

SYLLABUS BIFURCATION 2024-25

CLASS IX

SUBJECT – English

BOOKS –BOOKS: 1. Beehive

2. Moments(Supplementary Reader)

3.Applied English Grammar and Composition

PUBLISHER – NCERT

ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH	TOPICS	PERIODS REQUIRED	ACTIVITIES
	15%	APRIL	1. The Fun They Had(04) 2. The Road not Taken (Poem) (03) 3. The Sound of Music(04) 4. The Lost Child (03) 5. WS-Diary Entry (01) 6. GR- Tenses (03) 7. The Little Girl (04)	22	Activity: Portfolio (Diary Entry)
	15%	MAY	1. The adventures of Toto (03) 2. WS- Paragraph Writing(03) 3. GR- Reported Speech (06) 4. Wind (03) 5. Story Writing (03)	18	Multiple Assessment- Write an article on Preservation of Animals is Preservation of Humanity.
		JUNE	Summer Vacation	00	Subject Enrichment- Make a video, briefing and introducing yourself. (Duration 1 minute)
1ST UNIT TEST					
	10%	JULY	1. A truly beautiful mind (04) 2. Rain on the roof (03)	14	Portfolio Activity- A self-composed poem describing the beauty of nature.

			3. Iswaran the Storyteller (04) 4. Subject Verb Concord (03)		
	15%	AUG	1. The Snake and the Mirror (04) 2. My Childhood (05) 3. The Lake Isle of Innisfree (03) 4. A Legend of Northland (3) 5. Grammar Revision (05)	20	Multiple Assessment- Go to the local library in your locality and find legends in your own language.
	10%	SEP	1. Modal Verbs (02) 2. Reported Speech (05) 3. Editing/ Omission (02) 4. Revision (06)	15	Multiple Assessment- Activity Prepare a bar graph of your progress in the hobby that you pursued from April to July 2023. (Interdisciplinary)
HALF YEARLY EXAMINATION			All topics covered till September		
	10%	OCT	1. Reach for the Top (06) 2. No men are foreign (02) 3. In the kingdom of Fools (02) 4. The Happy Prince (03) 5. REVISION (03)	16	Portfolio: You are a travel agent. A family of five members approached you to plan a trip to Malaysia. Prepare a mind map of five day trip from the booking of the tickets to their return from the trip.

					Induce necessary documents required for the trip.
	8%	NOV	1. Kathmandu (04) 2. On killing a tree (04) 3. The Last Leaf (04) 4. Integrated Grammar (03)	15	Subject Enrichment: Take an interview of your friend/ sibling/neighbor asking about their achievements.
	7%	DEC	1. A house is not a home (05) 2. If I were You (06) 3. Reported Speech (03) 4. Descriptive Paragraph (Event) 02)	16	Prepare a two minutes speech on: Your body speaks your mind.
	10%	Jan	1.The Beggar (04) 2. A slumber did my spirit seal (03) 3. Descriptive Paragraph (Place) (02) 4. Grammar Revision (05) 5. Assessment of Speaking Skills (02)	16	1. Role Play of a good Samaritan (refer to Olga's Character) 2. Draw a bar graph of your academic performance throughout the year.
		Feb	Revision Annual Exams	16	

SYLLABUS BIFURACTAION CLASS 9

SIGN OF SUBJECT TEACHER

SIGN OF HOD

BOOKS –1) स्पर्श भाग :1

2) संचयन भाग :1

3) व्याकरण परिचय

PUBLISHER – एन.सी.ई.आर.टी.

एन.सी.ई.आर.टी.

फुल मार्क्स प्राइवेट लि.

ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH	TOPICS	PERIODS REQUIRED	ACTIVITIES
	15%	APRIL 22 दिन	स्पर्श से – दुःख का अधिकार एवरेस्ट मेरी शिखर यात्रा शब्द और पद अनुस्वार –अनुनासिक रैदास के पद स्वर संधि – दीर्घ ,गुण	6 6 2 2 3 3	स्व-निर्मित प्रश्नों का उपयोग करके सहपाठियों का मौखिक साक्षात्कार अवधारणा मानचित्र कहानी के संवाद लिख नाट्य रूपांतरण कीजिए
	10%	MAY 18 दिन	गिल्लू तुम कब जाओगे अतिथि रहीम के दोहे उपसर्ग –प्रत्यय संवाद लेखन	4 5 5 1 1	*दोहा गायन * गतिविधि- PPT बचेंद्री पाल के जीवन पर आधारित या स्वयं का यात्रा संस्मरण

			अपठित गद्यांश	2	(कला समेकित गतिविधि)तथा पोर्टफोलियो (ग्रीष्मावकाश गृहकार्य)
SYLLABUS --PT 1			कराया गया समस्त कार्य		
	10%	JULY 21 दिन (7 दिन प्रथम इकाई परीक्षा)	स्मृति पत्र (अनौपचारिक) चित्र वर्णन अनुच्छेद लेखन पुनरावृति प्रथम इकाई परीक्षा	5 2 2 5	वाचन कौशल श्रवण कौशल
	15%	AUG 20 दिन	आदमीनामा (पठन) वैज्ञानिक चेतना के वाहक -चन्द्र शेखर वेंकटरामन अर्थ के आधार पर वाक्यभेद स्वर संधि:यण वृद्धि अयादि विराम चिह्न	3 6 5 6	परियोजना कार्य - भारत के प्रसिद्ध दस वैज्ञानिकों के विषय में चित्र सहित जानकारी दें
	5%	SEP 22 दिन	धर्म की आड़ (पठन)	4 11	-

		(7 दिन अर्द्ध वार्षिक परीक्षा)	पुनरावृत्ति (उपरोक्त कराया गया समस्त कार्य)		
PT2 (23 सितम्बर से 5 अक्टूबर)			कराया गया समस्त कार्य		
	15%	OCT 20 दिन (4 दिन परीक्षा)	स्पर्श से(गद्य) शुक्र तारे के समान - काव्य खंड से - अग्निपथ संचयन पाठ -कल्लू कुम्हार की उनाकोटि लेखन अभ्यास - अपठित गद्यांश	5 3 5 3	परियोजना कार्य -त्रिपुरा राज्य के उनाकोटी सहित अन्य पर्यटन स्थलों की सूची तैयार कीजिए
	10%	NOV 22 दिन (7 दिन द्वितीय इकाई परीक्षा)	एक फूल की चाह (पठन) स्पर्श से(पद्य) - गीत -अगीत अनुच्छेद लेखन पत्र उपसर्ग प्रत्यय	3 4 4 2 2	प्रश्नोत्तरी
	10%	DECEMBER 21 दिन (6 दिन द्वितीय इकाई परीक्षा)	संचयन से - मेरा छोटा सा निजी पुस्तकालय स्वर संधि - गुण, दीर्घ ,वृद्धि ,अयादि संवाद लेखन पुनरावृत्ति	4 4 2 5	

	PT 3	(23 नवम्बर से 6 दिसम्बर)	पाठ्यक्रम -शुक्र तारे के समान,कल्लू कुम्हार की उनकोटी,मेरा छोटा सा निजी पुस्तकालय तथा अब तक कराया समस्त व्याकरण तथा लेखन		
	10%	JANUARY 16 दिन	स्पर्श से (पद्य) - नए इलाके में , खुशबू रचते हैं हाथ लेखन अभ्यास - पत्र अनुच्छेद संवाद चित्र वर्णन अनुस्वार अनुनासिक	3 3 2 2 2 2 2	पोर्टफोलियो घर से लेकर विद्यालय तक का मानचित्र कॉपी में बनाएं
		FEBRUARY 21दिन	पुनरावृत्ति कार्य एवं PT4 का आयोजन पाठ्यक्रम -कराया गया समस्त कार्य		
	PT 4	MARCH	22 फरवरी से 8 मार्च वार्षिक परीक्षा का आयोजन		

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ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2024-25
CLASS IX

विषय-संस्कृत

पुस्तक-

प्रकाशक-

मणिका भाग-1

एन०सी० ई०आर० टी०

व्याकरण वीथि :

एन०सी० ई०आर० टी०

ASSESSMENTS	% syllabus to be covered	MONTH	TOPICS	PERIODS REQUIRED	ACTIVITIES
TERM 1	10%	APRIL	मणिका- 1-अविवेकः परमापदाम् पदं व्याकरण- 1-कारक परिचयः 2-संस्कृते वाक्य निर्माणम् 3-शब्दरूप- बालक, लता, फलम् 4-धातुरूप-पठ, गम्, वद्, भू (पाँचों लकारों में)	5 3 10 2 2	संस्कृत वाचन गतिविधि:
	20%	MAY	मणिका- 2-पाथेयम् व्याकरण- 1-वाक्यरचनाभ्यासः 2-अपठित अनुच्छेदः 3-संधि- दीर्घ, गुण 4-संख्या-1-30 तक	5 4 3 2 1 1	श्लोक वाचन गतिविधि:

			5-अव्यय-स्थान,कालबोधक (1) 6-प्रत्यय-क्त्वा, तुमुन्, ल्यप् (2)	2	
10%	JULY	मणिका- 3-विजयतां स्वदेशः व्याकरण- 1-उपपदविभक्ति-(1,2 विभक्ति) 2-संधि:-वृद्धि,यण,अनुस्वार 3-प्रत्यय-शतृ 4-उपसर्ग-प्रश्नबोधक 5-शब्दरूप-मुनि,किम् सर्वनाम शब्द(तीनों लिंगों में 6-धातुरूप-भू, नी, गम्, अस्, कृ, नम् हस्, 7-चित्रवर्णनम्	7 1 2 1 1 2 1 6		गृहकार्य मूल्यांकन
प्रथम इकाई परीक्षा (18 JULY 2024-26 JULY 2024)					
10%	AUG	मणिका- 4-विद्यया भान्ति सद्गुणाः व्याकरण- 1-विसर्ग संधि:-उत्व 2-उच्चारणस्थानानि 3-उपपदविभक्ति-प्रथमा से पञ्चमी विभक्ति तक 4-चित्रवर्णनम्	5 1 1 2 3 4 4		

			5-पत्रलेखनम् 6-संवादलेखनम्		
	10%	SEP	मणिका- 5-कर्मणा याति संसिद्धिम् व्याकरण- 1-संख्या 1-से 50 तक 2-अन्वयलेखन अर्धवार्षिक परीक्षा हेतु पुनरावृत्ति कार्य	6 1 1 14	
अर्धवार्षिक परीक्षा (23 SEP 2024-05 OCT 2024)					
TERM 2	15%	OCT	मणिका- 6-तत् त्वम् असि व्याकरण- 1-संधि:-अयादि, सत्वं, षत्वं, शत्वं 2-उपपद विभक्ति-षष्ठी से सप्तमी विभक्ति तक 3-अव्यय- अन्यानि 4-शब्दरूप-अस्मद्, साधु, 5-शब्दरूप -प्रच्छ, क्षाल-	8 4 2 1 3 2	
	10%	NOV	मणिका- 7-तरवे नमः अस्तु व्याकरण- 1-शब्दरूप- युष्मद् 2-धातुरूप-सेव् 3-चित्रवर्णनस्य अभ्यासः 4-पत्रलेखनस्य अभ्यासः	6 2 2 4 4 4	संस्कृत वाचन गतिविधिः

		5-संवादस्याभ्यासः		
द्वितीय इकाई परीक्षा (23 NOV 2024-06 DEC 2024)				
10%	DEC	मणिका- 8-न धर्मवृद्धेषु वयः समीक्ष्यते व्याकरण- 1-पठित गद्यांशस्य अभ्यासः 2-अपठित गद्यांशस्य अभ्यासः	8 6 7	पी०पी०टी० निर्माण
5%	JAN	मणिका- 9-कवयामि वयामि यामि व्याकरण- 1-अन्वयस्य अभ्यासः 2-संख्याज्ञानम्-51-100)	8 1 1	
	FEB	वार्षिक परीक्षा हेतु पुनरावृत्ति कार्य	20	
वार्षिक परीक्षा (22 FEB 2025-08 MARCH 2025)				

ARMY PUBLIC SCHOOL MEERUT CANTT

SYLLABUS BIFURCATION (2024-25)

CLASS IX

SUBJECT – SCIENCE

BOOKS – SCIENCE NCERT , CLASS IX

PUBLISHER – NCERT

ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH	TOPICS	PERIODS REQUIRED	ACTIVITIES
	15%	APRIL	1. Matter in our surroundings 2. The fundamental unit of life 3. Motion	30	*Introduction of Laboratory Apparatus * to study different parts of compound microscope
	15%	MAY	1. Motion(Contd.) 2. Is Matter Around Us Pure(till mixtures) 3. The Fundamental Unit of Life(Contd.)	18	*To prepare true colloid and suspension using common salt, starch and calcium carbonate *Preparation of stained temporary mounts of onion peel and human cheek cells
SYLLABUS 1ST UNIT					
	10%	JULY	1. Is Matter Around Us Pure(Contd.) 2. Force and laws of motion (intro) 3. Tissues – Definition and classification(Plant Tissues)	18	*To show Sublimation of Ammonium Chloride/ camphor/ naphthalene *Identification of Parenchyma, Collenchyma and sclerenchyma tissues in plants * To observe striated, smooth and cardiac muscle fibres and nerve cells in
	15%	AUG	1. Revision of topics covered in April & May 2. PT-1 EXAMINATIONS 3. Force and laws of motion(cont.) 2. Gravitation 3. Tissues-Definition and classification (Animal Tissues)	20	

	8%	SEP	1. Atoms and Molecules (Intro) REVISION FOR HALF YEARLY	15	
HALF YEARLY EXAMINATION		All topics covered till September			
	15%	OCT	1. Work and Energy 2. Atoms and Molecules(Contd.) 3. Improvement of food resources	24	
	12%	NOV	1. Sound (till frequency and time period) 2. Atoms and Molecules (Contd.) 3. Improvement of food resources	15	*To verify laws of reflection of sound *To determine the velocity of a pulse .
	10%	Dec	1. Sound (cont.) 2. Structure of Atoms 3. Improvement of food resources	16	Natural Resources – Project work To prepare a brief write-up on any concept
		January	Revision		
		February	Revision ANNUAL EXAMINATION		

DECEMBER	4. Sound (contd) 5. Structure of Atoms 6. Improvement of Food Resources (Contd.) PT-III		
	7.		
JANUARY	Revision		
FEBRUARY	Revision		
TERM 2	ANNUAL EXAMINATION		

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ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2024-25
CLASS IX

Subject: Social Science

Books

PUBLISHER -N.C.E.R.T.

1. **India and Contemporary World(I)**
2. **Democratic Politics(I)**
3. **Economics II**
4. **Contemporary India (I)**

% SYLLABUS TO BE COVERED	MONTH & NO OF WORKING DAYS	NAME OF CHAPTER	PDS. REQUIRED	ACTIVITIES
15%	APRIL 20 DAYS	H1 The French Revolution	15	H1 Imagine yourself to be one of the women in France and formulate a response to the arguments put forward by Chaumette. H1 Fig-3 Explain why the artist has portrayed nobleman as the spider and the peasant as the fly.
		G1 India Size and Location	7	G1 Map exercise.
		E1 The Story of Village Palampur	6	E1 List the economic activities in which different groups of your village or Village Palampur were involved.
10%	MAY 18 DAYS	C1 What is Democracy? Why Democracy?	10	C1 Observe the caricatures given in your book and write your observation about the caricatures and the associated events.
		G2 Physical features of India.	10	G2 Map Exercise from Book

5%	JULY 13 DAYS	C2 Constitutional Design	10	C2 Word Puzzle Based on the given clues, find the right answer words.
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Syllabus of PT-1 - (Revision 8th to 17th July) (18th July 2024)

1. **History: French Revolution**
2. **Geography: India Size and Location**
3. **Economics: The story of village Palampur**
4. **Political Science: What is democracy? Why Democracy?**

15%	AUGUST 20 DAYS	H2 Socialism in Europe and The Russian Revolution	15	<p>H2 "The lockout at a factory on the right bank of the River Neva in Petrograd on 22nd February 1917 led to February Revolution."</p> <p>a. Imagine yourself to be a worker participating in the strike and the demonstration that followed.</p> <p>Prepare yourself for the same by making the following –</p> <p>Suitable slogans Banners and Posters Petition</p> <p>E2 Visit a nearby hospital either government or private and prepare a detailed report .(Detailed activity in activity planner)</p> <p>G3 Map exercise – Himalayan and peninsular Rivers.</p>
		E2 People As Resource	8	
		G3 Drainage (continues in September)	10	
5%	SEPTEMBER 21 DAYS	E3 Poverty as a challenge (13th September to 20th September Revision for	15	<p>Interview the economically weaker section people in your area.</p> <p>Collect information related to type of employment available to them.</p> <p>period of year for which they are employed, Size of the family ,their daily or monthly earnings, condition of old people in the</p>

		H.Y examination)		family, condition of children, and government schemes they are availing.
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50% HALF YEARLY EXAMS 2024-25

Syllabus of Half Yearly Examination-

- | | |
|--|----------------------------------|
| 1. The French Revolution | 6. What is democracy? Why |
| 2. Socialism in Europe and The Russian Revolution | 7. Constitutional Design |
| 3. India size and Location | 8. People as Resource |
| 4. Physical features of India | 9. Poverty as a challenge |
| 5. Drainage | |

11%	OCT 16 DAYS	C3 Electoral Politics	8	C3 Election of class monitor.
		H5 Pastoralists in Modern world	10	H5 Imagine yourself to be a reporter who has been assigned the job of interviewing the pastoralists to know their response to the Forest Acts passed by the colonial government. Prepare a report on the interview and your conclusion / s made on the basis of the question asked.
5%	NOVEMBER 22 DAYS	E4 Food Security In India. (Revision for PT-2 examination 13th Nov to 22nd Nov)	12	E4 Make a comparative report on Rationing system that existed pre 1997 and the current Rationing system

Syllabus of Periodic Test -2

- Pastoralism in the Modern world**
- Electoral politics**
- Food security in India**

15%	DECEMBER 21 DAYS	H3 Nazism and the Rise of Hitler.	14	H3 Hold seminar on the topic Hitler came to power by election but later on he became a dictator. Why do we think such a situation cannot arise in India.
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	DECEMBER 21 DAYS	G-4 Climate	11	G4 Demonstration of instruments of elements of weather . Map Exercise
		G5 Natural Vegetation	2	G5 Discussion on Medicinal plants and their uses . Map exercise.

11%	JANUARY 16 DAYS	C4 Working of Institutions	16	C4 Mock Parliament
		G-6 Population	7	G6 Skit-Benefits of Small Family OR Skit- “Protect Gird Child”
5%	FEBRURAY 7 DAYS	C5 Democratic Rights	10	C5 Write news article to spread the awareness of human rights and struggles for human dignity.

Syllabus of annual Examination

H1 The French Revolution
H2 Socialism in Europe and the Russian revolution
Challenge H3 Nazism and the rise of Hitler.
India G1 India- size and location
G2 Physical features of
India G3 Drainage
G4 Climate
G5 Natural vegetation and wildlife (only map
exercise) G6 Population
C1 What is democracy ? Why Democracy?
C2 Constitutional designs
C3 Electoral Politics
C4 Working of
Institutions C5
Democratic Rights

E2 People as resource
E3 Poverty as a
E4 Food security in

ARMY PUBLIC SCHOOL, MEERUT CANTT

SYLLABUS BIFURCATION -2024-25

CLASS-IX

SUBJECT-INFORMATION TECHNOLOGY (402)

BOOK: INFORMATION TECHNOLOGY IX			PUBLISHER: NCERT
MONTH	TOPIC	PERIOD REQUIRED	ACTIVITIES PLANNED
APRIL 2024 [22 DAYS]	Unit 1: Introduction to IT-ITes Industry (Main Book IT) <ul style="list-style-type: none">• IT & IT-es• BPO and BPM• Multi-National Companies• Indian Service Provider• Global Inhouse Center	9	Make a list of MNCs and ISPs
MAY 2024 [18 DAYS]	Unit 1 : Introduction to IT-ITes Industry (Main Book IT) <ul style="list-style-type: none">• IT Applications• E Commerce• E-Governance• IT in Hospitals, Education, Business, Marketing, Library, Entertainment, Office, Science and Engineering CHAPTER 1 : Communication Skills (Employability Skills)	6	Write 5 applications of IT in your surrounding that you have observed other than the topics mentioned in your chapter.
JULY 2024 [21 DAYS]	Unit 2 : Data Entry and Keyboarding Skills (Main Book IT) <ul style="list-style-type: none">• Keyboarding Skills• Type of Keys• Ergonomics• Rapid typing Tutor	9	Complete all the Typing Practice lessons provided in Rapid Typing Software.
AUGUST 2024 [20 DAYS]	UNIT 3 : Digital Documentation (Main Book IT) <ul style="list-style-type: none">• Introduction• Document formatting• Mail Merge	6	Prepare your Bio-data 10 years from now. Include the following features: <ul style="list-style-type: none">a) Borderb) Formattingc) Alignmentd) Watermark
SEPTEMBER 2024 [22 DAYS]	CHAPTER 2 : Self Management Skills (Employability Skills) CHAPTER 3: Basic ICT Skills (Employability Skills)	10	<ol style="list-style-type: none">1. Role play on avoiding stressful situation2. Group demonstration on how to use a computer

SYLLABUS FOR HALF YEARLY EXAMS**UNIT 1 Introduction to IT-ITes Industry****UNIT-2 Data Entry and Keyboarding****Skills****UNIT-3 Digital Documentation****(Employability Skills)****CHAPTER 1 : Communication Skills****CHAPTER 2 : Self Management Skills (Employability Skills)****CHAPTER 3: Basic ICT Skills (Employability Skills)**

OCTOBER 2024 [20 DAYS]	UNIT 4 : Electronic Spreadsheet (Main Book IT) 1. Introduction 2. Spreadsheet 3. Formulae 4. Spreadsheet 5. formatting	9	Prepare a Marksheet of any imaginary student with his total marks, average marks, percentage etc.
NOVEMBER 2024 [22 DAYS]	CHAPTER 4 : Entrepreneurial Skills (Employability Skills) (PROJECT WORK DISCUSSION)	10	Prepare a Presentation on the topic Entrepreneurial Skills of around 6 slides (content only)
DECEMBER 2024 [21 DAYS]	Unit 5 : Digital Presentation • Introduction • Presentation Formatting CHAPTER 5: Green Skills (Employability Skills)	9	In the presentation include the basic formattings.
JANUARY 2025 [16 DAYS]	Unit 5 : Digital Presentation • Animation • Transition • Master Slides PROJECT WOK EXECUTION	4	In your Presentation apply the following features: a) Animation b) Transitions c) Design (Theme)
FEBRUARY 2025 [21 DAYS]	Revision for Annual Examination Project Work Submission		
MARCH 2025 [22 DAYS]	ANNUAL EXAMINATION		

SUBJECT – Marketing & Sales

BOOKS – CBSE Study Material

PUBLISHER – CBSE

ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH	TOPICS	PERIODS REQUIRED	ACTIVITIES
Tests / Assignments UNIT TEST 1	10%	April (22 Days)	Employability Skills : Unit 1: Communication Skills-I Subject Specific Skills : Unit I: Introduction to Marketing and Sales <ul style="list-style-type: none"> • What is Marketing • Importance of Marketing 	05 07	Activity: PPT 1) What is the target market? 2) What are the needs, wants and demands of the target market? 3) How best can we deliver a value proposition?
Tests / Assignments UNIT TEST 1	10 %	MAY (18 Days)	Unit 2 : Self-Management Skills-I <ul style="list-style-type: none"> • Introduction to Self-management • Strength and Weakness Analysis • Self-confidence 	04 08	•Activity : Role-Play: Building self-confidence Procedure • Form groups of four students in each group. Choose from one of the below given situations. •List the steps you would take to handle the situation confidently. •One group volunteers to present in front of the class.

			<p>(Contd.) Unit I: Introduction to Marketing and Sales</p> <ul style="list-style-type: none"> • Concepts of utility • What are Sales? • Role of Sales business 		<ul style="list-style-type: none"> • Discuss and ensure that the three steps above are followed.
<p>Tests / Assignments Half Yearly</p>	10 %	<p>JULY (21 Days)</p>	<p>(contd.)</p> <p>Unit 2 : Self-Management Skills-I</p> <ul style="list-style-type: none"> • Positive Thinking • Personal Hygiene • Grooming <p>Unit II: Concept of Market</p> <ul style="list-style-type: none"> • What is market ❖ Type of Markets • Product Market • Service Market 	<p>04</p> <p>05</p>	<p>Visit a market place like vegetable mandi</p> <p>Power-Point Presentation</p>
UNIT-TEST 1 (18 July – 26 July)					
<p>Tests / Assignments Half Yearly</p>	10 %	<p>AUG (20 Days)</p>	<p>(Contd.)</p> <ul style="list-style-type: none"> • Types of demand • Competition- direct and indirect <p>Unit III: Basic concept of Sales and selling</p> <ul style="list-style-type: none"> • What is selling • Types of selling 	<p>05</p> <p>06</p>	<p>Suggest five competitive businesses in your community.</p> <p>Make a PowerPoint presentation on selling of product in market.</p>

Tests / Assignments Half Yearly	10 %	SEPT (22 Days)	Unit 3 : Information and Communication Technology Skills -I <ul style="list-style-type: none"> • Introduction to ICT • ICT Tools: Smartphones and Tablets — I • Parts of a Computer and Peripherals • Basic Computer Operations 	05	Activity: Form groups depending on the number of computers available. One student starts the computer and logs in. Another student identifies the keys on the keyboard. Another student then performs all the functions of the mouse, such as hover, click, double-click, etc. 1. Pick up a product of your choice and identify how the product is being sold in the market. 2. Choose a product or service of your choice and identify what kind of intermediaries are selling the product in the market.
			(Contd.) Unit III : Basic concept of Sales and Selling <ul style="list-style-type: none"> • Functions of Sales person • Types of sales- Sales agency, Agent, Service, missionary 	08	
Half Yearly Examination (23 Sept – 04 Oct 24)					
Tests / Assignments Unit Test 2	10 %	OCT (20 days)	(contd.) Unit 3 : ICT Skills-I <ul style="list-style-type: none"> • Communication and Networking — Basics of Internet • Networking— Introduction to e-Mail , Creating an e-Mail Account, Writing an e-mail 	04 10	

			<p>Unit IV: Understanding customer & consumer</p> <ul style="list-style-type: none"> • Concept of Customer & consumer • Types of Customer • Factors affecting buying Behaviour of a customer 		<p>PPT on how Social factors influence on buyer's behavior. Family status of a person, professional associations and friends circle do affect the behavior. They have distinct life style and values</p>
<p>Tests / Assignments</p> <p>Annual</p>	10 %	<p>NOV</p> <p>(22 Days)</p>	<p>Unit 4 : Entrepreneurial Skills-I</p> <ul style="list-style-type: none"> • What is Entrepreneurship? • Role of Entrepreneurship <p>(contd.)</p> <p>Unit IV: Understanding customer & consumer</p> <ul style="list-style-type: none"> • Buying motivation • Business customer & Individual consumers- Types of consumers • (Contd.) Differences between business vs individual buyer 	<p>05</p> <p>08</p>	<ul style="list-style-type: none"> • Make a list of business ideas which are either Product, Service or Hybrid based. Each group will prepare a poster by either making a drawing or using newspaper cut-outs for the kinds of business they have selected. <p>PPT on how Social factors influence on buyer's behavior. Family status of a person, professional associations and friends circle do affect the behavior. They have distinct life style and values.</p>
<p>UNIT TEST 2 (23 Nov – 6 Dec 24)</p>					

Annual	10 %	DEC (16 Days)	<p>(contd.)</p> <p>Unit 4 : Entrepreneurial Skills-I</p> <ul style="list-style-type: none"> • Qualities of a Successful Entrepreneur • Distinguishing Characteristics of Entrepreneurship and Wage Employment <p>Unit V: Activities in Sales and Marketing</p> <ul style="list-style-type: none"> • Sales tasks – order taking, delivery, processing • Money Collection in different types of sales i.e. -Over the counter sales -Business to Business sales -Online sales. • 	05 08	<p>Distinguish the order processing activities in direct sale or an on-line order</p> <p>Enlist support personnel activities at a Shopping-Mall</p>
Annual	10 %	JAN (16 Days)	<p>(contd.)</p> <p>Unit V: Activities in Sales and Marketing</p> <ul style="list-style-type: none"> • Sales Report Preparation • Role of marketing professional • Role of Sales Professional 	05 08	<ul style="list-style-type: none"> • Prepare production plan of a product of your choice keeping in view role of Marketer • Collect few specimens (Xerox copy) of invoices and payment instruments used by buyers in selling
Annual	10 %	FEB (21 Days)	<p>Unit 5 : Green Skills-</p> <ul style="list-style-type: none"> • Society and Environment • Conserving Natural Resources 	05	<p>Activity:</p> <p>Importance of green economy:</p>

			<ul style="list-style-type: none"> Sustainable Development and Green Economy 	08	<p>Procedure:</p> <ol style="list-style-type: none"> Keep the same group as the previous activity. Make a poster on 'Importance of a Green Economy' using the points from your previous discussion. <p>You can use magazine and newspaper cuttings.</p>
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Annual Exams (22 Feb to 08 March 2025)

**ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2023-24
CLASS IX**

**SUBJECT – Artificial Intelligence (Subject Code:
417)**

**BOOKS – [417_AI_Handbook_Class9.pdf](https://cbseacademic.nic.in)
(cbseacademic.nic.in) (AI Facilitator
Handbook)**

**PUBLISHER –
CBSE**

ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH	TOPICS	PERIODS REQUIRED	ACTIVITIES
Practical (Observation on the online tools used) AI Component, Strategy to win the game and challenges faced	10%	APRIL	UNIT 1: AI REFLECTION, PROJECT CYCLE AND ETHICS 1. Introduction to AI 2. Recommended Activity: The AI Game 3. Domains of AI	10	<ul style="list-style-type: none"> Game Time (Domains including Data Science, Computer Vision and NLP) Smart Phone AI enabled applications
Activities: Moral Machine, AI ethics	10%	MAY	UNIT 1: AI REFLECTION, PROJECT CYCLE AND ETHICS 4. Discussing about AI Ethics 5. Recommended Activity: Ethics Awareness 6. Session: AI Bias and AI Access UNIT 1 COMMUNICATION SKILLS	8	<ul style="list-style-type: none"> Recommended Activity: Ethics Awareness. Students play the role of major stakeholder and they have to decide what is ethical and what is not for a given scenario. Research on current AI trends Job Advertisement in 2030
UT-1					
Filling of 4Ws problem canvas considering the problem			UNIT-5 INTRODUCTION TO PYTHON 1. Introduction to programming 2. Introduction to Python language 3. Theory + Practical: Python Basics 4. Practical: Python Lists	10	<ul style="list-style-type: none"> Introduction to programming using Online

statement, Identification of data features relevant to the problem statement, System Maps	10%	JULY	UNIT 1: AI REFLECTION, PROJECT CYCLE AND ETHICS 7. Session: Introduction to AI Project Cycle (Steps involved in AI project development) UNIT 2 SELF-MANAGEMENT SKILLS		Gaming portals like Code Combat. • Programming based on basics of Python
Sketchy Graphs associated with the dataset collected, Different real life rule based and learning based models,	10%	AUG	UNIT 1: AI REFLECTION, PROJECT CYCLE AND ETHICS 8. Session: Modeling (Types of models) 9. Evaluation 10. Deployment UNIT 2: DATA LITERACY 1. Session: Basics of data literacy	12	• Activity: Implementation of AI project cycle to develop an AI Model for Personalized Education

SIGN OF SUBJECT TEACHER

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Manisha Singh

Manisha Singh

Decision Tree model			UNIT 3. ICT SKILLS		<ul style="list-style-type: none"> Recommended Activity: Impact of News Articles
Forming simple steps to solve the problems, Practical Session: Simple output problems using interactive and script mode (Practical Notebook)	10%	SEP	UNIT 2: DATA LITERACY 2. Session: Acquiring Data, Processing, and Interpreting Data UNIT-5 INTRODUCTION TO PYTHON 5. Practical: Flow of control and conditions	12	Recommended Activities: <ul style="list-style-type: none"> Trend analysis Visualize and Interpret Data Python programs based on control structures
HALF YEARLY EXAMINATION					
Practical Session: Programs with their outputs in the Practical Notebook. Execution of Python statements, using input and output statements.	10%	OCT	UNIT 2: DATA LITERACY 3. Session: Project Interactive Data Dashboard & Presentation UNIT 3: MATH FOR AI 1. Session: Importance of Math for AI 2. Activity: Number Patterns, Picture Analogy 3. Introduction to Statistics	8	<ul style="list-style-type: none"> Data visualization Using Tableau Activity: observe the number pattern and find the missing number. To find connections between sets of images and use that to solve problems,
Practical Session: Programs with their outputs in the Practical Notebook. Execution and usage of Python Operators, Creating Lists, Tuples and performing various operations on them	10%	NOV	UNIT 3: MATH FOR AI 4. Activity: Uses of Statistics in daily life 5. Session: Introduction to Probability 6. Session : Applications of Probability UNIT 4: ENTREPRENEURIAL SKILLS	10	<ul style="list-style-type: none"> CBSE Activity: Uses of Statistics in daily life. CBSE Activity: Car Spotting and Tabulating
UT-2					
Practical Session: Programs with their outputs in the Practical Notebook. Python	10%	DEC	UNIT 4: INTRODUCTION TO GENERATIVE AI 1. Activity: Guess the Real Image vs. the AI-generated image 2. Introduction to Generative AI 3. Generative AI vs Conventional AI 4. Benefits of using Generative AI	10	<ul style="list-style-type: none"> CBSE Activity: Guess the Real Image vs. the AI-generated image. Generative AI tools.

program executions. Observations on the ANN online tool			Unit 5: Green Skills		
Practical Session: Programs with their outputs in the Practical Notebook. Decision making through Python.	10%	JAN	UNIT 4: INTRODUCTION TO GENERATIVEAI 5. Limitations of using Generative AI 6. Hands-on Activity: GAN Paint 7. Ethical considerations of using Generative AI	11	<ul style="list-style-type: none"> • CBSE Activities : • Hands-on Activity: GAN Paint • Generative AI tools
Practical Session: Programs with their outputs in the Practical Notebook.	10%	FEB	Revision for Annual Examination Practical notebook/file Submission	9	<ul style="list-style-type: none"> • Practical/File work
ANNUAL EXAMINATION					

SIGN OF SUBJECT TEACHER

SIG OF HOD

ARMY PUBLIC SCHOOL, MEERUT CANTT

SYLLABUS BIFURCATION -2024-25

CLASS-IX

SUBJECT-DATA SCIENCE (419)

BOOK: Data Science Class IX			PUBLISHER: Microsoft
MONTH	TOPIC	PERIOD REQUIRED	ACTIVITIES PLANNED
APRIL 2024 [22 DAYS]	UNIT 1 INTRODUCTION 1. What is data? 2. Data vs Information 3. DIKW model. 4. How data influences our lives? 5. What are data footprints?	9	1. Think of how data and analytics helps in: • Fighting crimes • News and information 2. Write the positive and negative impacts of data footprints.
MAY 2024 [18 DAYS]	UNIT 1 INTRODUCTION 1. Data loss and recovery 2. Lady Bug Activity 3. Mean and Median 4. Dot Plot	6	In this activity, students can use a data set of popular dog breed characteristics to determine the best breed of dog for a hypothetical friend. Students can consider various factors like the dog's lifespan, maximum weight, and whether the breed is good with children. Students will collect, summarize, and compare data on finding the perfect dog breed.
JULY 2024 [21 DAYS]	UNIT -1 COMMUNICATION SKILLS-I (Employability Skills) UNIT-2 SELF-MANAGEMENT SKILLS-I (Employability Skills)	9	1. Prepare a power point presentation on importance of communication and its types. 2. Role play on avoiding stressful situation
AUGUST 2024 [20 DAYS]	UNIT-2 ARRANGING & COLLECTING DATA	6	1. Record your class attendance over a period of seven days. Draw a bar

	<ol style="list-style-type: none"> 1. What is data collection? 2. What are variables? 3. What are the different types of data? 4. What are data sources? 		chart for the recorded data. What do you think will the variables for this?
SEPTEMBER 2024 [22 DAYS]	UNIT-2 ARRANGING & COLLECTING DATA <ol style="list-style-type: none"> 1. What is big data? 2. Asking questions on data? 3. Univariate vs multivariate 	10	1. Ice-cream sales increase during summer. Create a hypothetical table recording the sales of ice cream as temperature increase and plot the column graph. What type data is this?
<u>SYLLABUS FOR HALF YEARLY EXAMS</u> UNIT 1 INTRODUCTION UNIT-2 ARRANGING & COLLECTING DATA UNIT-1 COMMUNICATION SKILLS-I (Employability Skills) UNIT-2 SELF-MANAGEMENT SKILLS-I (Employability Skills)			
OCTOBER 2024 [20 DAYS]	UNIT-3 DATA VISUALIZATIONS – PART 1 <ol style="list-style-type: none"> 6. The importance of visualization 7. Plotting data 8. Histograms 	9	1. Record your last year marks in a table and create a bar graph from it. Also create a column graph. Which one looks easier to understand?
NOVEMBER 2024 [22 DAYS]	UNIT-3 DATA VISUALIZATIONS – PART 1 <ol style="list-style-type: none"> 1. Use of shapes 2. Use of single and multivariable plots UNIT 3 : ICT SKILLS-I (Employability Skills)	10	1. Record the attendance for a month of your class in a table and create a histogram from it. Also try to find out the shape of the histogram. 2. Group demonstration on how to use a computer.
DECEMBER 2024 [21 DAYS]	UNIT 4 : ENTREPRENEURIAL SKILLS-I (Employability Skills)	9	1. Suppose you visit a supermarket for buying groceries. At the end of the purchase, the manager provides you with a form

	UNIT-4 ETHICS IN DATA SCIENCE <ol style="list-style-type: none"> 1. Ethical guidelines around data analysis. 2. Need for ethical guidelines in data analysis 3. Goals of ethical guidelines in data analysis 4. Data governance framework 5. Why do we need to govern data? 6. Goals of data governance 		wherein you need to fill up your details along with your contact number. According to the manager, the purpose for collecting this data is to enable them to inform us of the exciting deals and new product launches. Explain in detail, the precautions you need to take before handing out your details to the manager.
JANUARY 2025 [16 DAYS]	UNIT 5 : GREEN SKILLS-I (Employability Skills)	4	1. Prepare a ppt on different ways to conserve energy.
FEBRUARY 2025 [21 DAYS]	Revision for Annual Examination Project Work Submission		
MARCH 2025 [22 DAYS]	ANNUAL EXAMINATION		

			<p>UNIT-1: ROLE OF PHYSICAL EDUCATION IN CHILD DEVELOPMENT</p> <ol style="list-style-type: none"> 1. Identifying physical activity sessions (everyday activities, recreational activities, sport) 2. Structuring physical activity sessions 3. Macro-planning 4. Meso-planning 5. Micro-planning 6. Weekly Planning 7. Lesson plan <ol style="list-style-type: none"> 1. Arranging play spaces 2. Props and equipment required for physical activity sessions 3. Conducting physical activity sessions <p>Part-A UNIT-1: COMMUNICATION SKILLS</p> <ol style="list-style-type: none"> 1. Methods of Communication 2. Communication Cycle 3. Principle of effective communication 4. Feedback 	<p>3. Plan physical activities</p> <p>4. Conduct physical activities</p>
2	May	18 days		

3	July	21 days	<p>UNIT 2: PLANNING AGE APPROPRIATE PHYSICAL ACTIVITY</p> <ol style="list-style-type: none"> 1. Resources required for activities 2. Planning everyday activities 3. Planning recreational activities 4. Planning sport activities <ol style="list-style-type: none"> 1. Cognitive skills – Reading, Writing, Numeracy, etc. 2. Activities to be organized – Games, Singing, Dancing <p>Part-A UNIT-1: COMMUNICATION SKILLS</p> <ol style="list-style-type: none"> 5. Barriers of effective communication 6. Cs of effective communication 7. Writting skills 8. Parts of Speech 9. Construction of Paragraph 	<ol style="list-style-type: none"> 1. Plan activities fo increasing physical strength an coordinatio 2. Plan activities fo developing cognitive sk
4	August	20 days	<p>UNIT 2: PLANNING AGE APPROPRIATE PHYSICAL ACTIVITY</p> <ol style="list-style-type: none"> 1. Designing time table 2. Understanding Duration of activities as per learning outcomes <p>Part-A UNIT-2: SELF MANAGEMENT</p> <ol style="list-style-type: none"> 1. Stress 2. Ability to work independently 3. Self-Awareness 4. Self-Motivation 5. Self-Regulation 	<ol style="list-style-type: none"> 3. Manage class

5	September	22 days	<p>UNIT 3: ORGANIZING AGE APPROPRIATE PHYSICAL ACTIVITIES</p> <ol style="list-style-type: none"> 1. Fitness Activities 2. Specific sports training 3. Sports periods 4. Games <p>Part-A UNIT-3: INFORMATION TECHNOLOGY AND COMMUNICATION</p> <ol style="list-style-type: none"> 1. Operating System 2. Functions of Operating System 3. Types of Operating System 4. Popular Operating System 5. Starting Windows 6. Managing Files and Folders 7. Care and Maintenance of a Computer 8. Removing Temporary Files 	1. Identify games for everyday activities
6	October	20 days	<p>UNIT 3: ORGANIZING AGE APPROPRIATE PHYSICAL ACTIVITIES</p> <ol style="list-style-type: none"> 1. Sports days 2. Summer camp 3. Winter camp 4. Tournaments 5. Mass drills and display 6. Programs for parents and staff 	2. Organize sport activities

7	November	22 days	UNIT 4: CHILDREN HEALTH AND SAFETY 1. Child health 2. Factors influencing child health and hygiene 3. General Nutrition Part-A UNIT-4: ENTREPRENEURSHIP 1. Introduction 2. What is Entrepreneurship & Who is an Entrepreneur? 3. Entrepreneurship and Society 4. Qualities of Entrepreneur 5. Functions of an Entrepreneur 6. Myth about Entrepreneurship 7. Entrepreneurship as a Career option	1. Demonstrate the knowledge of child health care and habits
8	December	21 days	UNIT 4: CHILDREN HEALTH AND SAFETY 1. Storage facility for the equipment 2. Safe acts and safety measures in playground 3. Safety aspects related to use of equipment 4. Basic First Aid and response to emergency 5. Exit protocol	2. Describe the various aspects of safety management and emergency response
9	January	16 days	Part-A UNIT-5: GREEN SKILLS 1. Meaning of Sustainable Development	
10	February	21 days	Revision	

EXAM SCHEDULE			
S.NO	EXAM	MONTH	SYLLABUS
1	Unit Test I	July	UNIT 1 to 3

2	Half Yearly	September	UNIT 1 to 6
3	Unit Test II	November	UNIT 7 to 9
4	Annual Exams	February/March	Full Syllabus