - functional and divisional concept- Suitability-Formal and Informal organisation- Concept Delegation: concept, Elements and importance Decentralization: concept and importance
	2 <sup>ND</sup>	11	<b>CHAPTER-11: Marketing</b> Marketing – Concept, functions and philosophies Marketing Mix – Concept and elements
	3 <sup>RD</sup>	11	<b>CHAPTER-11: Marketing(Contd.)</b> Product Mix– Meaning, Types-Dimension of Product Mix Concept – Product line, Mix width, Line length, depth, Mix Consistency Promotion – Concept and elements; Advertising, Personal Selling, Sales Promotion, Publicity: Objectives
	4 <sup>TH</sup>		<b>CHAPTER-11: Marketing(Contd.)</b> Elements of Product Mix: Branding, labelling and packaging – Concept & Importance
	5 <sup>TH</sup>	11	<b>CHAPTER-11: Marketing(Contd.)</b> Price - Concept, Pricing Objectives, Pricing Strategy- Factors affecting determination of price Physical Distribution – concept, components and channels of distribution- Factors affecting choice of Channel
<b>AUGUST</b>	1 <sup>ST</sup>	6	<b>CHAPTER-6: Staffing</b> Concept and importance of staffing Staffing as a part of Human Resource Management concept, Staffing process
	2 <sup>ND</sup>	6	<b>CHAPTER-6: Staffing (Contd.)</b> Recruitment Process -Sources of Recruitment Selection Process ,Concept of Training &Development
	3 <sup>RD</sup>	6&7	<b>CHAPTER-6: Staffing (Contd.)</b> Importance of Training- Methods of Training <b>CHAPTER- 7: Directing</b> Concept and importance, Elements of Directing: Supervision
	4 <sup>TH</sup>	7	<b>CHAPTER-7: Directing(Contd.)</b> Elements of Directing- Motivation - concept, Maslow’s hierarchy of needs- Financial and non-financial incentives, Leadership: Meaning and Style- authoritative, democratic and laissez faire
	5 <sup>TH</sup>	7	<b>CHAPTER-7: Directing(Contd.)</b> Communication – Meaning – Formal & Informal Communication- Factor affecting Communication
<b>SEPTEMBER</b>	1 <sup>ST</sup>	8	<b>CHAPTER-8: Controlling</b> Controlling - Concept and importance, Relationship between planning and controlling Steps in process of control

	2 <sup>ND</sup>	8&9	<b>CHAPTER-8: Controlling(Contd.)</b> Controlling Techniques <b>CHAPTER- 9: Financial Management</b> Concept, role and objectives of Financial Management Financial Decision: Financing Decision, Factor affecting Financing decision
	3 <sup>RD</sup>		<b>TERM I EXAMINATION</b>
		9	<b>CHAPTER-9: Financial Management (Contd.)</b> Financial decisions: Investment and Dividend Decision- Factors affecting Investment & Dividend Decision
	4 <sup>TH</sup>	9	<b>CHAPTER-9: Financial Management (Contd.)</b> Capital Structure- Concept and factor affecting Capital Structure
	5 <sup>TH</sup>	9	<b>CHAPTER-9: Financial Management( Contd.)</b> Financial Planning – concept- Objective and importance Fixed and Working Capital - Concept and factors affecting their requirements
<b>OCTOBER</b>	1 <sup>ST</sup>		<b>CHAPTER-10: Financial Markets</b> Financial Markets: Concept, Functions and Types-Money Market & its Instruments
	2 <sup>ND</sup>		<b>CHAPTER-10: Financial Markets</b> Types of Financial Markets: Capital Market- Primary & Secondary market- Methods of Floatation of Securities in Primary Market
	3 <sup>RD</sup>		<b>CHAPTER-10: Financial Markets</b> Secondary Market: Stock Exchange- Function of Stock Exchange- Electronic Trading- Depository
	4 <sup>TH</sup>		<b>CHAPTER-10: Financial Markets</b> Trading procedure in a Stock Exchange <b>DUSSEHRA</b>
<b>NOVEMBER</b>	1 <sup>ST</sup>		<b>CHAPTER-10: Financial Markets (Contd.)</b> SEBI: Malpractices in a Stock Market- Reason for Establishment of SEBI-Objectives and Functions of SEBI
	2 <sup>ND</sup>		<b>CHAPTER-12: Consumer Protection</b> Concept of Consumer Protection Importance of Consumer Protection – Important Definition under Consumer Protection Act- Consumer Right- Responsibilities of Consumer
	3 <sup>RD</sup>		<b>DIPAWALI</b>
	4 <sup>TH</sup>		<b>CHAPTER-12: Consumer Protection( Contd.)</b> Consumer Redressal Agencies: District forum, State Commission, National Commission- Constitution and Jurisdiction
			<b>SYLLABUS COMPLETION</b>
<b>DECEMBER</b>	1 <sup>ST</sup>		<b>PRE-BOARD I</b>
	2 <sup>ND</sup>		

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**M.G.M HIGHER SECONDARY SCHOOL, B.S.CITY**  
**SYLLABUS BREAKUP FOR THE YEAR : 2023 - 2024**  
**CLASS – XII**  
**SUBJECT –ECONOMICS**

YEAR/ MONTH	WEEK	CHAPTER NO.	CHAPTERS/TOPICS
2023 MARCH	3 <sup>rd</sup>	INDIAN ECONOMIC DEV. Ch.-1	<b>Unit 6:</b> Development Experience (1947-90) and Economic Reforms since 1991: A brief introduction of the state of Indian economy on the eve of independence. State of agricultural and Industry sector.
	4 <sup>th</sup>	INDIAN ECONOMIC DEV. Ch.-1	State of Foreign trade, Demographic profile, Occupational structure and Infrastructure on the eve of Independence.
	5 <sup>th</sup>	INDIAN ECONOMIC DEV. Ch.-2	Indian economic system and common goals of Five Year Plans. Goals of Planning in India and Achievement of the goals.
2023 APRIL	2 <sup>nd</sup>	MACRO. Ch.-5	<b>Unit 2:</b> Money and Banking  Money – meaning and functions, supply of money - Currency held by the public and net demand deposits held by commercial banks. Money creation by the commercial banking system.
	3 <sup>rd</sup>	MACRO. Ch.-6	Central bank and its functions (example of the Reserve Bank of India): Bank of issue, Govt. Bank, Banker's Bank, Control of Credit through Bank Rate, CRR, SLR, RepoRate and Reverse Repo Rate, Open Market Operations, Margin requirement.
	4 <sup>th</sup>	INDIAN ECONOMIC DEV. Ch.-3	Main features, problems and policies of agriculture (institutional aspects and newagricultural strategy)
	5 <sup>th</sup>	INDIAN ECONOMIC DEV. Ch.-3	Industry (IPR 1956; SSI – role & importance) and Foreign trade (Inward Looking Strategy); Silent features of growth strategy during the period 1950-1990 and its good and bad effects.
2023 MAY	1 <sup>st</sup>	MACRO. Ch.-1	<b>Unit 1:</b> National Income and Related Aggregates What is Macroeconomics?
	2 <sup>nd</sup>	MACRO. Ch.-2	Basic concepts in macroeconomics: consumption goods, capital goods, final goods, intermediate goods Stocks and flows; gross investment and depreciation. Circular flow of income (two sector model)
2023 JUNE	4 <sup>th</sup>	INDIAN ECONOMIC DEV. Ch.-4	Economic Reforms since 1991: Features and appraisals of liberalization and globalisation
	5 <sup>th</sup>	INDIAN ECONOMIC DEV. Ch.-4	Features and appraisals of privatisation (LPG policy); Concepts of demonetization and GST
2023 JULY	2 <sup>nd</sup>	MACRO. Ch.-3	<b>Unit 1:</b> National Income and Related Aggregates  Aggregates related to National Income: Gross National Product (GNP), Net National Product (NNP), Gross Domestic Product (GDP) and Net Domestic Product (NDP) - at market price, at factor

			cost; Real and Nominal GDP.
	3 <sup>rd</sup>	MACRO. Ch.-4	Methods of calculating National Income -Value Added or Product method
	4 <sup>th</sup>	MACRO. Ch.-4	Methods of calculating National Income -Expenditure method
	5 <sup>th</sup>	MACRO. Ch.-4	Methods of calculating National Income -Income method. GDP and Welfare
2023 AUGUST	1 <sup>st</sup>	INDIAN ECONOMIC DEV. Ch.-5	<b>Unit 7:</b> Current challenges facing Indian Economy Human Capital Formation: How people become resource; Role of human capital in economic development; Growth of Education Sector in India
	2 <sup>nd</sup>	INDIAN ECONOMIC DEV. Ch.-6	Rural development: Key issues - credit and marketing - role of cooperatives; agricultural diversification; alternative farming - organic farming
	3 <sup>rd</sup>	MACRO. Ch.-7	<b>Unit 3:</b> Determination of Income and Employment Aggregate demand and its components. Propensity to consume and propensity to save (average and marginal).
	4 <sup>th</sup>	MACRO. Ch.-8	Short-run equilibrium output; investment multiplier and its mechanism. Meaning of full employment and involuntary unemployment.
	5 <sup>th</sup>	MACRO. Ch.-9	Problems of excess demand and deficient demand; measures to correct them, changes in government spending, taxes and money supply.
2023 SEPTEMBER	1 <sup>st</sup>	INDIAN ECONOMIC DEV. Ch.-7	Employment: Growth and changes in work force participation rate in formal and informal sectors.
	2 <sup>nd</sup>	INDIAN ECONOMIC DEV. Ch.-7	Jobless growth, Casualisation and Informalisation of workforce. Employment: problems and policies
	3 <sup>rd</sup>	<b>EXAM</b>	<b>Half Yearly Examination</b>
	4 <sup>th</sup>	<b>EXAM</b>	<b>Half Yearly Examination</b>
	5 <sup>th</sup>	MACRO. Ch.-10	<b>Unit 4:</b> Government Budget and the Economy Government budget - meaning, objectives and components.
2023 OCTOBER	1 <sup>st</sup>	MACRO. Ch.-10	Classification of receipts - revenue receipts and capital receipts; Classification of expenditure – revenue expenditure and capital expenditure.
	2 <sup>nd</sup>	MACRO. Ch.-10	Balanced, Surplus and Deficit Budget – measures of government deficit.
	3 <sup>rd</sup>	INDIAN ECONOMIC DEV. Ch.-8	Sustainable Economic Development: Meaning, Effects of Economic Development on Resources and Environment; including global warming
	4 <sup>th</sup>	INDIAN ECONOMIC DEV.Ch.-8	Sustainable Economic Development: Strategies of sustainable development.
	5 <sup>th</sup>	MACRO. Ch.-11	<b>Unit 5:</b> Balance of Payments Balance of payments account - meaning and components
2023 NOVEMBER	1 <sup>st</sup>	MACRO. Ch.-11	<b>Unit 5:</b> Balance of Payments Balance of payments – Surplus and Deficit.
	2 <sup>nd</sup>		Foreign exchange rate - meaning of fixed and flexible rates and

		MACRO. Ch.-12	managed floating. Determination of exchange rate in a free market, Merits and demerits of flexible and fixed exchange rate. Managed Floating exchange rate system
	3 <sup>rd</sup>	INDIAN ECONOMIC DEV. Ch.-9	<b>Unit 8:</b> Development Experience of India: A comparison with neighbours- India and Pakistan India and China
	4 <sup>th</sup>	INDIAN ECONOMIC DEV. Ch.-9	Issues: economic growth, population, sectoral development and other Human Development Indicators
	5 <sup>th</sup>		<b>Completion of Syllabus</b>
2023 DECEMBER	2 <sup>nd</sup>	<b>EXAM</b>	<b>1<sup>st</sup> Pre-Board Examination</b>
2024 JANUARY	1 <sup>st</sup>	<b>EXAM</b>	<b>2<sup>nd</sup> Pre-Board Examination</b>

### PORTION OF EXAM FOR THE YEAR 2023-24

EXAM	CHAPTER NO.	NAME OF CHAPTER
1 <sup>st</sup> Monday Test	Chapter-5	Money. (Macro)
	Chapter-1	Indian Economy on the Eve of Independence. (Eco. Dev.)
	Chapter-6	Banking. (Macro)
	Chapter-2	Five Year Plan in India- Goals and Achievements. (Eco. Dev.)
2 <sup>nd</sup> Monday Test	Chapter-1	Introduction (Macro)
	Chapter-2	Some basic concepts of Macroeconomics.(Macro)
	Chapter-3	Agriculture, Industry and Trade (1950-1990). (Eco. Dev.)
	Chapter-3 Chapter-4	National Income and Related Aggregates.(Macro) Economic Reforms since 1991: New Economic Policy. (Eco. Dev.)
Half yearly exam	Chapter-1 Chapter-1	Introduction (Macro) Indian Economy on the Eve of Independence. (Eco. Dev.)
	Chapter-2 Chapter-2	Some basic concepts of Macroeconomics.(Macro) Five Year Plan in India- Goals and Achievements. (Eco. Dev.)
	Chapter-3 Chapter-3	National Income and Related Aggregates.(Macro) Agriculture, Industry and Trade (1950-1990). (Eco. Dev.)
	Chapter-4 Chapter-4	Methods of Calculating National Income.(Macro) Economic Reforms since 1991: New Economic Policy. (Eco. Dev.)
	Chapter-5 Chapter-5	Money. (Macro) Human Capital Formation. (Eco. Dev.)
	Chapter-6 Chapter-6	Banking. (Macro) Rural development, (Eco. Dev.)
1 <sup>st</sup> Pre- Board	Chapter-7 Chapter-7	Aggregate Demand and its Components. (Macro) Employment. (Eco. Dev.)
	Chapter-8 Chapter-8	Short run Equilibrium Output. (Macro) Environment and Sustainable Development. (Eco. Dev.)
	Chapter-9 Chapter-9	Problem of Deficit Demand and Excess Demand. (Macro) Development Experience of India, Pakistan and China. (Eco. Dev.)

	Chapter-10	Government Budget and The Economy. (Macro)
	Chapter-11	Balance of Payment. (Macro)
	Chapter-12	Foreign Exchange Rate. (Macro)
2 <sup>nd</sup> Pre-board	Chapter-1 to 9	Entire syllabus (Macroeconomics)
	Chapter-1 to 12	Entire syllabus (Indian Economic Development)

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**MGM HIGHER SECONDARY SCHOOL, BOKARO STEEL CITY**  
**SYLLABUSBREAKUP**  
**SESSION-2023-24**  
**CLASS – XII**  
**SUBJECT–ARTIFICIAL INTELLIGENCE-843**

<i>Month</i>	<i>Week</i>	<i>Date</i>	<i>Unit no.</i>	<i>Chapter/topic</i>
APRIL-23	5 <sup>TH</sup>	24 <sup>th</sup> - 28 <sup>th</sup>	1A	<p style="text-align: center;"><b>Capstone Project</b></p> <ul style="list-style-type: none"> <li>Understanding the problem</li> <li>Decomposing the problem through DT framework</li> <li>Analytic Approach</li> <li>Data Requirements</li> </ul>
	MAY-23	1 <sup>ST</sup>	1 <sup>st</sup> - 5 <sup>th</sup>	1A
2 <sup>ND</sup>		8 <sup>th</sup> – 12 <sup>th</sup>	1A	<p style="text-align: center;"><b>Capstone Project</b></p> <ul style="list-style-type: none"> <li>RMSE- Root Mean Squared Error</li> <li>MSE – Mean Squared Error</li> <li>MAPE – Mean Absolute Percent Error</li> </ul>
JUNE-23	4 <sup>TH</sup>	20 <sup>th</sup> – 24 <sup>th</sup>	1A	<p style="text-align: center;"><b>Capstone Project</b></p> <ul style="list-style-type: none"> <li>Common Algorithms and matrices</li> <li>AI engineering loop.</li> <li>ML observability with an evaluation store.</li> <li>Monitor</li> </ul>
	5 <sup>TH</sup>	26 <sup>th</sup> – 30 <sup>th</sup>	1A	<p style="text-align: center;"><b>Capstone Project</b></p> <ul style="list-style-type: none"> <li>Analyze</li> <li>Root cause analysis.</li> <li>Introduction to commonly used algorithms and the science behind them</li> <li>Showcase through a compelling story</li> </ul>
JULY-23	1 <sup>ST</sup>	3 <sup>rd</sup> – 7 <sup>th</sup>	2	<p style="text-align: center;"><b>Capstone Project</b></p> <ul style="list-style-type: none"> <li>Mean absolute error.</li> <li>Mean absolute value.</li> </ul>
	2 <sup>ND</sup>	10 <sup>th</sup> – 14 <sup>th</sup>	2	<p style="text-align: center;"><b>Model LifeCycle (Knowledge)</b></p> <ul style="list-style-type: none"> <li>Different aspects of Model</li> <li>Train, test, validate</li> <li>What are hyper parameters</li> <li>Commonly used platforms to build and run models(Introduction)</li> </ul>
	3 <sup>RD</sup>	17 <sup>th</sup> – 21 <sup>st</sup>	2	<p style="text-align: center;"><b>Model LifeCycle (Knowledge)</b></p> <ul style="list-style-type: none"> <li>Recommended tools Links to different platforms of Watson</li> </ul>
	4 <sup>TH</sup>	24 <sup>th</sup> – 28 <sup>th</sup>	2	<p style="text-align: center;"><b>Model LifeCycle (Knowledge)</b></p> <ul style="list-style-type: none"> <li>Links to different platforms of Watson</li> </ul>
	5 <sup>TH</sup>	1 <sup>st</sup> – 5 <sup>th</sup>	2	<p style="text-align: center;"><b>Model LifeCycle (Knowledge)</b></p>

				<ul style="list-style-type: none"> <li>• Lifecycle of an AI model</li> </ul>
AUGUST-23	1 <sup>ST</sup>	7 <sup>th</sup> – 11 <sup>th</sup>	2	<p style="text-align: center;"><b>Model LifeCycle (Knowledge)</b></p> <ul style="list-style-type: none"> <li>• Build</li> <li>• Deploy</li> <li>• Retrain</li> </ul>
	2 <sup>ND</sup>	14 <sup>th</sup> – 18 <sup>th</sup>	Employ ability skills	<p style="text-align: center;"><b>COMMUNICATION SKILLS</b></p> <ul style="list-style-type: none"> <li>• Effective communications</li> <li>• Active listening</li> </ul> <p style="text-align: center;"><b>SELF MANAGEMENT SKILLS</b></p> <ul style="list-style-type: none"> <li>• Self-motivation</li> <li>• Sources of motivation</li> <li>• Basic personality trait</li> </ul>
	3 <sup>RD</sup>	21 <sup>st</sup> – 25 <sup>th</sup>	1B	<p style="text-align: center;"><b>Capstone Project Approach</b></p> <ul style="list-style-type: none"> <li>• Capstone project</li> <li>• Understanding the Problem</li> <li>• Five modes of Analytics</li> </ul>
	4 <sup>TH</sup>	28 <sup>th</sup> – 31 <sup>st</sup>	1B	<p style="text-align: center;"><b>Capstone Project Approach</b></p> <ul style="list-style-type: none"> <li>• Design thinking</li> <li>• Decomposing the problem through design thinking framework.</li> <li>• Decompose time series data into trend.</li> </ul>
	5 <sup>TH</sup>	1 <sup>st</sup> -2 <sup>nd</sup>	1B	<p style="text-align: center;"><b>Capstone Project Approach</b></p> <ul style="list-style-type: none"> <li>• Additive and Multiplicative Effects.</li> <li>• Additive combination</li> <li>• Multiplicative combination</li> </ul>
SEPTEMBER-23	1 <sup>ST</sup>	4 <sup>th</sup> -8 <sup>th</sup>	Employ ability skills	<p style="text-align: center;"><b>ICT SKILLS</b></p> <ul style="list-style-type: none"> <li>• Introduction to presentation software</li> <li>• Introduction to spreadsheet applications.</li> </ul> <p style="text-align: center;"><b>ENTREPRENEURIAL SKILLS</b></p> <ul style="list-style-type: none"> <li>• Barriers to becoming an entrepreneur.</li> <li>• Entrepreneurial competencies.</li> </ul>
	2 <sup>ND</sup>	11 <sup>th</sup> – 15 <sup>th</sup>	3	<p style="text-align: center;"><b>STORYTELLING THROUGH DATA (Critical and Creative thinking Skills)</b></p> <ul style="list-style-type: none"> <li>• The Need for Storytelling</li> <li>• Information processing and recalling stories</li> <li>• Why is storytelling important?</li> <li>• Structure that story!</li> </ul>
	3 <sup>RD</sup>	18 <sup>th</sup> – 22 <sup>nd</sup>	Half – Yearly Examination	
	4 <sup>TH</sup>	25 <sup>th</sup> – 29 <sup>th</sup>		
	5 <sup>TH</sup>	3 <sup>rd</sup> – 7 <sup>th</sup>	3	<p style="text-align: center;"><b>STORYTELLING THROUGH DATA (Critical and Creative thinking Skills)</b></p> <ul style="list-style-type: none"> <li>• How to create stories?</li> <li>• Begin with a pen-paper approach</li> <li>• Dig deeper to identify the sole purpose of your story</li> </ul>



**Portion of exam with marks weightage**

<b>OCTOBER-23</b>	1 <sup>ST</sup>	9 <sup>th</sup> – 13 <sup>th</sup>	3	<p align="center"><b>STORYTELLING THROUGH DATA (Critical and Creative thinking Skills)</b></p> <ul style="list-style-type: none"> <li>• Use powerful headings</li> <li>• Design a Road-Map</li> <li>• Conclude with brevity</li> </ul>
	2 <sup>ND</sup>	16 <sup>th</sup> – 20 <sup>th</sup>	Employ ability skills	<p align="center"><b>GREEN SKILLS</b></p> <ul style="list-style-type: none"> <li>• Green jobs.</li> <li>• Types of green jobs.</li> <li>• Benefits of green job.</li> </ul>
	3 <sup>RD</sup>	26 <sup>th</sup> – 28 <sup>th</sup>	3	<p align="center"><b>STORYTELLING THROUGH DATA (Critical and Creative thinking Skills)</b></p> <ul style="list-style-type: none"> <li>• Types of Data and Suitable Charts</li> <li>• Text [Word clouds]</li> <li>• Mixed [Facet Grids]</li> <li>• Numeric [Line Charts/ Bar Charts]</li> <li>• Stocks [Candlestick Charts]</li> <li>• Geographic [Maps]</li> </ul>
	4 <sup>TH</sup>	30 <sup>th</sup> - 31 <sup>st</sup>	3	<p align="center"><b>STORYTELLING THROUGH DATA (Critical and Creative thinking Skills)</b></p> <ul style="list-style-type: none"> <li>• Stories During the Steps of Predictive Modeling</li> <li>• Data Exploration</li> <li>• Feature Visualizing</li> <li>• Model Creation</li> <li>• Model Comparisons</li> </ul> <p><b>SYLLABUS COMPLETION</b></p>

<b>Exam</b>	<b>Unit no.</b>	<b>Chapter name</b>	<b>Marks weightage</b>
1 <sup>st</sup> Monday test (10/07/2023)	1	Capstone project: approach and methodology	20
	Employability skills	Communication skills	5
2 <sup>nd</sup> Monday test (21/08/2023)	2	Model life cycle	20
	Employability skills	Self-management skills	5
Half-yearly examination	1	Capstone project: approach and methodology	25
	2	Model life cycle	15
	Employability skills	Communication skills	2
		Self-management skills	3
		ICT skills	5
<b>Total</b>			<b>50</b>
Preboard	Employability skills	Communication skills	10
		Self-management skills	
		ICT skills	
		Entrepreneurial skills	
		Green skills	
	Subject specific skills	Capstone project: approach and methodology	15
		Model life cycle	10
		Story telling through data	15
<b>Total</b>			<b>50</b>

#### **Student Project Work (Practical)**

- Student capstone project development.
- Students to form teams and work on developing an AI based project.
- Resources like the AI Project Guide and AI Project Log Book to be used.



**M.G.M HIGHER SECONDARY SCHOOL, BOKARO**  
**SYLLABUS BREAKUP FOR THE YEAR : 2023 - 2024**  
**CLASS – XII**  
**SUBJECT – BIOLOGY**

<b>MONTH</b>	<b>WEEK</b>	<b>CHAPTER NO.</b>	<b>TOPIC NAME</b>
April	4th	Chapter 2	Reproduction in flowering plants
May	1st	Chapter 2	Reproduction in flowering plants
	2nd	Chapter 4	Human Reproduction
June	4th	Chapter 3	Human Reproduction
July	1st	Chapter 3	Human Reproduction
	2nd	Chapter 5	Principles of heredity & Variation
	3rd	Chapter 5	Principles of heredity & Variation
	4th	Chapter 6	Molecular basis of inheritance
August	1st	Chapter 8	Human health and diseases
	2nd	Chapter 10	Microbes in human welfare
	3rd	Chapter 12	Biotechnology: Application
	4th	Chapter 12	Biotechnology: Application
September			Revision and HALF YEARLY EXAMINATION
			HALF YEARLY EXAMINATION
October	1st	Chapter 13	Organisms and Population
	3rd	Chapter 14	Ecosystem
	4th	Chapter 15	Biodiversity & Conversation

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**M.G.M HIGHER SECONDARY SCHOOL, BOKARO**  
**SYLLABUS BREAKUP FOR THE YEAR : 2023 - 2024**

**CLASS – XII**  
**SUBJECT – CHEMISTRY**

MONTH	WEEK	CHAPTERS/TOPIC PER WEEK
March	3 <sup>rd</sup>	<b>Solutions</b> - Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, Raoult's law
March	4 <sup>th</sup>	<b>Solutions</b> - colligative properties– relative lowering of vapour pressure, elevation of boiling point, depression of freezing point, osmotic pressure
April	1	<b>Solutions</b> - determination of molecular masses using colligative properties, abnormal molecular mass, Van't Hoff factor.
April	2	<b>Chemical Kinetics</b> - rate law and specific rate constant, integrated rate equations and half - life (only for zero and first order reactions)
April	3	<b>Chemical Kinetics</b> - Rate of a reaction (Average and instantaneous)
April	4	<b>Electrochemistry</b> - Relation between Gibbs energy change and EMF of a cell, conductance in electrolytic solutions, specific and molar conductivity, variations of conductivity with concentration
May	1	<b>Electrochemistry</b> -, Kohlrausch's Law, electrolysis and law of electrolysis (elementary idea), dry cell - electrolytic cells and Galvanic cells, lead accumulator, fuel cells, corrosion
May	2	<b>Haloalkanes and Haloarenes</b> -Haloalkanes: Nomenclature, nature of C-X bond, physical and chemical properties, optical rotation mechanism of substitution reactions
June	3	<b>Haloalkanes and Haloarenes</b> -Haloarenes: Nature of C - X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only). Uses and environmental effects of – dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT
June	4	<b>Haloalkanes and Haloarenes</b> -Haloarenes: Nature of C - X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only). Uses and environmental effects of – dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT
July	1	<b>Alcohols, Phenols and Ethers</b> -Alcohols: Nomenclature, methods of preparation, physical and chemical properties (of primary alcohols only), identification of primary, secondary and tertiary alcohols, mechanism of dehydration, uses with special reference to methanol and ethanol
July	2	<b>Alcohols, Phenols and Ethers</b> - Phenols: Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols, Ethers: Nomenclature, methods of preparation, physical and chemical properties, uses
July	3	<b>Aldehydes, Ketones and Carboxylic Acids</b> Aldehydes and Ketones: Nomenclature, nature of carbonyl group, methods of preparation, physical and chemical properties
July	4	<b>Aldehydes, Ketones and Carboxylic Acids</b> - mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes, uses
August	1	<b>Aldehydes, Ketones and Carboxylic Acids</b> - Carboxylic Acids: Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses
August	2	Amines: Nomenclature, classification, structure, methods of preparation, <b>Amines &amp; Diazonium salts</b> - physical and chemical properties, uses, identification of primary, secondary and tertiary amines
August	3	<b>Revision for half yearly exam</b>
August	4	<b>Half yearly exam</b>

September	1	<b>Amines &amp; Diazonium salts</b> - physical and chemical properties, uses, identification of primary, secondary and tertiary amines
September	2	<b>d and f Block Elements</b> - General introduction, electronic configuration, occurrence and characteristics of transition metals, general trends in properties of the first-row transition metals - metallic character
September	3	<b>d and f Block Elements</b> - ionization enthalpy, oxidation states, ionic radii, colour, catalytic property, magnetic properties, interstitial compounds, alloy formation
September	4	<b>d and f Block Elements</b> - preparation and properties of K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> and KMnO <sub>4</sub> . <b>Coordination Compounds</b> - Coordination compounds – Introduction, ligands, coordination number, colour, magnetic properties and shapes,
October	1	<b>Coordination Compounds</b> - IUPAC nomenclature of mononuclear coordination compounds, Bonding, Werner's theory, VBT, and CFT; structure and stereoisomerism
October	2	<b>Coordination Compounds</b> - the importance of coordination compounds (in qualitative analysis, extraction of metals and biological system).
October	3	<b>Biomolecules</b> -Carbohydrates - Classification (aldoses and ketoses), monosaccharides (glucose and fructose), D - L configuration oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen); Importance of carbohydrates. Proteins –Elementary idea of - amino acids, peptide bond, polypeptides
October	4	<b>Biomolecules</b> - proteins, structure of proteins - primary, secondary, tertiary structure and quaternary structures (qualitative idea only), denaturation of proteins; enzymes. Hormones - Elementary idea excluding structure. Vitamins - Classification and functions. Nucleic Acids: DNA and RNA.

### PORTION OF EXAM : 2023-2024

#### Monday Test

1<sup>st</sup> Monday Test (01/05/2023)

#### Chapter

1. Solutions

2<sup>nd</sup> Monday Test (24/07/2023)

1. Chemical Kinetics

2. Electrochemistry

3<sup>rd</sup> Monday Test (16/10/2023)

1 Alcohols, Phenols and ethers

#### Half Yearly Examination

1. Solutions
2. Electrochemistry
3. Chemical Kinetics
4. Alkyl and aryl halides

#### 1<sup>st</sup> Pre-Board

1. Amines and diazonium salts
2. d & f block elements
3. Coordination compounds
4. Biomolecules

#### 2<sup>nd</sup> Pre-Board

Entire syllabus as per CBSE

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**MGM HIGHER SECONDARY SCHOOL, BOKARO STEEL CITY****SYLLABUS BREAKUP****SESSION-2023-24****CLASS – XII****SUBJECT – Computer Science-083**

<b>Month</b>	<b>Week</b>	<b>Date</b>	<b>Unit no.</b>	<b>Chapter/topic</b>
<b>APRIL-23</b>	5 <sup>TH</sup>	24 <sup>th</sup> - 28 <sup>th</sup>	1	<b>PYTHON REVISION TOUR-I</b> <ul style="list-style-type: none"> <li>▪ Tokens</li> <li>▪ Barebones of a Python Program</li> <li>▪ Variables and Assignment</li> <li>▪ Simple Input and Output</li> <li>▪ Data Types</li> </ul>
<b>MAY-23</b>	1 <sup>ST</sup>	1 <sup>st</sup> - 5 <sup>th</sup>	1	<b>PYTHON REVISION TOUR-I</b> <ul style="list-style-type: none"> <li>▪ Mutable and Immutable types</li> <li>▪ Statement flow control</li> <li>▪ The if Condition</li> <li>▪ Looping Statements</li> <li>▪ Jump Statements-break and continue</li> <li>▪ More on Loops</li> </ul>
	2 <sup>ND</sup>	8 <sup>th</sup> – 12 <sup>th</sup>	1	<b>PYTHON REVISION TOUR-II</b> <ul style="list-style-type: none"> <li>▪ Strings in Python</li> <li>▪ Lists in Python</li> </ul>
<b>JUNE-23</b>	4 <sup>TH</sup>	20 <sup>th</sup> – 24 <sup>th</sup>	1	<b>PYTHON REVISION TOUR-II</b> <ul style="list-style-type: none"> <li>▪ Tuples in Python</li> <li>▪ Dictionaries in Python</li> </ul>
	5 <sup>TH</sup>	26 <sup>th</sup> – 30 <sup>th</sup>	1	<b>WORKING WITH FUNCTION</b> <ul style="list-style-type: none"> <li>▪ Understanding Functions</li> <li>▪ Defining Function in Python</li> <li>▪ Flow of Execution in a Function call</li> </ul>
<b>JULY-23</b>	2 <sup>ND</sup>	3 <sup>rd</sup> – 7 <sup>th</sup>	1	<b>WORKING WITH FUNCTION</b> <ul style="list-style-type: none"> <li>▪ Passing Parameters</li> <li>▪ Returning values from Function</li> <li>▪ Composition</li> </ul>
	3 <sup>RD</sup>	10 <sup>th</sup> – 14 <sup>th</sup>	1	<b>WORKING WITH FUNCTION</b> <ul style="list-style-type: none"> <li>▪ Scope of Variables</li> <li>▪ Mutable /Immutable properties of passed data objects</li> </ul>
	4 <sup>TH</sup>	17 <sup>th</sup> – 21 <sup>st</sup>	1	<b>FILE HANDLING</b> <ul style="list-style-type: none"> <li>▪ Need of Data files</li> <li>▪ Opening and closing files</li> <li>▪ Types of Files</li> <li>▪ Working with Text File</li> </ul>
	5 <sup>TH</sup>	24 <sup>th</sup> – 28 <sup>th</sup>	1	<b>FILE HANDLING</b> <ul style="list-style-type: none"> <li>▪ Standard input, output and error streams</li> <li>▪ Working with Binary File</li> </ul>

<b>AUGUST-23</b>	1 <sup>ST</sup>	1 <sup>st</sup> – 5 <sup>th</sup>	1	<p style="text-align: center;"><b>FILE HANDLING</b></p> <ul style="list-style-type: none"> <li>▪ Working with CSV File</li> </ul>
	2 <sup>ND</sup>	7 <sup>th</sup> – 11 <sup>th</sup>	2	<p style="text-align: center;"><b>DATA STRUCTURE</b></p> <ul style="list-style-type: none"> <li>▪ Elementary Data Representation</li> <li>▪ Types of Data Structure</li> <li>▪ Operations on Data Structure</li> <li>▪ Nested/ Two dimensional lists in Python</li> <li>▪ Stacks</li> </ul>
	3 <sup>RD</sup>	14 <sup>th</sup> – 18 <sup>th</sup>	2	<p style="text-align: center;"><b>COMMUNICATION AND NETWORK CONCEPTS</b></p> <ul style="list-style-type: none"> <li>▪ Computer network-An introduction</li> <li>▪ Types of networks</li> <li>▪ Evolution of Networking</li> </ul>
	4 <sup>TH</sup>	21 <sup>st</sup> – 25 <sup>th</sup>	2	<p style="text-align: center;"><b>COMMUNICATION AND NETWORK CONCEPTS</b></p> <ul style="list-style-type: none"> <li>▪ Switching Techniques</li> <li>▪ Data Communication Terminologies</li> </ul>
	5 <sup>TH</sup>	28 <sup>th</sup> – 31 <sup>st</sup>	2	<p style="text-align: center;"><b>COMMUNICATION AND NETWORK CONCEPTS</b></p> <ul style="list-style-type: none"> <li>▪ Transmission Media</li> <li>▪ Network Devices</li> <li>▪ Network Topologies and Types</li> </ul>
<b>SEPTEMBER-23</b>	1 <sup>ST</sup>	1 <sup>st</sup> -2 <sup>nd</sup>	2	<p style="text-align: center;"><b>RELATIONAL DATABASES</b></p> <ul style="list-style-type: none"> <li>▪ Purpose of DBMS</li> <li>▪ Database Concepts</li> <li>▪ Relational Data Model</li> <li>▪ The relational model terminology</li> <li>▪ Brief history of MYSQL</li> </ul>
	2 <sup>ND</sup>	4 <sup>th</sup> -8 <sup>th</sup>	2	<p style="text-align: center;"><b>RELATIONAL DATABASES</b></p> <ul style="list-style-type: none"> <li>▪ MySQL database system</li> <li>▪ Starting MySQL</li> <li>▪ MySQL and SQL</li> <li>▪ General Concepts: Advantages of using SQL</li> <li>▪ Some MySQL elements</li> </ul>
	3 <sup>RD</sup>	11 <sup>th</sup> – 15 <sup>th</sup>	<i>Half-yearly examination</i>	
	4 <sup>TH</sup>	18 <sup>th</sup> – 22 <sup>nd</sup>		
	5 <sup>TH</sup>	25 <sup>th</sup> – 29 <sup>th</sup>	3	<p style="text-align: center;"><b>SIMPLE QUERIES IN SQL</b></p> <ul style="list-style-type: none"> <li>▪ SQL command syntax</li> <li>▪ Making simple queries</li> </ul>
<b>OCTOBER-23</b>	1 <sup>ST</sup>	3 <sup>rd</sup> – 7 <sup>th</sup>	3	<p style="text-align: center;"><b>SIMPLE QUERIES IN SQL</b></p> <ul style="list-style-type: none"> <li>▪ MySQL functions</li> <li>▪ Aggregate functions</li> </ul>
	2 <sup>ND</sup>	9 <sup>th</sup> – 13 <sup>th</sup>	3	<p style="text-align: center;"><b>TABLE CREATION AND DATA MANIPULATION COMMANDS</b></p> <ul style="list-style-type: none"> <li>▪ Database in MySQL</li> <li>▪ Creating tables</li> <li>▪ Changing Data with DML commands</li> <li>▪ More DDL commands</li> </ul>
	3 <sup>RD</sup>	16 <sup>th</sup> – 20 <sup>th</sup>	3	<p style="text-align: center;"><b>GROUPING RECORDS, JOINS IN SQL</b></p> <ul style="list-style-type: none"> <li>▪ Types of SQL function</li> <li>▪ Grouping result- GROUP BY</li> <li>▪ Joins</li> </ul>

	4 <sup>TH</sup>	26 <sup>th</sup> – 28 <sup>th</sup>	3	<b>INTERFACE PYTHON WITH MYSQL</b> <ul style="list-style-type: none"> <li>▪ Connecting SQL with Python</li> <li>▪ Creating Database Connectivity Applications</li> </ul>
	5 <sup>TH</sup>	30 <sup>th</sup> - 31 <sup>st</sup>	3	<b>INTERFACE PYTHON WITH MYSQL</b> <ul style="list-style-type: none"> <li>▪ Parameterized quires</li> <li>▪ Performing Insert and Update queries</li> </ul> <b>SYLLABUS COMPLETION</b>

**Portion for Examination**

EXAM	CHAPTER NO.	CHAPTER NAME	MARKS WEIGHTAGE
<b>1<sup>ST</sup> MODAY TEST</b> (26/06/2023)	<b>CHAPTER -1</b>	Python Revision Tour-I	10
	<b>CHAPTER -2</b>	Python Revision Tour-II	15
<b>2<sup>ND</sup> MODAY TEST</b> (31/07/2023)	<b>CHAPTER -3</b>	Working With Function	12
	<b>CHAPTER-4</b>	File Handling	13
<b>3<sup>RD</sup> MODAY TEST</b> (30/10/2023)	<b>CHAPTER-7</b>	Relational Databases	15
	<b>CHAPTER-8</b>	Simple Queries in SQL	10
<b>HALF-YEARLY EXAMINATION</b>	<b>CHAPTER -1</b>	Python Revision Tour-I	10
	<b>CHAPTER -2</b>	Python Revision Tour-II	10
	<b>CHAPTER -3</b>	Working With Function	10
	<b>CHAPTER-4</b>	File Handling	15
	<b>CHAPTER-5</b>	Data structure	5
	<b>CHAPTER-6</b>	Communication and network concepts	20
<b>TOTAL</b>			<b>70</b>
<b>PRE-BOARD EXAMINATION</b>	<b>UNIT-1</b>	Computational Thinking and Programming - 2	40
	<b>UNIT-2</b>	Computer Networks	10
	<b>UNIT-3</b>	Database Management	20
	<b>TOTAL</b>		

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**M.G.M HIGHER SECONDARY SCHOOL, BOKARO**  
**SYLLABUS BREAKUP FOR THE YEAR : 2023 - 2024**  
**CLASS – XII**  
**SUBJECT – ENGLISH**

MONTH	WEEK	CHAPTER/TOPIC
MARCH	4 <sup>th</sup>	The Last Lesson (Flamingo)
	5 <sup>th</sup>	My Mother at Sixty Six (Flamingo) Notice-Writing
APRIL	1 <sup>st</sup>	Keeping Quiet (Flamingo)
	2 <sup>nd</sup>	The Third Level (Vistas)
	3 <sup>rd</sup>	Report-writing
	4 <sup>th</sup>	Drafting Invitation, Reply to Invitation
	5 <sup>th</sup>	Drafting Invitation(Contd.)
MAY	1 <sup>st</sup>	LOST-SPRING (Flamingo)
	2 <sup>nd</sup>	The Tiger King(Vistas)
JUNE	3 <sup>rd</sup>	Deep-Water
	4 <sup>th</sup>	Journey to The End Of The Earth (Vistas)
	5 <sup>th</sup>	Ratrap(Flamingo)
JULY	1 <sup>st</sup>	Indigo (Flamingo)
	2 <sup>nd</sup>	The Enemy (Vistas)
	3 <sup>rd</sup>	The Enemy(Contd.),Letter-Writing
	4 <sup>th</sup>	Job-Application
	5 <sup>th</sup>	Invitation
AUGUST	1 <sup>st</sup>	Poets and Pancakes (Flamingo)
	2 <sup>nd</sup>	Poets & Pancakes (Cont.)
	3 <sup>rd</sup>	A Thing of beauty (Flamingo), Article Writing
	4 <sup>th</sup>	A Thing of beauty (Flamingo)
	5 <sup>th</sup>	A Roadside stand (Flamingo)
SEPTEMBER	1 <sup>st</sup>	The Interview (Flamingo)
	2 <sup>nd</sup>	Going Places (Flamingo)
	3 <sup>rd</sup>	Revision for H.Y
	4 <sup>th</sup>	HALF-YEARLY EXAMINATION
	5 <sup>th</sup>	HALF-YEARLY EXAMINATION
OCTOBER	1 <sup>st</sup>	Going Places (Flamingo)
	2 <sup>nd</sup>	Memories of Childhood (Vistas)
	3 <sup>rd</sup>	On the face of it (Vistas)
	4 <sup>th</sup>	Aunt Jennifer's Tigers (Flamingo)
	5 <sup>th</sup>	Writing practices / REVISION - Entire Syllabus SYLLABUS COMPLETION

## PORTION OF EXAM 2023-2024

### MONDAY TEST PORTION

<u>1<sup>st</sup> Monday Test :</u>	Flamingo	-	1. The Last Lesson
		-	2. My mother at sixty six
	Vistas :-	-	1. The Third Level
	Reading	-	Comprehension
	Writing section	-	Notice, Report
<u>2<sup>nd</sup> Monday Test :</u>	Flamingo	-	1. Lost Spring
		-	2. Keeping Quiet
	Vistas :-	-	1. The Tiger King
			2. Journey to the End of the Earth
	Reading	-	Case based comprehension
	Writing section	-	Invitation, Letter writing
<u>3<sup>rd</sup> Monday Test :</u>	Flamingo	-	1. Indigo
		-	2. A thing of beauty ....
	Vistas :-	-	1. The Tiger King
			2. On the Face of it
	Reading	-	Comprehension
	Writing section	-	Article / Invitation

### HALF YEARLY PORTION

Flamingo Prose	:	1) The last lesson
		2) Lost Spring
		3) Deep water
		4) Rattrap
		5) Indigo
Vistas	:	1) The Third Level
		2) The Tiger King
		3) Journey to the End of the Earth
Poetry	:	1) My mother at Sixty Six
		2) Keeping Quiet
		3) A thing of beauty
Writing Session	:	Notice, Invitation, Report, Article
Reading Session	:	Comprehension

**Note : Pre-Board I & Pre-Board II :- Entire Syllabus**

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**M.G.M. HIGHER SECONDARY SCHOOL, B.S.CITY**

**SYLLABUS BREAK-UP FOR THE YEAR: 2023-2024**

**CLASS -XII**

**SUBJECT: INFORMATICS PRACTICES (NEW) - 065**

Month	Week	Unit	Chapters / Topics
March	3 <sup>rd</sup>	Unit -1	Revision of the basics of Python
	4 <sup>th</sup>		Data Handling using Pandas and Data Visualization Data Handling using Pandas –I – Introduction to Python
	5 <sup>th</sup>		Libraries- Pandas ,Matplotlib
April	2 <sup>nd</sup>		Data structures in Pandas - Series and data frames. Series Creation of series from dictionary
	3 <sup>rd</sup>		Series and data frames: Scalar Values
	4 <sup>th</sup>		Series and data frames: mathematical operations
	5 <sup>th</sup>		Series and data frames: series attributes, head and tail functions;
May	1 <sup>st</sup>		Series and data frames: mathematical operations; series attributes, head and tail functions;
	2 <sup>nd</sup>		Data Frames: creation of data frames from dictionary of series,
June	4 <sup>th</sup>	Data Frames: list of dictionaries	
	5 <sup>th</sup>	Unit -3 Societal Impacts ● Digital footprint, net and communication etiquettes, ● Data protection ● intellectual property rights (IPR), plagiarism, licensing and copyright	
July	2 <sup>nd</sup>	Unit-1	Data Frames: text/CSV files, display, iteration.
	3 <sup>rd</sup>		Operations on rows and columns: add ( insert /append) select, delete (drop column and row), rename
	4 <sup>th</sup>	Unit-3	Revision
	5 <sup>th</sup>	Unit- 1	Revision
August	1 <sup>st</sup>	Unit - 4	Head and Tail functions, indexing using labels, Boolean indexing. line plot, bar graph, histogram. Customizing plots; adding label, title, and legend in plots.
	2 <sup>nd</sup>		● Free and open source software (FOSS), ● Cybercrime and cyber laws, hacking, phishing, cyber bullying, overview of Indian IT Act.
	3 <sup>rd</sup>		● E-waste: hazards and management. Awareness about health concerns related to the usage of technology.
	4 <sup>th</sup>	Introduction to Computer Networks: ● Introduction to networks, Types of network: LAN, MAN, WAN. ● Network Devices: modem, hub, switch, repeater, router, gateway..	
	5 <sup>th</sup>	Unit-1	Revision of Series
September	1 <sup>st</sup>		Revision Of DataFrame
	2 <sup>nd</sup>		Revision Societal Impact
	3 <sup>rd</sup>		<b>Half Yearly</b>
	4 <sup>th</sup>		<b>Half Yearly</b>
	5 <sup>th</sup>		Text functions: UCASE ()/UPPER (), LCASE ()/LOWER () Text functions: ● MID ()/SUBSTRING ()/SUBSTR (), LENGTH (), LEFT (), RIGHT (), INSTR (), LTRIM (), RTRIM (), TRIM ().

<b>October</b>	1 <sup>st</sup>	<ul style="list-style-type: none"> <li>• Date Functions: NOW (), DATE (), MONTH (), MONTHNAME (), YEAR (), DAY (), DAYNAME ().</li> <li>Database Query using SQL</li> <li>• Math functions: POWER (), ROUND (), MOD ().</li> </ul>
	2 <sup>nd</sup>	<ul style="list-style-type: none"> <li>Aggregate Functions: MAX (), MIN (), AVG (), SUM (), COUNT (); using COUNT (*).</li> <li>• Querying and manipulating data using Group by, Having, Order by.</li> </ul>
	3 <sup>rd</sup>	<ul style="list-style-type: none"> <li>• Introduction to Internet, URL, WWW and its applications- Web, email, Chat, VoIP.</li> <li>• Network Topologies: Star, Bus, Tree, Mesh</li> <li>• Website: Introduction, difference between a website and webpage</li> </ul>
	4 <sup>th</sup>	<ul style="list-style-type: none"> <li>Static vs dynamic web page, web server and hosting of a website.</li> <li>• Web Browsers: Introduction, commonly used browsers, browser settings, add-ons and plug-ins, cookies.</li> </ul>
<b>November</b>	1 <sup>st</sup>	Revision
	3 <sup>rd</sup>	Revision
	4 <sup>th</sup>	Revision
	5 <sup>th</sup>	<b><u>Revision</u></b>
<b>December</b>	2 <sup>nd</sup>	1 <sup>st</sup> Pre- Board Examination
<b>January</b>	1 <sup>st</sup>	2 <sup>nd</sup> Pre- Board Examination

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**M.G.M HIGHER SECONDARY SCHOOL, BOKARO**

**SYLLABUS BREAKUP FOR THE YEAR : 2023 - 2024**

**CLASS – XII**

**SUBJECT – MATHEMATICS ( 041)**

MONTH	WEEK	UNIT NO.	CHAPTER/TOPIC
APRIL	1 <sup>st</sup>		<b>RELATION:</b> Types of relations: reflexive, symmetric, transitive.
	2 <sup>nd</sup>		Equivalence relations, Types of relations, Equivalence classes.
	3 <sup>rd</sup>		<b>FUNCTIONS :</b> Functions Types of functions, Composite functions,
	4 <sup>th</sup>		<b>INVERSE TRIGONOMETRIC FUNCTIONS:</b> Inverse of a Function, inverse trigonometric functions. <b>INVERSE TRIGONOMETRIC FUNCTIONS:</b> Definition, domain, range, Principal value branch of inverse trigonometric functions, Graphs of inverse trigonometric functions.
MAY	1 <sup>st</sup>		<b>MATRICES:</b> Types of matrices, Operation on matrices, Addition and multiplication and multiplication with a scalar and Transpose of a matrix, symmetric and skew symmetric matrices .
	2 <sup>nd</sup>		<b>DETERMINANTS :</b> Determinant of a square matrix (up to 3x3 Matrices), minors, Co- factors. Applications of determinants in finding the area of a triangle.
JUNE	3 <sup>rd</sup>		<b>MATRICES:</b> Adjoint and inverse of matrix, Solving a system of Linear Equations by Matrix Method
	4 <sup>th</sup>		<b>CONTINUITY AND DEPPERENTIABILITY:</b> Continuity of a point, continuous functions. <b>DEFFERENTIATION:</b> Chain rule, Derivatives of inverse trigonometric functions,
	5 <sup>th</sup>		Derivative of implicit function , Derivatives of logarithmic and exponential functions. Derivatives of function in parametric form, Second order
JULY	1 <sup>st</sup>		<b>APPLICATION OF DERIVATIVES :</b> Rate of change of bodies, increasing/decreasing functions, <b>APPLICATION OF DERIVATIVES</b> Increasing/decreasing functions
	2 <sup>nd</sup>		<b>APPLICATION OF DERIVATIVES :</b> Maxima & Minima. Simple problems <b>INDEFINITE INTEGRALS :</b> Integration as inverse process of differentiation, Integration by substitution,
	3 <sup>rd</sup>		Evaluation of integrals of some special functions Integration by partial fraction and by parts.
	4 <sup>th</sup>		<b>DEFINITE INTEGRALS :</b> Basic properties of definite integrals and <b>APPLICATION OF INTEGRALS :</b> Application in finding the area under simple curves, especially lines, circle/parabola /ellipse(in standard form only )
	5 <sup>th</sup>		Area between any of the two above said curves.
AUGUST	1 <sup>st</sup>		<b>DIFFERENTIAL EQUATIONS :</b> Definition, order and degree, general and particular solutions of homogeneous Solution of differential equations, Variable separable method.
	2 <sup>nd</sup>		Solutions of homogeneous differential equations of first order and first Degree. Solutions of linear differential equations. Revision:

<b>AUGUST</b>	3 <sup>rd</sup>		<b>VECTOR:</b> Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors). Position vector of a point, negative of a vector, components of a vector, Addition of vectors, multiplication of a vector by a scalar, position Vector of a point dividing a line segment in a given ratio. Definition,
	4 <sup>th</sup>		Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors, scalar triple product Of vectors.
	5 <sup>th</sup>		<b>THREE DIMENSIONAL GEOMETRY :</b> Straight line in space (Cartesian equation and vector equation of a line, coplanar and skew lines)
<b>SEPTEMBER</b>	1 <sup>st</sup>		<b>SHORTEST DISTANCE BETWEEN TWO LINES</b> Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, coplanar and skew lines,
	2 <sup>nd</sup>		<b>HALF YEARLY EXAMINATION</b>
	3 <sup>rd</sup>		Shortest distance between two lines. Cartesian and vector equation of a plane. Angle between (i) two lines, (ii) two planes, (iii) a line and a plane. Distance of a point from a plane.
<b>OCTOBER</b>	1 <sup>st</sup>		<b>LINEAR PROGRAMMING :</b> Introduction, related terminology such as constraints, objective function, optimization, different types of linear programming (L.P.) problems,
	2 <sup>nd</sup>		Mathematical formulation of L.P. problems, graphical method of solution for problems in two variables, Feasible and infeasible regions (Bounded or Unbounded).
	3 <sup>rd</sup>		<b>PROBABILITY :</b> Conditional probability, Multiplication theorem of total Probability, Baye's theorem, Random variable and its probability distribution, mean of random variable .
	4 <sup>th</sup>		<b>Revision.....</b>
	5 <sup>th</sup>		<b>SYLLABUS COMPLETION</b>

**PORTION FOR HALF YEAR EXAM**

Matrices, Determinants, Relations and Functions, Inverse Trigonometric functions. Continuity and Differentiability, Application of Derivative, Integrals (Indefinite and definite). Properties of Integrals. Application of Integrals, Differential Equations,

**PORTION FOR PRE-BOARD EXAM**

Vectors, Three-dimensional geometry, linear programming, Probability and whole portion of Midyear Exam.

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**M.G.M. HIGHER SECONDARY SCHOOL, B.S.CITY**  
**SYLLABUS BREAK-UP YEAR 2023-2024**

**CLASS – XII**  
**SUBJECT –PHYSICS**

Month	Week	Chapter No.	Chapter/Topic name
March	4 <sup>th</sup> and 5 <sup>th</sup> week	1	<b>Unit-1</b> Electrostatics- Electric charges and fields Electric charges, conservation of charge, Coulombs law-force between 2 point charges, force between multiple charges, superposition principle and continuous charge distribution. Electric field, electric field due to a point charge, field lines, electric dipole, electric field due to a dipole, torque on a dipole in uniform electric field.
April	1 <sup>st</sup>	2	Electric flux, statement of Gauss' theorem and its application to find electric field due to infinitely long wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside)
	2 <sup>nd</sup>	2	Electrostatic potential and capacitance Electric potential, potential difference, electric potential due to a point charge, dipole and system of charges,
	3 <sup>rd</sup>	2	equipotential surface, electric potential energy of system of two point charges and electric dipole in electrostatic field. Conductors and insulators, free charges and bound charges in a conductor. Dielectrics and electric polarisation, capacitors and capacitances, Practical 1: To Find resistivities of two or more wires by plotting a graph of potential differences vs current
	4 <sup>th</sup>	2 and 3	Combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with or without dielectric medium between the plates, energy stored in a capacitor (No derivation) <b>UNIT-2</b> Current electricity Electric current, flow of electric charges in a metallic conductor drift velocity, mobility and their relation with electric current, Ohm's law, electric resistance V-I characteristics (linear and non linear) Practical 1
May	1 <sup>st</sup>	3	Electric energy and power, electric resistivity and conductivity, temperature dependence of resistance Internal resistance of a cell, potential difference and emf of a cell, Practical 2: metre bridge to determine resistance. Activities A1, A2
	2 <sup>nd</sup>	3	combination of cells in series and in parallel, Kirchhoff's laws and Wheatstone bridge. Practical 2
June	3 <sup>rd</sup>	4	<b>UNIT-3</b> Magnetic effects of current and magnetism Moving charges and magnetism: concept of magnetic field, Oersted's experiments. Biot-Savart law and its application to current carrying circular loop Practical 3: To verify combination of resistors (series /parallel) using metre bridge
	4 <sup>th</sup>	4	Ampere's law and its application to infinitely long straight line, straight solenoids



			Force on a moving charge in uniform magnetic and electric fields, Force on a current carrying conductor in a uniform magnetic field, force between two parallel current carrying conductors- definition of one ampere. Practical 3
	5th	4	Torque experienced by a current loop in uniform magnetic field , moving coil galvanometer its current sensitivity and conversion to ammeter and voltmeter Magnetism and matter Bar magnet, magnetic field intensity due to a magnetic dipole along its axis and perpendicular to its axis(no mathematical treatment),torque on a magnetic dipole placed in uniform magnetic field Practical 4:To determine angle of minimum deviation in case of a prism by plotting a graph between i and d Activities A3,A4
July	I st	5	Magnetic properties of materials-Para, dia and ferromagnetic substances with examples, magnetisation of materials, effect of temperature on magnetic properties. Practical 4
	2nd	6	<b>UNIT IV.</b> Electromagnetic induction and alternating currents.Electromagnetic induction, Faraday's laws , induced emf and current. Lenz laws, Self and mutual induction. Practical 5To determine the focal length of a concave mirror
	3rd	6	Alternating current Alternating currents, peak and RMS value of alternating current voltage. Practical 5
	4th	7	Resistance and impedance , LC oscillations LCR circuits in series(Phasors only)Resonance, Practical 6To determine focal length of convex lens by plotting a graph between u and v or between 1/u and 1/v
	5th	7	Power in ac circuits, power factors, wattless current A.C generators and transformers Practical 6
August	I st	7 and 8	<b>UNIT V</b> Electromagnetic waves Basic idea of displacement current, electromagnetic waves , their characteristics, their transverse nature, electromagnetic spectrum including elementary facts about their uses. <b>UNIT VI OPTICS</b> Ray optics and optical instruments Reflection of light, spherical mirrors ,mirror formula, Practical 7 To determine focal length of convex mirror using convex lens Activities B1,B2
	2nd	9	refraction of light, total internal reflection and its applications, optical fibre, refraction at spherical surfaces.Lenses , lens formula, lens makers formula,magnification ,Practical 7
	3rd	9	power of a lens, combination of thin lenses in contact, Refraction and dispersion of light through the prism
	4th	9	Optical instruments:microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers. Wave optics Wave front and Huygens principle. Reflection and refraction of plane wave at a plane surface using wave fronts. Proof of laws of reflection

		10	and refraction using Huygens principle. Half yearly practical examination
	5th	10	Wave optics Wave front and Huygens principle. Reflection and refraction of plane wave at a plane surface using wave fronts. Proof of laws of reflection and refraction using Huygens principle. Half yearly practical examination.
September	1st	10	Interference .Young's double slit experiment and expression for bright and dark fringes fringe width( No derivation final expression only)coherent sources and sustained interference of light Diffraction due to single slit(only qualitative treatment , width of central maximum(qualitative treatment only)
	2nd		UNIT VII :Dual nature of matter and radiation photoelectric effect,Hertz and Leonard observations Revision
	3rd		Half yearly examination
	4th		Einstein's photoelectric equation-particle nature of light.Matter waves - wave nature of particle, de -Broglie relation
October	I st& 2 <sup>nd</sup>	Unit VIII Chapter 12 and 13	<b>UNIT –VIII</b> Atoms Alpha particle scattering experiment , Rutherford Model of atom,Bohr's model of hydrogen atom,expression for radius of nth possible orbit, velocity and energy of electron in its orbit. Nucleus-Composition and size of nucleus ,nuclear force Mass-energy relation ,mass defect; binding energy per nucleon and its variation with mass number, nuclear fission and fusion Practical8:To study characteristics of p.n. junction diode in forward and reverse bias Activities B3,B4
	2nd & 3rd	14	Practical 8 <b>UNIT –IX – Electronic devices</b> Energy bands in solids- conductor insulator and semi-conductors (qualitative idea only)
	4th	14	Intrinsic and extrinsic semi conductors p and n type, p-n junction diodes,I-Vcharacteristics in forward and reverse bias,application of junction diode as a rectifier

**PORTION OF EXAM WITH MARKS**  
**WEIGHTAGE FOR YEAR 2023-2024**

Exam	Name of the chapters	Weightage
<b>I Monday test</b>	Unit 1 Electrostatics	14
	Unit- 2 Current electricity	11
<b>II Monday test</b>	Unit3Magnetic effect of electric current and magnetism	13
	Unit-4 Electromagnetic induction and a.c	12
<b>Half yearly</b>	Unit 1 Electrostatics	18
	Unit 2 Current electricity	14
	Unit 3 Magnetic effect of electric current and magnetism	17
	Unit 4 Electromagnetic induction and a.c	16
	Unit 5 Electromagnetic waves	05
<b>III Monday test</b>	Unit 6 Optics	16

	Unit 7 Dual nature of matter and radiation	09
<b>I PRE BOARD</b>	Unit -6 Optics	26
	Unit -7 Dual nature of matter and radiation	15
	Unit 8 Atoms and nuclei	13
	Unit 9 Semi conductors and electronic devices	16
<b>II PRE BOARD</b>	Unit 1 Electrostatics	9
	Unit 2 Current electricity	7
	Unit 3 Magnetic effect of electric current and magnetism	9
	Unit 4 Electromagnetic induction and a.c	8
	Unit 5 Electromagnetic waves	3
	Unit 6 Optics	15
	Unit 7 Dual nature of matter and radiation	6
	Unit 8 Atoms and nuclei	6
	Unit 9 Electronic devices	7

**PORTION FOR MONDAY TESTS ,HALF YEARLY AND PREBOARDS**

**I MONDAY TEST**

UNIT 1 ELECTROSTATICS  
UNIT 2 CURRENT ELECTRICITY

**II MONDAY TEST**

UNIT 3 MAGNETIC EFFECT OF ELECTRIC CURRENT AND MAGNETISM  
UNIT 4 ELECTROMAGNETIC INDUCTION AND ALTERNATING CURRENT

**HALF YEARLY EXAMINATION**

UNIT 1 ELECTROSTATICS  
UNIT 2 CURRENT ELECTRICITY  
UNIT 3 MAGNETIC EFFECT OF ELECTRIC CURRENT AND MAGNETISM  
UNIT 4 ELECTROMAGNETIC INDUCTION AND ALTERNATING CURRENT  
UNIT 5 ELECTROMAGNETIC WAVES

**THIRD MONDAY TEST**

UNIT 6 OPTICS  
UNIT 7 DUAL NATURE OF MATTER AND RADIATION

**FIRST PRE BOARD EXAM**

UNIT 6 OPTICS  
UNIT 7 DUAL NATURE OF MATTER AND RADIATION  
UNIT 8 ATOMS AND NUCLEI  
UNIT 9 ELECTRONIC DEVICES

**II PRE BOARD EXAM**

UNIT 1 ELECTROSTATICS  
UNIT 2 CURRENT ELECTRICITY  
UNIT 3 MAGNETIC EFFECT OF ELECTRIC CURRENT AND MAGNETISM  
UNIT 4 ELECTROMAGNETIC INDUCTION AND ALTERNATING CURRENT  
UNIT 5 ELECTROMAGNETIC WAVES  
UNIT 6 OPTICS  
UNIT 7 DUAL NATURE OF MATTER AND RADIATION  
UNIT 8 ATOMS AND NUCLEI  
UNIT 9 ELECTRONIC DEVICES

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**M.G.M. HIGHER SECONDARY SCHOOL, B.S.CITY**  
**SYLLABUSBREAK-UPFOR THE YEAR:2023-2024**  
**CLASS -XII**  
**SUBJECT: : PSYCHOLOGY (037)**

MONTH	WEEK	CHAPTER NAME AND TOPICS
March	3 15th -17th	<b>Chapter 1: Variations in Psychological Attributes</b> 1. Introduction 2. Individual Differences in Human Functioning 3. Assessment of Psychological Attributes
March	4 20th - 24th	– Some Domains of Psychological Attributes – Assessment Method 4. Intelligence
March	5 27th - 31st	5. Theories of Intelligence – Theory of Multiple Intelligences – Triarchic Theory of Intelligence,
April	1 3rd - 5th	– Planning, Attention-Arousal and Simultaneous Successive Model of Intelligence 6. Individual Differences in Intelligence
April	2 10th - 13th	– Variations of Intelligence – Some Misuses of Intelligence Tests 7. Culture and Intelligence
April	3 17th - 21st	8. Emotional Intelligence – Characteristics of Emotional Intelligent Persons 9. Special Abilities: Aptitude: Nature and Measurement
April	4 24th - 28th	10. Creativity – Creativity and Intelligence <b>Chapter 2: Self and Personality</b> 1. Introduction 2. Self and Personality
May	1 1st - 5th	<b>Monday Test ( 01-05-2023)</b> <b>Portion - Ch-1(Variations in Psychological Attributes)</b> 3. Concept of Self 4. Cognitive and Behavioural Aspects of Self – Self-esteem, Self-efficacy and Self-regulation 5. Culture and self
May	2 8th - 12th	6. Concept of personality – Personality-related Tests 7. Major approaches to the study of personality – Type Approach – Trait Approach

<b>June</b>	3 19th - 23rd	Five-Factors Model of Personality – Psychodynamic Approach – Behavioural approach
<b>June</b>	4 26th - 30th	– Cultural approach – Humanistic approach – Who is a Healthy Person? 8. Assessment of Personality – Self-report Measures
<b>July</b>	1 3rd - 7th	– Projective Techniques – Behavioural Analysis  <b>Chapter 3: Meeting Life Challenges</b> 1. Introduction 2. Nature, Types and Sources of Stress
<b>July</b>	2 10th - 14th	– A Measure of Stressful Life Events 3. Effects of Stress on Psychological Functioning and Health – Examination Anxiety – Stress and Health – General Adaptation Syndrome
<b>July</b>	3 17th - 21st	– Stress and Immune System – Lifestyle 4. Coping With Stress – Stress Management Techniques 5. Promoting Positive Health and Well-being – Life Skills – Resilience and Health
<b>July</b>	4 24th - 28th and 31st.	<b>Monday Test (24-07-2023)</b> <b>Portion - Ch-2 (Self and Personality )</b> <b>Ch-3 (Meeting Life Challenges)</b>  <b>Chapter 4: Psychological Disorders</b> 1. Introduction 2. Concepts of Abnormality and Psychological Disorders 3. Classification of Psychological Disorders
<b>August</b>	1 1st - 4th	4. Factors Underlying Abnormal Behaviour 5. Major Psychological Disorders – Anxiety Disorders – Obsessive-Compulsive and Related Disorders
<b>August</b>	2 7th - 11th	– Trauma- and Stressor- Related Disorders – Somatic Symptom and Related Disorders – Dissociative Disorders – Salient Features of Somatic Symptom and Related Disorders and Dissociative Disorders – Depressive Disorders

		– Bipolar and Related Disorders
<b>August</b>	3 14th - 18th	– Schizophrenia spectrum and other psychotic disorders – Neurodevelopmental disorders – Disruptive, Impulse-Control and Conduct Disorders – Feeding and eating disorder – Substance related and addictive disorders – Effects of Alcohol – Commonly Abused Substances
<b>August</b>	4 21st - 25th	<b>Chapter 5: Therapeutic Approaches</b> 1. Introduction 2. Nature and Process of Psychotherapy – Therapeutic relationships 3. Type of Therapies
<b>August</b>	5 28th - 31st	– Steps in the Formulation of a Client’s Problems – Behaviour Therapy – Relaxation Procedures – Cognitive Therapy – Humanistic existential therapy – Alternative Therapies 4. Rehabilitation of the Mentally Ill
<b>September</b>	1 4th - 8th	<b>Revision</b> <b>Chapter - 1,2,3 and 4</b>
<b>September</b>	2 and 3 11th - 22nd	<b>Half-Yearly Examination:</b> <b>Portion - Chapter 1,2,3 and 4</b>
<b>September</b>	4 25th - 29th	<b>Chapter 6: Attitude and Social Cognition</b> 1. Introduction 2. Explaining Social Behaviour 3. Nature and Components of Attitudes
<b>October</b>	1 3rd - 6th	– A Green Environment :The A-B-C Components of an Attitudes 4. Attitude formation and change – Attitude formation – Attitude Change – Telling a Lie for Twenty Dollars
<b>October</b>	2 9th - 13th	– Attitude-Behaviour Relationship 5. Prejudice and discrimination 6. Strategies for handling prejudice <b>Chapter 7: Social Influence and Group Processes</b> 1. Introduction
<b>October</b>	3 16th - 20th	<b>Monday Test (16-10-2023)</b> <b>Portion - Ch-5(Therapeutic approaches)</b> <b>Ch-6(Attitude and Social cognition)</b>

		2. Nature and Formation of Groups – Groupthink 3. Type of Group – The Minimal Group Paradigm Experiments
<b>October</b>	4 26th - 31st	4. Influence of Group on Individual Behaviour – Social loafing – Group polarisation
<b>November</b>	1 1st - 3rd	– <b>Revision</b> <b>Chapter - 1, 2 and 3</b>
<b>November</b>	2,3 and 4 6th - 30th	– <b>Revision</b> <b>Chapter - 4, 5, 6 and 7</b>
<b>December</b>	1	<b>1st Pre-Board</b> <b>Chapter 4,5,6 and 7</b>
<b>January</b>	1	<b>2nd Pre-Board</b> <b>Entire Portion</b>

### **PORTION FOR EXAMINATION**

**1st Monday Test**

Chapter - 1 : Variations in Psychological Attributes

**2nd Monday Test**

Chapter - 2: Self and Personality

Chapter - 3: Meeting life Challenges

**Half Yearly Examination**

Chapter - 1 : Variations in Psychological Attributes

Chapter - 2: Self and Personality

Chapter - 3: Meeting life Challenges

**3rd Monday Test**

Chapter - 5: Therapeutic Approaches

Chapter - 6: Attitude and Social Cognition

**First Pre-Board Examination (2023-2024)**

Chapter - 4: Psychological Disorders

Chapter - 5: Therapeutic Approaches

Chapter - 6: Attitude and Social Cognition

Chapter - 7: Social Influence and Group Processes

**Second Pre-Board Examination (2023-2024)**

Entire Portion of the syllabus

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**M.G.M. HIGHER SECONDARY SCHOOL, B.S.CITY**  
**SYLLABUSBREAK-UPFORTHEYEAR:2023-2024**  
**CLASS -XII**  
**SUBJECT: RETAIL**

MONTH	WEEK	UNIT NO.	CHAPTER / TOPIC
<b>MARCH</b>	3 <sup>RD</sup>	<b>1.DISPLAY OF PRODUCTS AND SATISFY CUSTOMER NEEDS</b>	<b>SESSION1: DISPLAY OF PRODUCTS AND SATISFY CUSTOMER NEEDS</b> Creating attractive Display: Idea about store, Display Tool Box-Element of effective visual Merchandising- Supermarket Display Techniques- Retail Luxury Products Display Methods
	4 <sup>TH</sup>	1	<b>SESSION 1: DISPLAY OF PRODUCTS AND SATISFY CUSTOMER NEEDS(Contd.)</b> Effective Merchandising- Managing spaces- Display Suggestion- Basic Merchandising Rules-Sample sales floor plan-Promotional activities- Display of Promotion- Preparing a Store for a Sale: Preparing Self for sell-Establishing Customer needs- Principle of Retail Shoppability
<b>APRIL</b>	1 <sup>ST</sup>	1	<b>SESSION 2: SALE AND DELIVERY OF PRODUCTS</b> Customizing the Process of Sale of Product- Point of Sale Procedure-Strategies of Delivery of Product- Customer centric Strategies- Factors to be considered-Retail market Complexities- Focusing on Key Areas of Customer Centric Retailing- Steps Involved- Elements of a direct Delivery Business
	2 <sup>ND</sup>	1	<b>SESSION 3: MAINTENANCE OF STORE AREAS AND COMMUNICATE EFFECTIVELY WITH STAKEHOLDERS</b> Maintenance and Cleaning of Store area- Objectives-Developing maintenance and assets Management Strategies- Communicating effectively with Stakeholders- Communication Strategies
	3 <sup>RD</sup>	1	<b>SESSION 4: DUTIES &amp; RESPONSIBILITIES OF SALES SUPERVISOR</b> Characteristics of a Sale Supervisor-Duties of A Sale Supervisor- Responsibilities of a Sale Supervisor- Classification of Supervisor
	4 <sup>TH</sup>	1	<b>SESSION 4: DUTIES &amp; RESPONSIBILITIES OF SALES SUPERVISOR (Contd.)</b> Functions ( Managerial, Administrative & Miscellaneous) and Responsibilities of a Sales Manager, Leadership attributes and Skill in retail Industry- Leadership Attributes Table



<b>MAY</b>	1 <sup>ST</sup>	<b>2.NON- STORE RETAILING</b>	<b>SESSION 1: E-Retailing Logistics</b> Concept of E-Retailing- Payment Mechanism, Product delivery methods- Advantages, Shortcomings of E-Retailing, Various E- retailing resources, Significance and role of ICT in E-Retailing- Factors contributing to success of E-Retailing- Safety requirement in E-Retailing <b>SESSION 1: E-Retailing Logistics( Contd.)</b> Significance and role of ICT in E- Retailing- Factors contributing to success of E-Retailing- Safety requirement in E-Retailing
	2 <sup>ND</sup>	2	<b>SESSION 2: E-MARKETING</b> Attributes – Dimension of E- Marketing- E-Mail marketing Classification- Advantage & Disadvantages– E-mail Marketing- 7Cs of E-Marketing- Traditional Marketing Vs E-Marketing
	3 <sup>RD</sup>		<b>SUMMER VACATION</b>
	4 <sup>TH</sup>		<b>SUMMER VACATION</b>
<b>JUNE</b>	1 <sup>ST</sup>		<b>SUMMER VACATION</b>
	2 <sup>ND</sup>		<b>SUMMER VACATION</b>
	3 <sup>RD</sup>		<b>SUMMER VACATION</b>
	4 <sup>TH</sup>	2	<b>SESSION 3: TELEMARKETING</b> Meaning – Importance- Call Centres- Advantages & Disadvantages of Telemarketing- Scope of Telemarketing- Essentials of Successful Telemarketing
5 <sup>TH</sup>	2	<b>SESSION 4: INTERNET BUSINESS</b> Meaning- Internet Business Subsets-Internet Business Model- Classifications- Issues of Internet Business-Common Security Measures & Security Solutions	
<b>JULY</b>	1 <sup>ST</sup>	<b>3.RETAIL POINT-OF-SALE: AN OVERVIEW</b>	<b>SESSION 1: UNDERSTANDING COMPONENTS OF POINT-OF-SALES</b> Components of Point-of- Sale <b>SESSION 2: UNDERSTANDING THE PROCESS OF POINT-OF-SALE</b> Process involved in Transacting at check-out-point <b>SESSION 3: LEARNING POINT OF SALE MARKETING</b> Types of Point-Of –Sale Marketing & Importance of POS

	2 <sup>ND</sup>	<b>Employability Skills</b>	<p><b>SESSION 1:</b>Communication Skill- Listening Skill-Factors affecting active Listening Skill- Stages of Listening( Communication)- Barriers of Effective Listening</p> <p><b>SESSION 2:</b>Parts of Speech- Sentence- Phrase; Rules of Capitalisation&amp; Punctuation- Supportive Parts of Speech-Articles, Conjunctions, Preposition, Interjections</p> <p><b>SESSION 3:</b>Sentence Construction, Types of Sentences (Voice)</p>
	3 <sup>RD</sup>	<b>Self Management Skills</b>	<p><b>SESSION 1:</b>Management Skills , Motivation&amp; Attitude- ways to maintain positive outlook- Stress Management</p> <p><b>SESSION 2:</b>Result Orientation Skill – Meaning, Becoming Result Oriented- Goal setting</p> <p><b>SESSION 3:</b>Self Awareness- Meaning-Self awareness&amp; Personality – Personality Disorder</p>
	4 <sup>TH</sup>	<b>ICT Skills</b>	<b>SESSION 3:</b> Working with Data and Formatting Text-using Spreadsheet- Mathematical Operation using formulas
	5 <sup>TH</sup>	<b>ICT Skills</b>	<p><b>SESSION 4:</b> Advanced features of Spreadsheet Sorting –Filtering Data, Protecting Spreadsheet with Password</p> <p><b>SESSION 5:</b> Presentation Software: Libre Office, MS Office, Open Office Impress, Google Slides, Apple Keynote</p>
<b>AUGUST</b>	1 <sup>ST</sup>	<b>4. BILLING AND ACCOUNTING PROCEDURES IN RETAILING</b>	<p><b>SESSION 1: Billing Procedures</b></p> <p>Types of Billing and Accounting Heads - Features of Retail billing- Understanding basic accounting terminologies related with Billing &amp; Accounting Procedures.</p> <p>Modes of Payment- Precaution to be taken while handling the modes of Payments - Understanding uses of Various Equipments used in Payment Process-Web Reporting- Telecom Billing</p>
	2 <sup>ND</sup>	4	<b>SESSION 2:Fundamentals of Accounting</b> Meaning, Objective, Characteristics, Function of accounting-Book keeping- Classification of account and Rule of entry of transaction in accounts
	3 <sup>RD</sup>	4	<b>SESSION 2:Fundamentals of Accounting( Contd.)</b> Types of accounting- System/Bases of accounting- Accounting Information – User of accounting Information– Accounting Principles: Concepts & Convention – Advantages & Limitation of Accounting

	4 <sup>TH</sup>	4	<b>SESSION 3: Journal, Ledger and Subsidiary Books</b> Meaning of Journal- Features- Proforma- Recording Transaction in Journal Ledger-Meaning, Necessity- preparation
	5 <sup>TH</sup>	4	<b>SESSION 3:Journal, Ledger and Subsidiary Books( Contd.)</b> Subdivision of Journal- Subsidiary Book- Need- Types- Proforma of various Subsidiary books- Debit Note& Credit Note- Cash book- Types- Deposit Account
<b>SEPTEMBER</b>	1 <sup>ST</sup>	4	<b>SESSION 3:Journal, Ledger and Subsidiary Books( Contd.)</b> Trial Balance- Bank reconciliation Statement- Need- Advantage &Preparation
	2 <sup>ND</sup>	4	<b>SESSION 4: Trading , Profit &amp; Loss Account and Balance Sheet</b> Debit Balance and Credit Balance of Account in Trial Balance-Cost of Goods sold – Preparation of Trading and Profit & Loss Account- Items of Trading & Profit and Loss Account
	3 <sup>RD</sup>		<b>TERM –I</b>
	4 <sup>TH</sup>	<b>4</b>	<b>SESSION 4: Trading , Profit &amp; Loss Account and Balance Sheet (Contd.)</b> Preparation of Trading and Profit & Loss Account- Balance Sheet
<b>OCTOBER</b>	1 <sup>ST</sup>	<b>5.INVENTORY HANDLING</b>	<b>SESSION 1: Understanding the basics of Inventory Handling</b> Need of maintaining Inventory- Inventory Control Method-Special terms in Inventory Management
	2 <sup>ND</sup>		<b>SESSION 2/ 3:Understanding the Process of Inventory Handling- I &amp; II</b> Steps involved in Inventory Handling
	3 <sup>RD</sup>	<b>Entrepreneurship Skill</b>	<b>SESSION 1:</b> Meaning of Entrepreneur & Entrepreneurship- Characteristics- Qualities of a Successful Entrepreneur- Types of Entrepreneur- Role & functions of an Entrepreneur
	4 <sup>TH</sup>	<b>Entrepreneurship Skill</b>	<b>SESSION 1(Contd.):</b> Factors/ Qualities that motivates an Entrepreneur- Risk Evaluation- Start Ups <b>DUSSEHRA VACATION</b>
<b>NOVEMBER</b>	1 <sup>ST</sup>	<b>Entrepreneurship Skill</b>	<b>SESSION 2:</b> Barriers to Entrepreneurship-Types and effect <b>SESSION 3:</b> Entrepreneurial Attitude
	2 <sup>ND</sup>	<b>Entrepreneurship Skill</b>	<b>SESSION 4:</b> Entrepreneurial Competencies
			<b>DIPAWALI</b>

	3 <sup>RD</sup>	<b>Green skill</b>	<b>SESSION 1:</b> Meaning of Green Jobs- Benefits of Green Job- Areas of Green Job
	4 <sup>TH</sup>	<b>Green skill</b>	<b>SESSION 2:</b> Importance of Green Job Minimising waste and Pollution- Protecting & Restoring Ecosystem- Adapting to the effects of Climate Change
<b>DECEMBER</b>	1 <sup>ST</sup>		<b>PRE-BOARD</b>
	2 <sup>ND</sup>		<b>SYLLABUS COMPLETION</b>

**PORTION FOR MONDAY TEST**

<b>1<sup>st</sup> Monday Test</b> <b>01.05.2023</b>	<b>Ch: 1 Nature &amp; significance of Management</b> <b>Ch: 2 Principles of Management</b>	
<b>2<sup>nd</sup> Monday Test</b> <b>24.07.23</b>	<b>Ch: 3 Business Environment</b> <b>Ch: 4 Planning</b> <b>Ch: 5 Organising</b>	
<b>3<sup>rd</sup> Monday Test</b> <b>16.10.23</b>	<b>Ch: 6 Directing</b> <b>Ch: 8 Marketing</b>	

**CLASS – XII (SESSION 2023-2024)**  
**Total Marks: 100 (Theory - 60 + Practical - 40)**

<b>RETAIL (SUBJECT CODE 801)</b> <b>Class XII (Session 2020-21)</b>			
	<b>UNITS</b>	<b>NO. OF HOURS for Theory and Practical</b>	<b>MAX. MARKS for Theory and Practical</b>
	<b>Employability Skills</b>		
	Unit 1 : Communication Skills-IV	13	10
	Unit 2 : Self-Management Skills- IV	07	
	Unit 3 : ICT Skills- IV	13	
	Unit 4 : Entrepreneurial Skills- IV	10	
	Unit 5 : Green Skills- IV	07	
	<b>Total</b>	<b>50</b>	
	<b>Subject Specific Skills</b>		
	Unit-1: Display of Product & Satisfy customer Needs	12	6
	Unit-2: Non- Store Retailing	13	6
	Unit-3: Retail Point – of Sale : An Overview	35	13
	Unit-4: Billing and Accounting	35	13

	Unit-5: Investor Handling	25	12
	<b>Total</b>	<b>120</b>	<b>50</b>
	<b>Practical Work</b>		
	Project	90	10
	Viva		05
	Practical File		15
	Demonstration of skill competency via Lab Activities		10
	<b>Total</b>	<b>90</b>	<b>40</b>
	<b>GRAND TOTAL</b>	<b>260</b>	<b>100</b>

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**MGM HIGHER SECONDARY SCHOOL, B.S.CITY**  
**PORTION OF EXAM FOR THE YEAR 2023-24**  
**CLASS – XII**  
**SUBJECT – SOCIOLOGY**

<b>EXAM</b>	<b>CHAPTER NO.</b>	<b>NAME OF CHAPTER</b>
<b>1<sup>st</sup> Monday Test</b>	Chapter- 2	The Demographic Structure Of Indian Society
	Chapter-3	Social Institutions: Continuity And Change
<b>2<sup>nd</sup> Monday Test</b>	Chapter-5	Patterns Of Social Inequality And Exclusion
	Chapter-6	The Challenges Of Cultural Diversity
<b>Half yearly exam</b>	Chapter-2	The Demographic Structure Of Indian Society
	Chapter-3	Social Institutions: Continuity And Change
	Chapter-5	Patterns Of Social Inequality And Exclusion
	Chapter-6	The Challenges Of Cultural Diversity
	Chapter-8	Structural Change
<b>3<sup>rd</sup> Monday Test</b>	Chapter-9	Cultural Change
	Chapter-11	Change And Development In Rural Society
<b>1<sup>st</sup> Pre- Board</b>	Chapter-9	Cultural Change
	Chapter- 11	Change And Development In Rural Society
	Chapter-12	Change And Development In Industrial Society
	Chapter-15	Social Movements
<b>2<sup>nd</sup> Pre- board</b>	Chapter- 2,3,5 & 6	Entire syllabus (Indian Society)
	Chapter- 8, 9,11,12 & 15	Entire syllabus (Social Change and Development in India)

**MGM HIGHER SECONDARY SCHOOL, B.S.CITY**  
**SYLLABUS BREAK-UP YEAR 2023-2024**  
**CLASS – XII**  
**SUBJECT – SOCIOLOGY**

YEAR/ MONTH	WEEK	CHAPTER NO.	CHAPTERS/TOPICS
2023 MARCH	3 <sup>rd</sup>	<b>Chapter–2</b> The Demographic Structure Of Indian Society	<b>Unit 2:</b> The Demographic Structure of the Indian Society: Theories And Concepts Of Demography, Malthusian Theory Of Population Growth.
	4 <sup>th</sup>	<b>Chapter–2</b> The Demographic Structure Of Indian Society	Theory Of Demographic Transition, Common Concept And Indicators, Size And Growth Of India’s Population.
	5 <sup>th</sup>	<b>Chapter–2</b> The Demographic Structure Of Indian Society	Decline Sex Ratio In India, Population Policies In India.
2023 APRIL	2 <sup>nd</sup>	<b>Chapter–3</b> Social Institutions: Continuity And Change	<b>Unit 3:</b> Social Institutions: Continuity and Change Caste And Caste System, Caste In The Past, Common Features Of Caste, Colonialism In Caste.
	3 <sup>rd</sup>	<b>Chapter–3</b> Social Institutions: Continuity And Change	Caste In The Present, Tribal Communities, Classification Of Tribal Societies, Permanent Traits, Acquired Traits.
	4 <sup>th</sup>	<b>Chapter–3</b> Social Institutions: Continuity And Change	Mainstream Attitude Towards Tribes, National Development Vs. Tribal Development, Tribal Identity Today.
	5 <sup>th</sup>	<b>Chapter–3</b> Social Institutions: Continuity And Change	Family And Kinship, Nuclear And Extended Family, The Diverse Forms Of Family
2023 MAY	1 <sup>st</sup>	<b>Chapter- 5</b> Patterns Of Social Inequality And Exclusion	<b>Unit 5:</b> Patterns of Social Inequality and Exclusion Social In equality And Social Exclusion, Key Principles To Explain Social Stratifications, Term Prejudice, Stereotype Discrimination.
	2 <sup>nd</sup>	<b>Chapter- 5</b> Patterns Of Social Inequality And Exclusion	Caste And Tribe, Systems Justifying And Perpetuating Inequality And Struggles, Caste System As Discriminatory System, Untouchability.
2023 JUNE	4 <sup>th</sup>	<b>Chapter- 5</b> Patterns Of Social Inequality And	State And Non– State Initiatives Addressing Caste And Terms Discrimination, Other Backward Classes, Adivasi Struggles, Struggle For Women’s Equality And Rights, Struggle Of The Differently Able.

		Exclusion	
	5 <sup>th</sup>	<b>Chapter–6</b> The Challenges Of Cultural Diversity	<b>Unit 6:</b> The Challenges of Cultural Diversity Cultural Communities And The Nation State, Importance Of Community Identity, Communities, Nations And Nation States, Cultural Diversity And Indian Nation State.
2023 JULY	2 <sup>nd</sup>	<b>Chapter–6</b> The Challenges Of Cultural Diversity <b>Chapter–7</b>	Fostering Cultural Diversity, Strengthened Faith In The Indian State, Regionalism In The Indian Context, The Nation State And Religion Related Issues And Identities, Minority Rights Nation Building, State And Civil Society. (Project Work)
	3 <sup>rd</sup>	<b>Chapter–8</b> Structural Change	<b>Unit 8:</b> Structural Change Colonial Experience, Tea Plantation, Industrialization In Independent India
	4 <sup>th</sup>	<b>Chapter–8</b> Structural Change	Urbanization In Independent India.
	5 <sup>th</sup>	<b>Chapter – 9</b> Cultural Change	<b>Unit 9:</b> Cultural Change Social Reform Movements In The 19 <sup>th</sup> And 20 <sup>th</sup> Century.
	1 <sup>st</sup>	<b>Chapter – 9</b> Cultural Change	Different Social Reformers, How Do We Approach The Study Of Sanskritization, Westernization, Modernization And Secularization.
2023 AUGUST	2 <sup>nd</sup>	<b>Chapter – 9</b> Cultural Change	Different Types Of Social Change, Sanskritization, Westernization, Modernization And Secularization.
	3 <sup>rd</sup>	<b>Chapter – 9</b> Cultural Change	Modernization And Secularization, Their Achievements And Comparisons.
	4 <sup>th</sup>	<b>Chapter–11</b> Change And Development In Rural Society	<b>Unit 11:</b> Change and Development in Rural Society Change And Developments In Rural Society, Agrarian Structure, Land Reforms.
	5 <sup>th</sup>	<b>Chapter–11</b> Change And Development In Rural Society	Caste And Class In Rural India, Impact Of Land Reforms, Colonial Period, Independent India.
	2023 SEPTEMBER	1 <sup>st</sup>	<b>Chapter–11</b> Change And Development In Rural Society
2 <sup>nd</sup>		Revision	Revision for Half Yearly Exam
3 <sup>rd</sup>		<b>EXAM</b>	<b>Half Yearly Examination</b>
4 <sup>th</sup>		<b>EXAM</b>	<b>Half Yearly Examination</b>
5 <sup>th</sup>		<b>Chapter–12</b> Change And Development In Industrial Society	<b>Unit 12:</b> Change and Development in Industrial Society Images Of Industrial Society, Industrialization In India.
2023 OCTOBER	1 <sup>st</sup>	<b>Chapter–12</b> Change And Development In Industrial Society	Industrialization In The Early Years Of India Independence.
	2 <sup>nd</sup>	<b>Chapter–12</b> Change And Development In	Globalization, Liberalization And Changes In Indian Industry.



		Industrial Society	
	3 <sup>rd</sup>	<b>Chapter-12</b> Change And Development In Industrial Society	How People Find Jobs, How Work Is Carried Out, Working Conditions, Strikes And Unions.
	4 <sup>th</sup>	<b>Chapter – 15</b> Social Movements	<b>Unit 15: Social Movements</b> Features Of Social Movements, Distinguishing Social Changes And Social Movement, Social Movements Important For Sociology,
	5 <sup>th</sup>	<b>Chapter – 15</b> Social Movements	Theories And Classification Of Social Movements.
2023 NOVEMBER	1 <sup>st</sup>	<b>Chapter – 15</b> Social Movements	Types Of Social Movements, Reformists, Redemptive And Revolutionary, Distinguishing Between New And Old Social Movements.
	2 <sup>nd</sup>	<b>Chapter – 15</b> Social Movements	Ecological Movements, Peasants Movements, Workers Movements, Dalits Movements, Backward Class Caste Movements And Women’s Movements In Independent India.
	3 <sup>rd</sup> , 4 <sup>th</sup> & 5 <sup>th</sup>	Revision	<b>Completion of Syllabus &amp; Revision</b>
2023 DECEMBER	2 <sup>nd</sup>	<b>EXAM</b>	<b>1<sup>st</sup> Pre-Board Examination</b>
2024 JANUARY	1 <sup>st</sup>	<b>EXAM</b>	<b>2<sup>nd</sup> Pre-Board Examination</b>

**NOTE:** Chapter- 1, 4, 10, 13 and 14 (not for evaluation), deleted by CBSE in 2023-24.