

BHARATIYA VIDYA BHAVAN , KOCHI
YEAR PLAN 2026-2027
STD IX ENGLISH

MONTH	MAIN TEXT	GRAMMAR	WRITING
JUNE (23 days)	UNIT 1 HOW I TAUGHT MY GRANDMOTHER TO READ BHARAT OUR LAND (P)	SIMPLE PAST & PAST PERFECT TENSE	LETTER TO THE EDITOR
JULY (25 days)	UNIT 2 THE POT MAKER GIFTS OF GRACE: HONOURING OUR VOCATIONS (P) - NOT TO BE INCLUDED IN P1	DETERMINERS CLAUSES- NOUN AND RELATIVE - NOT TO BE INCLUDED IN P1	
PERIODIC TEST 1 (27/07/2026- 01/08/2026)			
AUGUST (16 days)	UNIT 3 WINGS OF CHANGE CANVAS OF SOIL (P)	PRESENT PERFECT TENSE	DESCRIPTIVE WRITING (FACTUAL DESCRIPTION)
SEPTEMBER (22 days)	UNIT 4 VITAMIN-M I CANNOT REMEMBER MY MOTHER (P)	REPORTED SPEECH- INTERROGATIVE SENTENCES (WH & YES/NO)	ARTICLE WRITING
PERIODIC TEST 2 (28/9/2026- 09/10/2026)			
OCTOBER (22 days)	UNIT 5 THE WORLD OF LIMITLESS POSSIBILITIES NINE GOLD MEDALS (P)	MODAL VERBS REPORTED SPEECH- DECLARATIVE SENTENCES	NOTICE WRITING

NOVEMBER (23 days)	UNIT 7 CARRIER OF WORDS WORDS (P)	PRESENT PERFECT TENSE	ESSAY WRITING
DECEMBER (19 days)	UNIT 6 TWIN MELODIES (READING ONLY) A FRIEND FOUND IN MUSIC (P) (READING ONLY)	REPORTED SPEECH- IMPERATIVE (TO BE TAKEN IN DETAIL)	INFORMAL INVITATION NARRATIVE ESSAY (STORY WRITING- IN FIRST PERSON 'I')
PERIODIC TEST 3 (11/12/2026- 21/12/2026)			
JANUARY(21 days)	UNIT 8 FOLLOW THAT DREAM BELIEVE IN YOURSELF (P)	MODAL VERBS IF CLAUSE - TYPE 1 SUBJECT VERB AGREEMENT	E MAIL WRITING (FORMAL)
FEBRUARY (22 days)	REVISION		
FINAL EXAMINATION (15/02/2027-26/02/2027)			

BHARATIYA VIDYA BHAVAN,KOCHI

YEAR PLAN FOR THE ACADEMIC YEAR 2026-2027

STD IX

HINDI

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
जून	गद्य	दो बैलों की कथा	मित्रता, आत्मसम्मान, सहयोग की भावना, अदृढ़ वफादारी, अन्याय और अत्याचार के खिलाफ संघर्ष, असीम सहनशीलता व साहस, स्वाभिमान और स्वतंत्रता के महत्व को दर्शाना।
	पद्य	पद	अनन्य भक्ति और आराध्य के प्रति समर्पण का भाव
	व्याकरण	समानार्थी शब्द, मुहावरे (पाठ्यपुस्तक के आधार पर)	व्याकरण, शब्द भंडार एवं परिस्थितिजन्य भाषाई दक्षता का उपयोग
	पत्र	अनीपचारिक पत्र	पत्र लेखन कला और सृजनात्मकता का विकास।
जुलाई	पद्य	राम -लक्ष्मण -परशुराम संवाद	अहंकार और मर्यादा का टकराव
	व्याकरण	विराम चिह्न	भाषा को व्यवस्थित, स्पष्ट और प्रभावशाली बनाते हैं।
	रचना	अनुच्छेद लेखन	लेखन कौशल और सृजनात्मकता का विकास।
	लेखन	अपठित गद्यांश	भाषा समझ, पठन क्षमता एवं विचार शक्ति का विकास
	PERIODIC TEST - 1	PORTIONS- दो बैलों की कथा, रैदास, समानार्थी शब्द, मुहावरे (पाठ्यपुस्तक के आधार पर) अनीपचारिक पत्र, अपठित गद्यांश	
अगस्त	गद्य	क्या लिखूँ	लिखने के लिए विषय कहीं दूर नहीं, हमारे आसपास ही मौजूद हैं।
	व्याकरण	सज्ञा समानार्थी शब्द, मुहावरे (पाठ्यपुस्तक के आधार पर)	व्याकरण -ज्ञान, व्यापक शब्द भंडार तथा विविध परिस्थितियों के अनुसार भाषाई दक्षता का उपयोग।

सितंबर	गद्य	संवादहीन	मनुष्य और पशु-पक्षी के संबंध, समकालीन जीवन-यथार्थ की विसंगतियों और आदर्श एवं यथार्थ के द्वंद्व को अभिव्यक्त करती है।
	पद्य	भारति, जय, विजयकरे!	भारत माता की महानता, प्राकृतिक सुंदरता, संस्कृति एवं गौरव का वर्णन करते हुए उसकी विजय और उन्नति की कामना की गई है।
	व्याकरण	सर्वनाम	व्याकरण -ज्ञान, सर्वनामों का सही एवं प्रभावी प्रयोग
	PERIODIC TEST-2	PORTIONS - क्या लिखें, राम-लक्ष्मण-परशुराम संवाद, भारति, जय, विजयकरे, समानार्थी शब्द, मुहावरे (पाठ्यपुस्तक के आधार पर) विराम चिह्न, संज्ञा, सर्वनाम, अनुच्छेद लेखन, अपठित गद्यांश	
अक्टूबर	गद्य	ऐसी भी बातें होती हैं	मेहनत, अनुशासन और आत्मविश्वास से जीवन में सफलता प्राप्त की जा सकती है। हमें अपने लक्ष्य के प्रति समर्पित रहना चाहिए।
	व्याकरण	समानार्थी शब्द, मुहावरे (पाठ्यपुस्तक के आधार पर)	व्याकरण -ज्ञान, व्यापक शब्द भंडार तथा विविध परिस्थितियों के अनुसार भाषाई दक्षता का उपयोग करना।
	लेखन	संवाद लेखन	लेखन कौशल और सृजनात्मकता का विकास।
	पद्य	झाँसी की रानी	हमें साहसी, देशभक्त और कर्तव्यनिष्ठ बनना चाहिए।
नवंबर	गद्य	आखिरी चट्टान तक	प्रकृति की भव्यता और मानव मन की गहन अनुभूतियों को यह यात्रा-वृत्तान्त एक साथ उजागर करता है। जीवन में नई चीजों को जानने और कठिनाइयों का सामना करने का साहस होना चाहिए।
	व्याकरण	उपसर्ग, प्रत्यय, निपात समानार्थी शब्द, मुहावरे (पाठ्यपुस्तक के आधार पर)	व्याकरणिक शिक्षा

दिसंबर	पद्य	घर की याद	परिवार और अपनेपन की भावना को दर्शाता है तथा संवेदनशीलता और पारिवारिक मूल्यों की समझ विकसित करता है।
	PERIODIC TEST-3	PORTIONS - ऐसी भी बातें होती हैं, संवादहीन , झाँसी की रानी ,समानार्थी शब्द, मुहावरे (पाठ्यपुस्तक के आधार पर) उपसर्ग, प्रत्यय, संवाद लेखन , अनुच्छेद लेखन ,अपठित गद्यांश	

जनवरी	गद्य	रीढ़ की हड्डी	सामाजिक व्यंग्य नाटक है, जो दहेज प्रथा, दिखावे और संकीर्ण सोच पर व्यंग्य करता है तथा आत्मसम्मान और सत्य का संदेश देता है।
		मैं और मेरा देश	देशप्रेम और राष्ट्रीय भावना, भारत की विविधता में एकता,नागरिक कर्तव्य और जिम्मेदारी,सामाजिक एवं नैतिक मूल्यआत्म-अभिव्यक्ति और भाषा कौशल,सहयोग एवं सहभागितासंस्कृति, परंपरा और सम्मान
	लेखन	चित्र वर्णन	लेखन कौशल और सृजनात्मकता का विकास ।

फरवरी	पुनरावृत्ति	FINAL EXAMINATION PORTIONS- FULL PORTIONS
	FINAL EXAMINATION	

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA
YEAR PLAN FOR THE ACADEMIC YEAR 2026-27
MALAYALAM
CLASS - IX

MONTH	TOPIC	SUB-TOPICS	CONCEPTS	EVALUATION
ജൂൺ	ഉള്ളിലുയിർക്കും മഴവില്ല്	1.അമ്മ	* സുഖദുഃഖസമ്മിശ്രമായ ലോകത്ത് സമാധാനത്തോടെയും ശുഭാപ്തിവിശ്വാസത്തോടെയും ജീവിക്കേണ്ടതിന്റെ ആവശ്യകത. * പാരിസ്ഥിതികദർശനവും പരോപകാരത്തിലധിഷ്ഠിതമായ ജീവിതവും പ്രമേയമാകുന്ന കഥകൾ, കവിതകൾ * കവിയുടെ കാവ്യജീവിത സൂചനകൾ. * സവിശേഷ പ്രയോഗങ്ങൾ. * ചമൽകാരരംഗി.	
	ഭൂമിയാകുന്നു നാം	2. പുളിമാവ് വെട്ടി(പദ്യം)	* പരിസ്ഥിതിയും സാഹിത്യവും തമ്മിലുള്ള ബന്ധം . * പ്രത്യുത്പാദനരീതികളുമായ ജീവിതം മഹത്തരമാണ്	
	വ്യാകരണം	പ്രയോഗം മാറ്റുക	വാക്യപരിവർത്തനം ഭാഷാഗ്രഹണശേഷി	
	രചന	അവധാരണം(ഗദ്യം) കത്ത്		
ജൂലൈ	കർമ്മോത്സുകതയുടെ ലാവണ്യമുദ്രകൾ	3. നിങ്ങളും നിങ്ങളുടെ ജോലിയും(HPC)	* ചെയ്യുന്ന ജോലി ഏതുമാകട്ടെ, അതിനോട് പൂലർത്തുന്ന ആത്മാർത്ഥതയും മനോഭാവവുമാണ് ഒരുവന്റെ ജീവിതവിജയം നിശ്ചയിക്കുന്നത്	P 1 1.അമ്മ 2.പുളിമാവ് വെട്ടി (പ്രയോഗം മാറ്റുക അവധാരണം (ഗദ്യം)
	ഉജ്ജ്വലഹൃദയസ്പന്ദങ്ങൾ	4.അരുവിപ്പുറത്തുനിന്ന് ഒരു സന്ദേശം	നവോത്ഥാനകാലത്തെക്കുറിച്ചുള്ള അറിവ്	
ആഗസ്റ്റ്	പദം പദം ഉറച്ചു നാം	5. വംശം (പദ്യം)	* പ്രകൃതിയുടെ നാശം ആത്യന്തികമായി മനുഷ്യവംശത്തിന്റെ തന്നെ നാശത്തിന് കാരണമാകുന്നു.	
സെപ്റ്റംബർ	വിടിലു ഞാനീ രശ്മികളെ	6.ചിരിയുടെ അരങ്ങേറ്റം	* ആത്മകഥകളിലൂടെ പ്രകടമാകുന്ന സംസ്കാരവും, പ്രകൃതിയും ചരിത്രവും * ആത്മകഥകളെ കൂടുതൽ അനുഭവവേദ്യമാക്കുന്ന വാങ്മയ ചിത്രങ്ങൾ * കാവ്യാത്മകമായ ഭാഷ *ആത്മകഥാസാഹിത്യം, ചരിത്രം, പാരമ്പര്യം	
	വ്യാകരണം	അംഗ-അംഗി വാക്യങ്ങൾ,	ഭാഷാപ്രയോഗശേഷി	
	രചന	അവധാരണം(ഗദ്യം) ഉപന്യാസം	ഭാഷാപ്രയോഗശേഷി	
	നടക്കുന്നോറും തെളിയും വഴികൾ	7. സ്മാരകം(പദ്യം)	* മനുഷ്യൻ തന്റെ അഹന്തയുടെയോ ഓർമ്മകളുടെയോ അടയാളമായി കോൺക്രീറ്റിലും കല്ലിലും തീർക്കുന്ന ജീവനില്ലാത്ത നിർമ്മിതികൾക്ക് മുകളിൽ, പ്രകൃതി അതിന്റെ സ്വാഭാവികമായ രീതിയിൽ 'ജീവനുള്ള സ്മാരകങ്ങൾ' പ്രതിഷ്ഠിക്കുന്നു.	P 2 1. അരുവിപ്പുറത്തു നിന്ന് ഒരു സന്ദേശം 2.വംശം 3. ചിരിയുടെ അരങ്ങേറ്റം വാക്യപ്രയോഗം അംഗംഗി വാക്യങ്ങൾ അവധാരണം(ഗദ്യം) കത്ത് (ഔദ്യോഗികം)
ഒക്ടോബർ	രചന	പത്രവാർത്ത ഉപന്യാസം	ഭാഷാഗ്രഹണശേഷി സാമൂഹികാവബോധം ഭാഷാസിദ്ധി രൂപഘടന	
	ഉള്ളിലുയിർക്കും മഴവില്ല്	8. സുകൃതഹാരങ്ങൾ	* പരോപകാരപ്രദമായ ജീവിതമാണ് അഭികാമ്യം * മറ്റുള്ളവരെ നിസ്വാർത്ഥമായി സഹായിക്കുന്ന വ്യക്തികൾ പ്രധാന കഥാപാത്രങ്ങളായി വരുന്ന സാഹിത്യ കൃതികൾ * മഹത് വ്യക്തികളുടെ ജീവിത വീക്ഷണം, അനുഭവകഥകൾ എന്നിവയ്ക്ക് സമൂഹത്തിലുള്ള സ്വാധീനം	
നവംബർ	നടക്കുന്നോറും തെളിയും വഴികൾ	9.മണൽക്കുന്നകൾക്കിടയിലൂടെ	പ്രതിസന്ധികളിലും മനുഷ്യൻ ജീവിക്കാൻ കാണിക്കുന്ന അടങ്ങാത്ത ആഗ്രഹവും മരണത്തിന്റെ നിഴലിൽ നിൽക്കുമ്പോഴും അവനെ മുന്നോട്ട് നയിക്കുന്ന ആത്മബലവും പ്രകാശിപ്പിക്കുന്നു. *മലയാള സാഹിത്യത്തിലെ	P 3

ഡിസംബർ	ഉജ്ജ്വലഹൃദയസ്പന്ദങ്ങൾ	10.കാണുന്നൂണനേകമക്ഷരങ്ങൾ (സെമിനാർ)	പ്രബോധനപരമായ കവിതകൾ *സാമൂഹിക ജീവിതത്തിലുണ്ടായ മാറ്റങ്ങളെയും കേരളത്തിന്റെ നവോത്ഥാന മുന്നേറ്റങ്ങളെയും സൂചിപ്പിക്കുന്നു	1. സ്മാരകം 2. സുകൃതഹാരങ്ങൾ 3. മണൽക്കുന്നകൾക്കിടയിലൂടെ അംഗംഗി വാക്യങ്ങൾ വാക്യശുദ്ധി വാക്യപ്രയോഗം പത്രവാർത്ത ഉപന്യാസം
ജനുവരി	വ്യാകരണം	വാക്യശുദ്ധി, വാക്യപ്രയോഗം	ഭാഷാഗ്രഹണശേഷി സാമൂഹികാവബോധം ഭാഷാസിദ്ധി രൂപഘടന	ANNUAL EXAM PORTIONS Topics 1. അമ്മ 2. അരുവിപ്പുറത്തു നിന്ന് ഒരു സന്ദേശം 3. വംശം 4. ചിരിയുടെ അരങ്ങേറ്റം 5. സ്മാരകം 6. മണൽക്കുന്നകൾക്കിടയിലൂടെ 7. സുകൃതഹാരങ്ങൾ 8. പുളിമാവ് വെട്ടി അംഗംഗിവാക്യങ്ങൾ വാക്യശുദ്ധി വാക്യപ്രയോഗം പ്രയോഗം മാറ്റുക പത്രവാർത്ത കത്ത് ഉപന്യാസം അവധാരണം (ഗദ്യം)
ഫെബ്രുവരി	ആവർത്തന പാഠങ്ങൾ	എല്ലാപാഠങ്ങളുടെയും പദപരിചയം ഉൾപ്പെടുത്തണം (അർത്ഥം പര്യായപദങ്ങൾ വിപരീത പദം നാനാർത്ഥ പദങ്ങൾ അർത്ഥവ്യത്യാസം വാക്യ പ്രയോഗം എതിർലിംഗം വിഗ്രഹാർത്ഥം പിരിച്ചെഴുതുക വ്യാകരണം രചന)	ഭാഷാപ്രയോഗശേഷി	

BHARATIYA VIDYA BHAVAN ,KOCHI			
YEAR PLAN FOR THE ACADEMIC YEAR 2026-2027			
SANSKRIT CLASS IX			
MONTH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	पद्यम्	1. सत्यं शिवं सुन्दरं संस्कृतम्	एकता, शान्तिः
JULY	गद्यांशः	2. सुखस्य मूलं धर्मः धर्मस्य मूलम् अर्थः	धर्मः, अर्थः. उत्तरदायित्वम् ।
PERIODIC TEST 1 - JULY 27th-1st AUGUST LESSONS-1 , 2 AND GRAMMAR (अपठित-अवबोधनं, रचानात्मकं कार्यं-(कथापूर्तिः / संवादपूर्तिः), अनुप्रयुक्त-व्याकरणम्,पठितावबोधनम्)			
AUGUST	नाट्यांशः	3. आत्मवत्सर्वभूतेषु यः पश्यति सः पण्डितः	सर्वेषु जीवेषु आत्मवत् समभावना, करुणा, सहानुभूतिः तथा मानवतायाः विकासः।
SEPTEMBER	गद्यांशः	4. न खलु वयस्तेजसो हेतुः	देशभक्तिः, साहसम् तथा अल्पवयसि अपि महत् कार्यं कर्तुं क्षमता।
PERIODIC TEST 2 - SEPTEMBER 28th- OCTOBER 9th - LESSONS 1,2,3,4- AND GRAMMAR UPTO SEPTEMBER (अपठित-अवबोधनम्, रचानात्मकं कार्यम् - (कथापूर्तिः / संवादपूर्तिः, पत्रलेखनम्) अनुप्रयुक्त-व्याकरणम्,पठितावबोधनम्)			
OCTOBER	गद्यांशः पद्यम्	5. एषा सा कृतकबुद्धिः मानवबुद्धेः सहकरी (PBL) 6. मनः पूतं समाचरेत्	मानवबुद्धेः विकासे विज्ञानस्य योगदानम्। नैतिकमूल्यानां, सदाचारस्य, मानवतायाः तथा जीवनबोधस्य विकासः।
NOVEMBER	नाट्यांशः	7. उपायं चिन्तयेत् प्राज्ञस्तथापायं च चिन्तयेत् 8. अत्राद् आनन्दं प्रति (वाचिकं)	विवेकपूर्णनिर्णयः तथा दूरदर्शिता। अत्रस्य महत्त्वम् तथा स्वास्थ्यपूर्णजीवनम्।
DECEMBER	नाट्यांशः	9. कृतं प्रतिकृतं भूयादेष धर्मः सनातनः	दुष्टसंहारः, साहसम् तथा समाजरक्षणम्।
PERIODIC TEST 3 - DECEMBER 11th- 21st ,LESSONS- 6, 7 and grammar व्यञ्जनसन्धिः,विसर्गसन्धिः ,अव्ययानि ,उपपदविभक्ति-पञ्चमी-सप्तमी, उभयपदिधातवः (अपठित-अवबोधनं, रचानात्मकं कार्यं -(कथापूर्तिः / संवादपूर्तिः, पत्रलेखनम्) ,अनुप्रयुक्त-व्याकरणम्,पठितावबोधनम्)			
JANUARY	गद्यांशः	10. णमो अरिहन्ताणम् (क्रियाकलापः) 11. वर्णोच्चारण - शिक्षा 2	अहिंसा, शान्तिः,आत्मशुद्धिः तथा महापुरुषाणां प्रति श्रद्धा ।
FEBRUARY	FINAL EXAMINATION -FEBRUARY 15TH- 26TH ,LESSONS-4,6,9,11 सन्धिः , प्रत्ययाः, तत्पुरुष समासः, उच्चारणस्थानानि (अपठित-अवबोधनं, रचानात्मकं कार्यं -(कथापूर्तिः / संवादपूर्तिः, पत्रलेखनम्) ,अनुप्रयुक्त-व्याकरणम्,पठितावबोधनम्)		
Note: Question pattern for each examination should be according to CBSE.			

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA

YEAR PLAN FOR THE ACADEMIC YEAR 2026-2027

STD IX		MATHEMATICS	
MONTH	TOPIC	SUB TOPICS	CONCEPTS
JUNE	1.ORIENTING YOURSELF: THE USE OF COORDINATES	Introduction, the 2-D Cartesian coordinate system, Distance between two points in the 2-D plane, Midpoint of the line segment between two points in the 2-D plane	Introduction, Cartesian coordinate system, coordinates of a point, quadrants, plotting of points, locations and the position of one point relative to another point using coordinates, distance between two points using coordinates, collinear points, position of the midpoint of a line segment using coordinates, check whether a triangle is right angled using coordinates, reflection of a point (mirror image of a point)
	2.INTRODUCTION TO LINEAR POLYNOMIALS	Introduction, Linear Polynomials, exploring linear patterns, linear growth and linear decay, linear relationships, visualising linear relationships, slope and y- intercept.	Algebraic expressions, definition of a polynomial, degree of a polynomial, introduction to linear polynomials and applications, exploring linear patterns, modelling linear growth and linear decay, linear relationships, graph of a linear equation in two variables, use computational thinking to identify patterns, construct linear expressions, and systematically represent and analyse linear relationships using equations and graphs, slope and y-intercept of a line $y = ax + b$, slope of parallel lines.
JULY	2.INTRODUCTION TO LINEAR POLYNOMIALS (contd...)		
	3.THE WORLD OF NUMBERS	History of numbers, integers- expanding the horizon, introduction to rational numbers, representation of rational	History of numbers, introduction to rational numbers, operations on rational numbers, distributive property of rational numbers,

		numbers on the number line, density of rational numbers, irrational numbers, Proof of irrationality of $\sqrt{2}$ and $\sqrt{3}$, construction of length \sqrt{n} , real numbers: decimals and cyclic patterns.	representation of rational numbers on the number line, absolute value of rational numbers, density of rational numbers, finding rational numbers between any two rational numbers, decimal representation of rational numbers, introduction to irrational numbers, proof of irrationality of $\sqrt{2}$ and $\sqrt{3}$, the square root spiral, real numbers, decimal expansion of real numbers, converting into p/q form, cyclic numbers, imaginary numbers(just introducing imaginary numbers)
PERIODIC TEST 1- JULY 27 to AUGUST 1 (CHAPTERS 1 & 2)			
AUGUST	4.EXPLORING ALGEBRAIC IDENTITIES	Revisiting algebraic identities, visualising identities using geometrical models, factorisation of algebraic expressions using identities, more identities and their applications, visualising factorisation of quadratic expressions through algebra tiles and without using algebra tiles, finding new identities, simplifying rational expressions	Revisiting algebraic identities, visualising identities using geometrical models, expand using algebraic identities, factorisation of algebraic expressions using identities, more identities and their applications, visualising factorisation of quadratic expressions through algebra tiles and without using algebra tiles, finding new identities, simplifying rational expressions.
SEPTEMBER	5.I'M UP AND DOWN, AND ROUND AND ROUND	Practical applications and uses of circles, definitions related to a circle — centre, diameter, and radius, symmetries of a circle, how many circles, chords and the angles they subtend, midpoints and perpendicular bisectors of chords, distance of chords from the centre, subtended angles by an arc, concyclicity of points	definitions related to circles. -‘chord’, ‘diameter’, ‘radius’, ‘arc’, ‘centre’, there exists a unique circle through three non-collinear points, Construct the circumcircle and circumcentre of a triangle, describe the location of the circumcentre for acute, obtuse, and right-angled triangles, angle subtended by an arc at the centre of the circle 1. (prove) ‘equal chords subtend equal angles at the centre’.

			<p>2.(prove)‘chords that subtend equal angles at the centre are equal’.</p> <p>3.(motivate)‘the line from the centre of a circle to the midpoint of a chord is perpendicular to the chord’.</p> <p>4.(motivate)‘a perpendicular from the centre to a chord bisects the chord’.</p> <p>5.(prove)the relationship between length of a chord and its distance from the centre of the circle.(theorem 8)</p> <p>6.(prove)‘equal chords are equidistant from the centre and conversely(only motivate for converse)’</p> <p>diameter is the longest chord’.</p> <p>7.(prove) ‘the angle subtended by an arc at the centre is double the angle subtended by the arc at any point on the remaining part of the circle’.</p> <p>angles in the same segment of a circle are equal, the angle in a semicircle is a right angle, determine when four given points are concyclic</p> <p>8.(prove)‘a quadrilateral with supplementary opposite angles is cyclic, and conversely’.</p>
	7. THE MATHEMATICS OF MAY BE: INTRODUCTION TO PROBABILITY	Concept of probability and randomness,the probability scale, measuring probability objectively- experimental probability and theoretical probability, analysing statistical data, elements of probability- sample spaces and events, tree diagrams	Concept of probability and randomness, the probability scale, empirical probability: analysing statistical data and performing experiments, theoretical probability: sample space and events, representing probability through tree diagrams and tables.
	6.MEASURING SPACE: PERIMETER AND AREA	Perimeter of shapes, Perimeter of a circle:Introduction to Pi and its irrationality, Length of an arc, problems, puzzles and paradoxes on perimeter,	Perimeter of shapes, circumference of a circle, value of pi, length of arc,Area of shapes: rectangles, parallelograms, and triangles, a median of a triangle divides it

		Area of shapes: rectangles, parallelograms, and triangles, Heron's formula, Brahmagupta's formula for area of a cyclic 4-gon, Heron's formula as a special case of Brahmagupta's formula, squaring a rectangle, Area of a circle, Area of the sector of a circle	into two triangles of equal area, Heron's formula, Brahmagupta's formula for area of a cyclic 4-gon, area of circle, area of sector, area of segment, area of cyclic quadrilateral.
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PERIODIC TEST II - SEPTEMBER 28 to OCTOBER 9 (CHAPTERS 1, 3, 4 & 5)

OCTOBER	6.MEASURING SPACE: PERIMETER AND AREA(contd....)		
	8.PREDICTING WHAT COMES NEXT: EXPLORING SEQUENCES AND PROGRESSIONS	Introduction to sequences, explicit or general rule of a sequence, recursive rule of a sequence, Arithmetic Progressions (AP): nth term, visualising an AP, and practical contexts leading to Aps, sum of the first n natural numbers, Geometric Progressions (GP): nth term, visualising a GP, and practical contexts leading to GPs, applications of GP in fractals	Sequence of numbers, general rule of a sequence, pattern in a sequence and find the next few terms, recursive and explicit rules for different sequences, Arithmetic Progressions (AP): nth term, visualising an AP, and practical contexts leading to APs, Sum of the first n natural numbers, Geometric Progressions (GP): nth term, visualising a GP, and practical contexts leading to GPs, Applications of GP in fractals .

BHARATIYA VIDYA BHAVAN, KOCHI			SUBJECT: SOCIAL SCIENCE
CLASS : IX			YEAR PLAN 2026-27
MONTH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	1. UNDERSTANDING SOCIAL SCIENCE	Introduction, Meaning of social science, Scope of social science, Relevance of social science in every day life, Understanding social science from an Indian perspective, Major disciplines of social science, Interrelationship among the disciplines of Social Science, Values promoted through the study of social science. Discussion and assessed through Questionnaire -NOT FOR EVALUATION	Meaning and Scope of Social Science Branches of Social Science (History, Geography, Economics, Political Science Relationship between Human Beings and Society Social Science and Nation Building Use of Social Science in Problem Solving Skills Developed through Social Science
JUNE	2. SHAPING OF THE EARTH'S SURFACE (G)	Introduction, Interior of the earth, Layers of the Earth, Diagram- Page 43- Layers of the Earth to be taught. Theory of Plate Tectonics. Tectonics Plate, Page No: 44 Box to be taught. Movements of Tectonics Plate, Types of Plate Movements Weathering and Erosion. Weathering - Types of Weathering, Importance of Weathering; Erosion, Importance of Erosion- Page no 47 Table : Difference between Weathering and Erosion. to be taught. Agents of Gradation. Rivers – Wind -Waves and Ocean Currents -Glaciers -Underground Water. Major Landforms And Their Formation. Mountains - Fold Mountains- Volcanic Mountains, Plateaus - Formation of Plateaus - By Tectonic uplift (Movement of Earth's Crust), By Volcanic Activity (Lava Deposition) Plains - River plains -Coastal Plains-Glacial Plains- Valleys - V shaped Valleys (River valleys) U shaped Valleys (Glacial Valleys) Deserts - Formation of Deserts Low Rainfall -Extreme Temperature Conditions - Role of Wind in Shaping the Landscape, Coastal Landforms, Formation of Coastal landforms- Major Coastal Features- Cliff - Beaches - Sea Caves - Sea Arches, Spits, Lagoons. (Portfolio Activity - Landforms and Natural Disasters, Earthquakes –Landslides- Avalanches - Glacial Lake Outburst floods,(GLOF),Dust Storms, Importance of Disaster Mitigation. Page No 43 Box Only for discussion- NOT FOR EVALUATION)	Interior of the earth . Layers of the Earth . Movement of Tectonic plates - Types of Plate Movements. Weathering - Types of Weathering. Importance of Erosion- Table: Difference between weathering and Erosion. Landforms and disasters: earthquakes, landslides, avalanches, Glacial Lake Outburst Flood (GLOF)
JUNE	4. BEGINNINGS OF CIVILISATION (H)	Introduction, Cultural development from 2 million years ago, Early human history, Periodisation: Archaeological ages. Harappan and contemporary cultures, Ancient river valley civilisation- Mesopotamian, Egyptian and Chinese civilisation (INTER DISCIPLINARY ACTIVITY - Who were human ancestors, Palaeolithic Age: Hunter-gatherer and stone tools, Mesolithic Age: Transition to Food production, Mesolithic sites and tools, Neolithic Age: Beginning of farming, The Neolithic Revolution, Domestication of plants and animals) (Social, political and religious structures - Only for Discussion NOT FOR EVALUATION)	Cultural development from 2million years ago, Early human history, Periodisation: Archaeological ages, Who were human ancestors, Palaeolithic Age: Hunter-gatherer and stone tools, Mesolithic Age: Hunter-gatherer and stone tools, Mesolithic Age: Transition to Food production, Mesolithic sites and tools, Neolithic Age: Beginning of farming, The Neolithic Revolution, Domestication of plants and animals, Harappan and contemporary cultures, Ancient river valley civilisation, Social, political and religious structures. Archaeology, prehistory, history, palaeolithic, mesolithic, neolithic, river valley civilization
JUNE / JULY	6. DEMOCRACY (P)	Introduction, Meaning of Democracy, Features of Democracy, Types of Democracy, Differentiate between Parliamentary and Presidential systems -Table to be taught Challenges to Democracy in India. (Broader meaning of Democracy- ONLY FOR DISCUSSION. Roots of Democracy in India -INTER DISCIPLINARY ACTIVITY. Democratic Systems in the World - Activity Based Learning NOT FOR EVALUATION)	Introduction. Meaning of democracy. Features of democracy. Types of democracy Challenges to democracy in India Democratic systems in the world Roots of democracy in India.

JULY	8. BUILDING BLOCKS IN ECONOMICS (E)	<p>Introduction Scarcity of resources Meaning of Resources, Unlimited human wants, Choice and opportunity cost, meaning of Opportunity Cost, The central Problems of an Economy</p> <p>(Assignment- Scarcity at the individual Level, Scarcity at the societal level, Scarcity and Economic problem, Importance of understanding scarcity. Prepare MCQ Questions- Nature of choice in Economics, Choice at the individual level, Choice at the societal level, Importance of opportunity cost, Opportunity cost in daily life, Opportunity cost and scarcity, Role of opportunity cost in economic decisions, Role of Economists. - NOT FOR EVALUATION)</p>	Scarcity of resources. Choice and opportunity cost. Role of Economists
PERIODIC TEST 1 (27/07/2026 - 01/08/2026)			
AUGUST	8. BUILDING BLOCKS IN ECONOMICS (E)	<p>Economic System, Capitalist Economy (Market Economy), Role of Demand and Supply, Socialist Economy (Planned Economy), Role of Planning, Mixed Economy, Advantages of a Mixed Economy, Limitations, Role of Government in a mixed economy, Welfare Economy, Role of resources in a welfare Economy</p> <p>(Activity- Discussion and Debate Advantages of a Market economy, Limitations of a Market economy, Advantages of a Socialist economy, (Planned Economy), Limitations of Planned economy (Socialist Economy) Boxes ONLY FOR READING - NOT FOR EVALUATION)</p>	Central Problems of An Economy. Economic Systems. Welfare Economy.
AUGUST	3. ATMOSPHERE AND CLIMATE (G)	<p>Introduction, Structure and Composition of the Atmosphere. Structure of the Atmosphere. Composition of the Atmosphere. Major Gases, Elements of Weather and Climate Seasons of India, Indian Monsoon. Distribution of rainfall, Floods, Causes of Floods</p> <p>INTER DISCIPLINARY ACTIVITY Main Seasons of India. Climate Change, Effects of Climate Change, Importance of Climate Awareness, Impact of Flood, Flood Management and Awareness, Carbon Footprint, Reducing Carbon Footprint. (NOT FOR EVALUATION)</p>	Structure and Composition of the Atmosphere Elements of Weather and Climate. Seasons of India. Indian Monsoon. Climate Change. Floods. Carbon Footprint
AUGUST / SEPTEMBER	5. STATE AND SOCIETY (UPTO 1000CE) (H)	<p>Introduction, The Vedic Age-Early Vedic Period (c. 1500-1000 BCE) Later Vedic Period (c. 1000 - 600 BCE), Administrative structure of Early Empires- Mauryan Administration- Gupta Administration, Comparison between Mauryan and Gupta administration- Quest For Knowledge: Educational Heritage, Knowledge, Traditions, And Cultural Practices- Education institutions- Knowledge Traditions- Cultural Practices, Traders And Trade Routes, Guilds And Merchants, Crafts and industries- traders and trade routes- guilds and merchants- crafts and industries.</p> <p>HPC ACTIVITY- Comparison between Mauryan and Gupta Administration</p>	Vedic Age, Administrative structure of early empires, Quest for knowledge — educational heritage, institutions, knowledge traditions, and cultural practices. Traders and trade routes, guilds and merchants, crafts and industries.
SEPTEMBER	7. ELECTIONS (E)	<p>Introduction, Importance of elections in a democracy. Electoral system. Delimitation commission. Election Commission of India and its role. Constituency, Electoral Rolls and enumerators, Party system in India, Features of Indian Party System, Role of political parties, Importance of the party system in a Democracy.</p> <p>(ACTIVITY- QUIZ Laws governing elections in India- NOT FOR EVALUATION).</p>	Importance of elections in democracy, Scope of Social Science Laws governing Elections in India, Delimitation Commission Election Commission of India and its role, Constituency, Electoral role, and enumerators Party system in India.
PERIODIC TEST 2 (28/09/2026 - 09/10/2026)			

OCTOBER

**9.The Price Puzzle:
What Drives
the Market (E)**

Introduction. Law of Demand and Supply.Law of Demand. Why demand falls when price rises.Demand in daily life.Law of Supply.Why supply rises when price rises.Supply in Daily life.Interactions of Demand and Supply. Price Ceiling and Market Failures. Price Ceiling, Purpose of Price Ceiling, Price Ceilings and Demand and Supply balance, Effects of Price Ceilings, Price Ceilings and Social Welfare
Price Floor

(INTER DISCIPLINARY ACTIVITY -

Understanding demand Individual demand and Market Demand. Factors affecting Demand Demand Curve
Understanding Supply. Individual Supply and Market Supply. Factors affecting Supply. Real world deviations, Why deviations occur in real markets.
Deviations from the Law of Demand. Deviations from the Law of Supply.Temporary Nature of Deviations. Market Failure. Why Market Failure occur.
Market failure and Government role -**NOT FOR EVALUATION)**

*Law of Demand and Supply Understanding
Deviations Understanding Supply Real world
Deviations Price Ceilings and Market Failures*

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA**YEAR PLAN (2026-2027)****STANDARD IX****PHYSICS**

MONTH	UNIT	TOPIC
June	1	Advanced - Measurement – The foundation of Science
	4	Describing motion around us,
July	4	Describing motion around us(Contd...),
	2	Advanced -Understanding motion through experience(Derivation of distance travelled in nth sec is not needed)
	PERIODIC TEST –I (July 27 to August 1) STANDARD - CHAPTER 4 (Describing motion around us) ADVANCED - Chapters 1 & 2	
August	6	How Forces Affect Motion
	3	Advanced - 3.1 - Newton's Laws of Motion - Pseudo forces 3.3 - Turning forces
	6	How Forces Affect Motion (Contd..)

September	<p style="text-align: center;">PERIODIC TEST –II [Sept 28th to Oct 09th] STANDARD - CHAPTER4 (Describing motion around us) and Chapter 6 (How Forces Affect Motion) 40% marks from CHAPTER 4 and 60% marks from CHAPTER 6 ADVANCED - UNIT 3 (3.1 & 3.3)</p>	
October	7	Work,Energy and Simple Machines
	5	Advanced- Work and Energy(5.1 & 5.2)
November	7	Work,Energy and Simple Machines (contd..)
	4	Advanced- The Geometry of power- Advanced simple Machines (4.1 & 4.2)
December	10	Sound Waves- Characteristics and Applications
	4	Advanced- The Geometry of power- Advanced simple Machines (4.3 Tension)
	<p style="text-align: center;">PERIODIC TEST –III DEC 11th to 21st] - STANDARD - 20% marks from CHAPTER 4 , 20% marks from CHAPTER 6 and 60% marks from CHAPTER 7 ADVANCED - UNIT 4</p>	

January	10	Sound Waves- Characteristics and Applications(contd..)
	13	Earth as a System: Energy, Matter and Life (Portfolio Activity/ Not for Evaluation)
	3	Advanced - Gravitation (3.2)
February	<p align="center">FINAL EXAMINATION (Feb 15-26) STANDARD - 15 % from CHAPTER 4 - DESCRIBING MOTION AROUND US, 15 % from CHAPTER 6 - HOW FORCES AFFECT MOTION, 30% from CHAPTER 7 - WORK, ENERGY AND SIMPLE MACHINES & 40% from CHAPTER 10 - SOUND WAVES: CHARACTERISTICS AND APPLICATIONS ADVANCED - UNIT 1, 2, 3, 4 & 5</p>	
LIST OF EXPERIMENTS		
1	Verification of the laws of reflection of sound.	
2	Determination of a pulse propagated through a stretched string/ slinky.	

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STD IX-YEAR PLAN FOR THE ACADEMIC YEAR 2026-2027

Month	Chapter & Topics	Sub Topics	Concepts
June	<p>Chapter 5 – Exploring Mixtures and their Separation (Pg. 72–81)</p> <p><i>Advanced:</i> Chapter 8 – Mixtures and their Separation- Fractional distillation</p>	<p>1. How can we classify mixtures.</p> <p>2. Solutions</p> <p>3. Methods of separation of homogenous mixtures</p>	<p>1. Homogeneous and heterogeneous mixtures.</p> <p>2. Concentration of a solution – i) Mass by mass percentage ii) Mass by volume percentage iii) Volume by volume percentage</p> <p>3. Solubility of substances</p> <p>4.) Crystallisation , distillation</p>
July	<p>Chapter 5 – Exploring Mixtures and their Separation (Pg. 82–89)</p> <p><i>Advanced:</i> Chapter 8 – Mixtures and their Separation- Column Chromatography</p>	<p>1. Methods of separation of homogeneous mixtures</p> <p>2) How can we separate the components of heterogeneous mixtures?</p> <p>3) Tyndall Effect</p>	<p>1. Paper chromatography</p> <p>2. Separation of heterogeneous mixtures- i) Separation of two immiscible liquids ii) Sublimation iii) Suspensions A. Centrifugation B. Coagulation</p> <p>3. Alloys , examples</p> <p>4. Colloids</p>
<p>PT I 27/07/2026 -01/08/2026</p> <p align="center">-</p> <p align="center">Chapter 5 - Exploring mixtures & their separation Up to sublimation (included) 5.4.2 Adv. Fractional distillation & Column Chromatography (3 marks)</p>			
August	<p>Chapter 8 – Journey Inside the Atom (Pg. 140–145)</p> <p><i>Advanced:</i></p>	<p>1) Rediscovering the Roots of Atomic Theory</p> <p>2) A Short</p>	<p>1) Historical Development of the Atom</p> <p>2) Thomson’s model of an atom</p> <p>3) Testing</p>

	Chapter 2 – Structure of Atom- Discovery of subatomic particles.	Historical Journey Through Atomic Models	Thomson's model: The gold foil experiment 4) Rutherford's model of an atom 5) Limitations of Rutherford's model 6) Discovery of the proton
September	Chapter 8 – Journey Inside the Atom (Pg. 146–152) Advanced: Chapter 2 – Structure of Atom 1.Types of spectrum-continuous spectrum, line spectrum. 2. Hydrogen spectrum, Rydberg's equation 3.Achievements and limitations of Bohr's model.	1. A Short Historical Journey Through Atomic Models. 2. What components contribute to the mass of an atom 3. Symbols of elements 4. Atomic number 5. Mass number 6. How are electrons distributed in different energy levels?	1. Bohr's model of the atom 2. Discovery of the neutron 3. Symbols of elements 4. Atomic number 5. Mass number 6. Building up atoms.
PT II 28/09/2026-09/10/2026			
Chapter 5 - Methods of separation of homogeneous mixture (5.3 onwards) - 40% Chapter 8 - Journey inside the atom (including discovery of neutron (P.No. 147) - 60%			
Adv - Discovery of subatomic particles - (5 marks)			
October	Chapter 8 – Journey Inside the Atom (Pg. 153–157)	1. Combining capacity of an atom- valency 2. A deeper look into atomic structure.	1. valency, valence shell and valence electrons 2. Isotopes 3. Average atomic mass 4. Isobars
November	Chapter 9 – Atomic Foundation of	1. Physical change &	1.Characteristics of physical and chemical changes.

	<p>Matter (Pg. 162–168)</p> <p><i>Advanced:</i> Chapter 7 – Chemical Bonding 1. Malleability 2. Ductility 3. Lewis symbols 4. Octet rule - exceptions</p>	<p>chemical change</p> <p>2. Law of conservation of mass</p> <p>3. 3. law of constant proportion</p> <p>Dalton's atomic theory.</p>	<p>2. Difference between physical and chemical changes</p> <p>3. Law of Conservation of Mass.</p> <p>4. Law of Constant Proportions</p> <p>5. Dalton's Atomic Theory and its postulates</p>
December	<p>Chapter 9 – Atomic Foundation of Matter (Pg. 169–172)</p> <p><i>Advanced:</i> Chapter 7 – Chemical Bonding Metallic bond 2. Electrical and thermal conductivity</p>	<p>1. How atoms combine?</p> <p>2. Covalent bond</p>	<p>1. Chemical bonds</p> <p>2. Formation of bonds by sharing and transfer of electrons</p> <p>3. Covalent bond</p> <p>4. Formation of covalent compounds</p> <p>5. Molecules of elements and compounds.</p> <p>6. Single bonds and double bonds</p> <p>7. Molecules of compounds</p> <p>8. Naming of covalent compounds.</p>
<p>PT III 11/12/2026 - 21/12/2026</p> <p>Chapter 5 - From starting till Paper chromatography 5.3.3 (including) - 20% Chapter 8 - Bohr model onwards till the end of the chapter - 20% Chapter 9 - From 60% from Chapter 8 (From symbols of elements) & Chapter 9 Atomic foundation of matter including Dalton's atomic theory (9.3) Adv. - Spectrum, Bohr model - 5 marks</p>			
January	<p>Chapter 9 – Atomic Foundation of Matter (Pg. 172–179)</p>	<p>1. Ionic bond</p> <p>2. Writing chemical formulae</p> <p>3. Properties of ionic and covalent compounds</p> <p>4. Molecular mass of covalent compounds</p>	<p>1. Ionic bonds.</p> <p>2. Writing chemical formulae of ionic compounds</p> <p>3. Properties of ionic and covalent compounds</p> <p>4. Molecular mass of covalent compounds</p>

		5. Formulae unit mass of ionic compounds	5. Formula unit mass of ionic compounds
FEBRUARY	<p style="text-align: center;">REVISION Final Exam 15/02/2027 – 26/02/2027</p> <p>Chapter 5 - Exploring mixtures & their separation - 20% Chapter 8 - Journey inside the atom - 20% Chapter 9 - Atomic foundation - 60% Adv - Mixtures & separation (2 marks) Structure of atom (2 mark) Chemical bonding (4 marks)</p>		

BHARATIYA VIDYA BHAVAN ,KOCHI**YEAR PLAN FOR THE ACADEMIC YEAR 2026-27**

CLASS	IX	
SUBJECT	BIOLOGY	ADVANCED
MONTH	TOPIC	TOPIC
JUNE	CHAPTER 1 EXPLORATION ENTERING THE WORLD OF SECONDARY SCIENCE (SELF STUDY - NOT FOR EVALUATION). CHAPTER 2 -CELL : THE BUILDING BLOCK OF LIFE	MICROSCOPE & MICROSCOPY 9.1 TO 9.2
JULY	CHAPTER 2-CELL : THE BUILDING BLOCK OF LIFE REVISION PERIODIC TEST 1 - (July 27th to August 1st) PORTIONS CHAPTER 2 CELL : THE BUILDING BLOCK OF LIFE ADVANCED: MICROSCOPE & MICROSCOPY(9.1 TO 9.4) DIAGRAMS FOR EVALUATION Fig. 2.10: (a) A typical bacterial cell, (b) a typical plant cell, and (c) a typical animal cell Fig. 2.14: Structure of a mitochondrion Fig. 2.15: Structure of a chloroplast	MICROSCOPE & MICROSCOPY 9.3 TO 9.4
AUGUST	CHAPTER 3- TISSUES IN ACTION	MICROSCOPE & MICROSCOPY 9.5

<p>SEPTEMBER</p>	<p>CHAPTER 3- TISSUES IN ACTION</p> <p>REVISION PERIODIC TEST - 2 (SEPTEMBER 28- OCTOBER 9) PORTIONS CHAPTER 2 - 20 % OF CELL : THE BUILDING BLOCK OF LIFE (2.2.1 - CELL MEMBRANE -THE UNIVERSAL FEATURE OF A CELL) CHAPTER 3- TISSUES IN ACTION (FULL CHAPTER) ADVANCED: MICROSCOPE & MICROSCOPY(9.5 TO 9.6) DIAGRAMS FOR EVALUATION - Fig. 3.8: Various types of simple permanent tissues Fig. 3.13: Different types of muscles Fig. 3.14: Structure of a neuron</p>	<p>MICROSCOPE & MICROSCOPY 9.6</p>
<p>OCTOBER</p>	<p>CHAPTER 11- REPRODUCTION : HOW LIFE CONTINUES</p>	<p>ENGINEERING LIFE: MIRACLES IN BIOTECHNOLOGY 10.1 TO 10.2</p>
<p>NOVEMBER</p>	<p>CHAPTER 11- REPRODUCTION : HOW LIFE CONTINUES CHAPTER 12 - PATTERNS IN LIFE: DIVERSITY AND CLASSIFICATION</p>	<p>ENGINEERING LIFE: MIRACLES IN BIOTECHNOLOGY 10.3 TO 10.4</p>

DECEMBER	CHAPTER 12 - PATTERNS IN LIFE: DIVERSITY AND CLASSIFICATION (Contd..) PERIODIC TEST - 3 (Dec 14 to 21th Dec) PORTIONS 20 % OF CHAPTER 2 - CELL : THE BUILDING BLOCK OF LIFE (2.4 CELL DIVISION) 20% OF CHAPTER 3- TISSUES IN ACTION (3.5-TYPES OF JOINTS , 3.6-SKELETAL SYSTEM) & CHAPTER 11- REPRODUCTION : HOW LIFE CONTINUES(FULL CHAPTER-60 %) ADVANCED : ENGINEERING LIFE: MIRACLES IN BIOTECHNOLOGY (10.1 TO 10.4) Fig. 11.10: Longitudinal section of a flower showing its different parts Fig. 11.11: Structure of a pistil Fig. 11.14: Germination of pollen on stigma Fig. 11.18: Male reproductive system Fig. 11.19: Female reproductive system	ENGINEERING LIFE: MIRACLES IN BIOTECHNOLOGY (10.5)
JANUARY	CHAPTER 12 - PATTERNS IN LIFE: DIVERSITY AND CLASSIFICATION	ENGINEERING LIFE: MIRACLES IN BIOTECHNOLOGY (10.6)
FEBRUARY	REVISION FINAL EXAMINATION (FEBRUARY 15 - 26) FULL PORTIONS (CHAPTER 2,3,11& 12) ADVANCED : ENGINEERING LIFE: MIRACLES IN BIOTECHNOLOGY (10.5 TO 10.6)	

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA ARTIFICIAL INTELLIGENCE

CLASS: IX

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	PART B Unit 1- AI Reflection, Project Cycle and Ethics PART B Unit 5- Introduction to Python.	PART B Unit 1- AI Reflection, Project Cycle and Ethics PART B Unit 5- Introduction to Python Basics of Python	AI Reflection - Define Artificial Intelligence (AI) The applications of AI in everyday life The three domains of AI and their applications. The AI Project Cycle II - importance of the AI project cycle. Stages of AI Project Cycle Problem Scoping. • Data Types - integer, float, strings •Variables •Assignment operator •Type conversion •Arithmetic operators • Using print() and input() functions
JULY	PART B Unit 1- AI Reflection, Project Cycle and Ethics PART B Unit 5- Introduction to Python	AI Project Cycle (Remaining Stages) AI Ethics- II- Ethics and Morality Operators & Flow of Control	AI Project Cycle (Remaining Stages) Data Acquisition, Data Exploration, Modelling, Evaluation, Deployment) AI Ethics- II- Ethics and Morality The difference between ethics and morality. • The ethical scenarios faced while building AI solutions • AI bias and to identify bias in AI AI Ethics Operators & Flow of Control
PERIODIC ASSESSMENT 1 -25/7/2025 to 1-08-2025			
AUGUST	PART A Unit 1- Communication Skills 1 PART A Unit 2-Self Management Skills-1 PART B Unit 2 - Data Literacy PART B Unit 5 - Introduction to Python	PART A UNIT 1-Communication Skills PART B Unit 2 - Data Literacy PART A Unit 2-Self Management Skills PART B Unit 5 - Introduction to Python	Communication Skills: Importance of Communication, Elements of Communication, Perspective in Communication, Effective Communication, Types of Communication, Advantages & Disadvantages of Communication, Public Speaking. Speaking Correctly, Phonetics, Types of Sound , Types of Greetings Self Management Skills: •Introduction to Self Management •Strength and weakness analysis •Self Confidence,Positive thinking,Personal Hygiene, Grooming Data Literacy: •Introduction to data literacy •Impact of data literacy •How to become data literate? •What are data security and privacy? How are they related to AI? •Best practices for Cyber Security Python Condition statements <code>if...elif..else</code>

DECEMBER	PART B - Unit 4 - Introduction to Generative AI	Generative AI and its types, Examples, Benefits & Limitations	Definition Features of Neural Network Neural Networks Vs Human Nervous System To understand Generative AI and its types. To know examples and benefits of using Generative AI. To identify popular Generative AI tools and their applications. To sensitize the students about the ethical considerations of using Generative AI. To explain students about the potential negative
	PART B Unit 5 - Introduction to Python	List methods	List Methods Append, extend, insert, remove, pop, clear, index, count, sort, reverse, copy Simple operations using Lists Indexing, Adding, Removing, Slicing a list
	PART A Unit 5 - Green skills -I	Green Skills - I	Society and Environment

PERIODIC TEST III (15-12-2025 to 20-12-2025)-Max marks:50			
JANUARY		Entrepreneurial skills	To understand Generative AI and its types.
FEBRUARY	FINAL EXAMINATION(Theory: 50 marks)		

**BHARATIYA VIDYA BHAVAN, KOCHI KENDRA
COMPUTER APPLICATION
YEAR PLAN FOR THE ACADEMIC YEAR 2026-27**

CLASS: IX

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	COMPUTER SYSTEM	Basics of Information Technology	Computer Systems: Characteristics of a computer, components of a computer system-CPU(CU, ALU), Memory, storage devices and I/O devices . Memory: Primary (RAM & ROM) and Secondary Memory Storage Devices: Hard disk CD ROM DVD PEN/FLASH DRIVE ,Memory Stick I/O Devices: Keyboard, Mouse, Monitor, Printer, Scanner, Web Camera

<p>JULY</p>	<p>OPENOFFICE.ORG WRITER 1</p>	<p>Office Tools(Word Processor)</p>	<p>Word processor - text style (B, I, U) font type, size, changing colour, alignment of text. Create and save a document. Formatting paragraphs with line and /or paragraph spacing, adding headers and footers, numbering pages using grammar and spell-check utilities, using subscript and superscript, insert symbols, use print preview and print a document</p>
<p>AUGUST</p>	<p>OPENOFFICE.ORG WRITER 2</p>	<p>OPENOFFICE.ORG WRITER</p>	<p>Insert Pictures: Change the page setting , add bullets and numbering, borders and shading Inserting tables-inserting , deleting rows and columns, merging and splitting cells Use autoformat, Track changes ,Review comments, Use of drawing tools, Shapes and Mathematical symbols</p>

<p>SEPTEMBER</p>	<p>COMPUTER NETWORKING, MULTIMEDIA BASICS, SPREADSHEET TOOL</p>	<p>Computer networking ,Multimedia Office Tools(Spreadsheet-1)</p>	<p>Computer Networking: Types of Networks : PAN, LAN, MAN, WAN, Wired/Wireless Communication, Wi-Fi, Bluetooth, cloud computers (private/public) Multimedia: images , audio, video, animation Introduction to spread sheet –concept of worksheet and work book ,creating and saving a worksheet working with a spread sheet-entering numbers, text , date/time ,series using auto fill, editing and formatting a worksheet including changing colours, size, font, alignment of text, inserting/deleting cells, rows/columns</p>
<p>OCTOBER</p>	<p>SPREADSHEET TOOL</p>	<p>Multimedia Office Tools(Spreadsheet-2)</p>	<p>Formula -entering a formula in a cell, using operators(+,-,*,/)in a formulae, refer to cell and printing a worksheet. Embedding charts of various types: line, pie, scatter, bar and area in a worksheet</p>

TERM END EVALUATION I

NOVEMBER	Cyber-safety	Cyber-safety	Safely browsing the web and using social networks :identity protection ,proper usage of password, privacy, Confidentiality of information, cyber stalking, reporting cyber crimes Safely accessing Websites: Viruses and Malware, Adware
DECEMBER	SPREADSHEET TOOL 2	Office Tools(Spreadsheet-2)	Use simple statistical functions ,Sum(), Average(),Max(),Min(), If() (without compound statements).

<p>JANUARY</p>	<p>PRESENTATION TOOL</p>	<p>Office Tools(Presentation)</p>	<p>Understanding the concept of slide shows, basic elements of a slide, different types of slide layouts, creating and saving a presentation, different views of a slide, Normal view, slide sorter view, slide show view, editing and formatting a slide: adding titles, sub titles, text, background, watermark, Headers and footers, numbering slides, inserting pictures from files animating pictures and text with sound effect, Rehearse timings.</p>
<p>FEBRUARY</p>	<p style="text-align: center;">TERM END EVALUATION II</p>		