



# UNIQUE GROUP OF INSTITUTIONS

**Subject:** Urdu | English | Islamiyat | Mathematics | Physics | Chemistry | Biology | Computer Science

**Complete Included & Excluded Syllabus (ALP)**

**EXAMINATION (Revised) 2025-26**

**Class: 9 Subject: Urdu**

**Overall Percentage of the Smart Syllabus (ALP)**

S.No	Class 9th Included Percentage	Class 9th Excluded Percentage
1	82%	18%

اسباق Lessons	کل نصاب Total Syllabus	شامل نصاب Included Syllabus	مخروف نصاب Excluded Syllabus	فیصدی شامل نصاب Included Syllabus %	فیصدی مخروف نصاب Excluded Syllabus %
حصہ نثر	نواسباق	1- اخلاق حسنہ 2- اپنی مدد آپ 3- کلیم اور مرزا ظاہر دار بیگ 4- نام دیو مانی 5- آرام و سکون 6- کتبہ 7- لڑی میں پروئے ہوئے منظر	1- ابتدائی حساب 2- بھیڑیا	78%	22%
حصہ نظم	چھ نظمیں	1- حمد 2- نعت 3- محنت کی برکات 4- جاوید کے نام 5- پیام لطیف	1- کرکٹ اور مشاعرہ (از دلاور فگار)	84%	16%
حصہ غزل	چار غزلیں	1- فقیرانہ آئے صدا کر چلے 2- غم ہے یا خوشی ہے تو 3- کاش طوفاں میں سفینے کو اتارا ہوتا۔	1- سن تو سہی جہاں میں ہے تیرا فسانہ کیا (از خواجہ حیدر علی آتش)	75%	25%
درخواست	6	چھٹی کی درخواست، بیماری کی درخواست، فیس معافی کی درخواست، سرٹیفکیٹ کے حصول کے لیے درخواست، صفائی کے لیے درخواست، ڈاکے کی شکایت (اردو قواعد و انشا: ص 80 تا 82)	کوئی نہیں	100%	0%
خطوط	8	والد کے نام سکول میں امتحانی نتیجے کی روداد بیان کرنا، والدہ کے نام موسم گرما کی تعطیلات کا ذکر، بڑے بھائی کے نام خط لکھنے کا تقاضا کرنا، آپا کے نام دسمبر کی چھٹیاں ایک ساتھ گزارنے کے لیے، چچا کے نام مزاج پرسی اور چچی کی بیماری پر تشویش ظاہر کرنا، چھوٹے بھائی کے نام اچھی صحبت اختیار کرنے کے لیے نصیحت، دوست کے نام جہیز اور شادی کے موقع پر بے جا اسراف کی مذمت کرنا، ہمسائے کے نام موسیقی بند کرنے کی درخواست کرنا کہ پڑھائی میں دقت ہو رہی ہے اور مشقی خطوط کے موضوعات اور رتعات یاد دہانی کا رڈ (اردو قواعد و انشا: ص 73 تا 79)	کوئی نہیں	100%	0%

کہانی	12	جس کا کام اسی کو ساجے، سچ کی برکت، جھوٹ کی سزا، اتفاق میں برکت ہے، لالچ بری بلا ہے، دودھ میں پانی، ہرنی کی دُعا، احسان کا بدلہ احسان، نادان کی دوستی، عادت کی خرابی، نا اتفاقی کا انجام، عقل مند بیوی اور خا کے کی مدد سے کہانی لکھنا (اُردو قواعد و انشا: ص 93 تا 103)	کوئی نہیں	100%	0%
مکالمہ	6	مریض اور ڈاکٹر، دکان دار اور خریدار، دو ہم جماعت، درزی خانے میں، تاریخ پاکستان، ہوٹل میں (اُردو قواعد و انشا: ص 86 تا 91)	کوئی نہیں	100%	0%
جملوں کی درستی / تصحیح		"نے" اور "کو" کا استعمال، فعل کی فاعل کے ساتھ مطابقت، اسم صفت اور اسم موصوف میں مطابقت، اسم ضمیر اور مرجع کی مطابقت (اُردو قواعد و انشا: ص 43 تا 45)	کوئی نہیں	100%	0%
ضرب الامثال		آپ کاج، مہاکاج تا یہاں کا باد آدم ہی نرالا ہے۔ (اُردو قواعد و انشا: ص 58 تا 61)	کوئی نہیں	100%	0%
مذکر مونث		اُردو قواعد و انشا: ص 13 تا 14	کوئی نہیں	100%	0%
واحد جمع		اُردو قواعد و انشا: ص 15 تا 19	کوئی نہیں	100%	0%
متضاد الفاظ		اُردو قواعد و انشا: ص 28 تا 29	کوئی نہیں	100%	0%
متضاد الفاظ		اُردو قواعد و انشا: ص 29 تا 31	کوئی نہیں	100%	0%
مجاورات		اُردو قواعد و انشا: ص 52 تا 58	کوئی نہیں	100%	0%

**Class: 9 Subject: Urdu**

**Overall Percentage of the Smart Syllabus (ALP)**

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1	82%	18%

**نہم اردو: نیا پیپر پیٹرن**

شمار	جزو	پرانانصاب	نیانصاب	اثر
1	ایم سی کیوز کی نوعیت	حصہ نثر میں سے 7 کثیر الانتخابی سوالات، حصہ نظم میں سے 2 کثیر الانتخابی سوالات، حصہ غزل میں سے 1 کثیر الانتخابی سوال، مذکر مونث میں سے 1 کثیر الانتخابی سوال، واحد جمع میں سے 1 کثیر الانتخابی سوال، مترادف الفاظ میں سے 1 کثیر الانتخابی سوال، متضاد الفاظ میں سے 1 کثیر الانتخابی سوال، محاورات میں سے 1 کثیر الانتخابی سوال	حصہ نثر میں سے 7 کثیر الانتخابی سوالات، حصہ نظم میں سے 2 کثیر الانتخابی سوالات، حصہ غزل میں سے 1 کثیر الانتخابی سوال، مذکر مونث میں سے 1 کثیر الانتخابی سوال، واحد جمع میں سے 1 کثیر الانتخابی سوال، مترادف الفاظ میں سے 1 کثیر الانتخابی سوال، متضاد الفاظ میں سے 1 کثیر الانتخابی سوال، محاورات میں سے 1 کثیر الانتخابی سوال	فہم پر زور
2	نظم کا سوال، سوال نمبر 6	صرف خلاصہ یا مرکزی خیال لکھنا لازمی	طلبہ کو انتخاب کی آزادی، کسی ایک نظم کا خلاصہ اور کسی دوسری نظم کا مرکزی خیال دیا جائے گا	ذہنی دباؤ میں کمی
3	ضرب الامثال کا سوال یا جملوں کی درستی	5 جملے ضرب الامثال کے اور 5 جملے درستی کے دیے جاتے تھے جن میں انتخاب کی سہولت تھی	انتخاب ختم کر دیا گیا۔ تین اجزا ضرب الامثال کے دیے جائیں گے اور چار اجزا درستی کے۔ دیے گئے سات اجزا میں سے پانچ اجزا کے جوابات درکار ہیں۔	تھوڑی محنت درکار، مگر زبان دانی بہتر ہوگی
4	نثر پاروں کی تشریح	دو نثر پاروں کی تشریح، الفاظ معانی، مصنف کا نام و سبق کا عنوان لکھنا اور نمبروں کی تقسیم بالترتیب یوں ہوگی: تشریح دو نمبر، الفاظ معنی دو نمبر، مصنف اور سبق کا نام ایک نمبر۔ کل پانچ جمع پانچ۔ دس نمبر	دو نثر پاروں میں سے ایک کا انتخاب کرنا ہوگا۔ جبکہ نمبروں کی تقسیم بالترتیب یوں ہوگی: تشریح پانچ نمبر، الفاظ معنی تین نمبر، مصنف اور سبق کے نام دو نمبر۔ کل دس نمبر	محنت درکار ہوگی۔

## Class: 9 Subject: English

Total No of Units/Topics	No of Units/Topics	Included Units/Topics	Excluded Units	Included Units %	Excluded Units %
Units	11	8	3	73%	27%
Letters	16	16		100%	
Story writing	22	22		100%	
Dialogue	5	5		100%	
Comprehension Passage	25	25		100%	
Translation	All Tenses mentioned in Grammar and Composition book	All Solved Tenses Exercise		100%	
Active & Passive Voice	All Tenses mentioned in Grammar and Composition book	All Solved Tenses Exercise		100%	

Chapter	Exercise	Included syllabus	Excluded Syllabus	Included Syllabus %	Excluded Syllabus %
Unit 1 The Saviour of Mankind	<b>Classwork:</b> Glossary, Comprehension (Exercise: B, Qs: 1-4), Grammar (B&C), Writing Skills (A), <b>Home work:</b> Reading for Comprehension (B Q/A's: 5 -8), Vocabulary (A&D), Grammar (A&D)	Complete Chapter with all exercise questions	None	100%	0%
Unit 2 Patriotism	<b>Class work:</b> Glossary, Comprehension (Exercise: A Qs:1-5), Vocabulary (A&C) Grammar (A&B) Writing Skills (B) <b>Home work:</b> Vocabulary (B) , Grammar (C), Writing skills (A	Complete Chapter with all exercise questions	None	100%	0%
Unit 3 Daffodils	<b>Class work:</b> Glossary, Comprehension (Exercise: A Qs :1 - 5), Vocabulary (Exercise: B, C), Grammar (C,D,E,F &G), Writing Skills (B) <b>Home work:</b> Vocabulary (A), Grammar (A&B)	Complete Chapter with all exercise questions	None	100%	0%
Unit 4 Hazrat Asma (R.A)	<b>Class work:</b> Glossary, Comprehension (A,B,C) Vocabulary (B) Grammar (A,B,D & E), Writing Skills (A) <b>Home work:</b> Comprehension (Exercise: D), Vocabulary (A), Grammar (C,F &G)	Complete Chapter with all exercise questions	None	100%	0%
	<b>Review-I</b>				
Unit 5 Women Empowerment through Entrepreneurship	<b>Note: This chapter with complete Exercise has been excluded</b>				
Unit 6 The Value of Time	<b>Class work:</b> Glossary, Comprehension (Exercise: A Qs:1 -5), Vocabulary (Exercise: A, D &E), Grammar, Writing Skills (B, C, D, E &F), Writing Skills (B) <b>Home work:</b> Vocabulary (Exercise: B &C), Grammar (A)	Complete Chapter with all exercise questions	None	100%	0%

Chapter	Exercise	Included syllabus	Excluded Syllabus	Included Syllabus %	Excluded Syllabus %
Unit 7 If(Poem)	<b>Class work:</b> Glossary, Comprehension (Exercise: A Qs :1 - 5), Vocabulary (Exercise: B, C), Grammar (C,D,E,F &G), Writing Skills (B) <b>Home work:</b> Vocabulary (A), Grammar (A&B)	Complete Chapter with all exercise questions	None	100%	0%
Unit 8 The Impact of Globalisation on Culture and Economy	<b>Note: This chapter with complete exercise has been excluded.</b>				
Unit 9 Quality Education: A Key to Success	<b>Class work:</b> Glossary, Comprehension (Exercise: A Qs:1 -5), Vocabulary (Exercise: A, D &E), Grammar, Writing Skills (B, C,D, E &F), Writing Skills (B) <b>Home work:</b> Vocabulary (Exercise: B &C), Grammar (A)	Complete Chapter with all exercise questions	None	100%	0%
Unit 10 The Silent Predator and the Majestic Prey — Snow Leopard and Markhor	<b>Note: This chapter with complete exercise has been excluded.</b>				
Unit 11 The Dear Departed (one-act play)	<b>Class work:</b> Glossary, Comprehension (Exercise: A Qs:1 -5), Vocabulary (Exercise: A, D &E), Grammar, Writing Skills (B, C,D, E &F), Writing Skills (B) <b>Home work:</b> Vocabulary (Exercise: B &C), Grammar (A)	Complete Chapter with all exercise questions	None	100%	0%
	<b>Review -II</b>				

Grammar & Composition					
Topic	No. Topics	Included syllabus	Excluded Syllabus	Included Syllabus %	Excluded Syllabus %
<b>Letters</b>	1 to 16	<b>Letter Writing</b> i. To your mother who is worried about your health ii. To your father asking him about the health of your mother iii. To your sister congratulating her on her success in the exams iv. To your mother about the test you have just taken v. To your father requesting him to send you some extra funds for the payment of hostel dues vi. To your brother about the importance of the study of science subjects vii. To your friend congratulating her on her birthday viii. To your friend requesting her to spend her spring holidays with you ix. To your friend congratulating him on the marriage of his sister x. To your friend requesting him to lend you some books xi. To your friend thanking her for the hospitality during your visit to her house xii. To your friend condoling the death of his mother xiii. To your brother advising him to take steps to improve his health xiv. To your sister thanking her for a gift xv. To your friend thanking him for the books he lent to you xvi. To a bookseller requesting him to send you some books per V.P.P. <b>Formal Invitations/Replies</b>	None	None	None
		i. A Farmer and His Sons ii. The kindness of Rasoolullah iii. Robbers Turn into Good Citizens iv. The Muslim Brotherhood v. A Foolish Stag vi. The Donkey Trapped in His Own Trick vii. A Friend in Need is a Friend Indeed viii. A Faithful Friend ix. A Big Reward x. The Tailor and the Elephant xi. The Boy Who Cried “Wolf” xii. The Jester and the King			
<b>Story writing</b>	1 to 13 + Outline 1 to 10		None	None	None

Topic	No. Topics	Included syllabus	Excluded Syllabus	Included Syllabus %	Excluded Syllabus %
Dialogue Writing	1 to 5	i. between a teacher and a student ii. between two students regarding Salat iii. asking one's way iv. between a brother and a sister concerning time v. between a tailor and a customer	None	None	None
Comprehension Passage		All the comprehension Passages are included (9 <sup>th</sup> PCTB Book)	None	None	None
Active & Passive Voice		All active and passive voice are included (9 <sup>th</sup> PCTB Book)	None	None	None



# Class: 9      Subject: Islamiyat

جو شامل نصاب نہیں (Excluded Syllabus)	شامل نصاب (Included Syllabus)	کل نصاب (100%) (Total Syllabus)
احادیثِ مبارکہ نمبر 3، 6، 7، 12 اور 14	<p>باب اول: قرآن مجید وحید نبوی ﷺ</p> <p>(الف) قرآن مجید کی تدوین اور اس کی حفاظت</p> <p>(ب) حفاظت و تدوین حدیث (دور اول)</p> <p>(ج) احادیث نبویہ ﷺ (1، 2، 4، 5، 8، 9، 10، 11، 13، 15، 20)</p>	<p>باب اول: قرآن مجید وحید نبوی ﷺ</p> <p>(الف) قرآن مجید کی تدوین اور اس کی حفاظت</p> <p>(ب) حفاظت و تدوین حدیث (دور اول)</p> <p>(ج) احادیث نبویہ ﷺ (1، 20)</p>
Nil	<p>باب دوم: ایمانیات و عبادات</p> <p>(الف) ایمانیات:</p> <p>1- عقیدہ توحید      2- عقیدہ رسالت</p> <p>3- ملائکہ (فرشتے)      4- کتب سماویہ (آسمانی کتابیں)      5- عقیدہ آخرت</p> <p>(ب) عبادات: (مکمل)</p> <p>1- نماز      2- روزہ      3- زکوٰۃ      4- حج اور قربانی</p>	<p>باب دوم: ایمانیات و عبادات</p> <p>(الف) ایمانیات:</p> <p>1- عقیدہ توحید      2- عقیدہ رسالت</p> <p>3- ملائکہ (فرشتے)      4- کتب سماویہ (آسمانی کتابیں)      5- عقیدہ آخرت</p> <p>(ب) عبادات: (مکمل)</p> <p>1- نماز      2- روزہ      3- زکوٰۃ      4- حج اور قربانی</p>
Nil	<p>باب سوم: سیرت نبوی ﷺ</p> <p>(الف) عہد نبوی ﷺ کے ماہ و سال (مدنی دور):</p> <p>1- فتح مکہ      2- غزوہ خنین      3- عام الوفود (9 ہجری)</p> <p>4- غزوہ تبوک      5- حجۃ الوداع      6- وصال نبوی ﷺ</p> <p>(ب) اُسوۂ رسول ﷺ اور ہماری زندگی:</p> <p>1- حضرت محمد مصطفیٰ ﷺ کا بچپن اور جوانی</p> <p>2- حضرت محمد مصطفیٰ ﷺ کا ذوقِ عبادت</p> <p>3- حضرت محمد مصطفیٰ ﷺ کی سخاوت و ایثار</p> <p>4- صلہ رحمی      5- خواتین کے ساتھ حسن سلوک</p> <p>6- اندازِ تربیت (مکمل)</p>	<p>باب سوم: سیرت نبوی ﷺ</p> <p>(الف) عہد نبوی ﷺ کے ماہ و سال (مدنی دور):</p> <p>1- فتح مکہ      2- غزوہ خنین      3- عام الوفود (9 ہجری)</p> <p>4- غزوہ تبوک      5- حجۃ الوداع      6- وصال نبوی ﷺ</p> <p>(ب) اُسوۂ رسول ﷺ اور ہماری زندگی:</p> <p>1- حضرت محمد مصطفیٰ ﷺ کا بچپن اور جوانی</p> <p>2- حضرت محمد مصطفیٰ ﷺ کا ذوقِ عبادت</p> <p>3- حضرت محمد مصطفیٰ ﷺ کی سخاوت و ایثار</p> <p>4- صلہ رحمی      5- خواتین کے ساتھ حسن سلوک</p> <p>6- اندازِ تربیت (مکمل)</p>

کل نصاب (100%) (Total Syllabus)	شامل نصاب (Included Syllabus)	جو شامل نصاب نہیں (Excluded Syllabus)
<b>باب چہارم: اخلاق و آداب</b> 1- شکر و قناعت      2- امانت و دیانت      3- اخلاص و تقویٰ      4- پردہ پوشی <b>بری عادات سے اجتناب</b> 1- تکبر      2- حسد      3- جھوٹ 4- غیبت اور بہتان      5- جاؤ و فال اور توہم پرستی	<b>باب چہارم: اخلاق و آداب</b> 1- شکر و قناعت      2- امانت و دیانت <b>بری عادات سے اجتناب</b> 1- تکبر      2- حسد	اخلاص و تقویٰ، پردہ پوشی، جھوٹ، غیبت و بہتان، جادو، فال اور توہم پرستی
<b>باب پنجم: حسن معاملات و معاشرت</b> 1- "قسم" کے احکام و مسائل      2- گواہی کے احکام و مسائل 3- حقوق العباد (ہمسایوں کے حقوق)      4- سود کی حرمت 5- اسلامی ریاست      6- جہاد فی سبیل اللہ	<b>باب پنجم: حسن معاملات و معاشرت</b> 2- گواہی کے احکام و مسائل      3- حقوق العباد (ہمسایوں کے حقوق) 4- سود کی حرمت      6- جہاد فی سبیل اللہ	"قسم" کے احکام و مسائل، اسلامی ریاست
<b>باب ششم: ہدایت کے سرچشمے اور مشاہیر اسلام</b> <b>اہل بیت اطہار رضی اللہ تعالیٰ عنہم</b> 1- حضرت امام زین العابدین رحمۃ اللہ علیہ 2- حضرت امام زید بن علی رحمۃ اللہ علیہ <b>صحابہ کرام رضی اللہ تعالیٰ عنہم</b> 1- حضرت ابو موسیٰ اشعری رضی اللہ تعالیٰ عنہ 2- حضرت عمر بن العاص رضی اللہ تعالیٰ عنہ 3- حضرت عمرو بن امیہ رضی اللہ تعالیٰ عنہ 4- حضرت عمر بن العاص رضی اللہ تعالیٰ عنہ 5- حضرت جابر بن عبد اللہ رضی اللہ تعالیٰ عنہ 6- حضرت انس بن مالک رضی اللہ تعالیٰ عنہ <b>صحابیات رضی اللہ تعالیٰ عنہن</b> (حضرت ام ایمن، حضرت ام عمارہ، حضرت اسماء بنت ابی بکر رضی اللہ تعالیٰ عنہن) <b>صوفیہ کرام رحمۃ اللہ علیہم</b> (حضرت خواجہ نظام الدین اولیا، حضرت عبد اللطیف کاظمی، امام بڑی، حضرت لعل شہباز قلندر رحمۃ اللہ علیہم) <b>علامہ مفکرین رحمۃ اللہ علیہم</b> (علامہ ابن خلدون، شیخ ابن عربی شاہ عبد العزیز محدث دہلوی رحمۃ اللہ علیہم)	<b>باب ششم: ہدایت کے سرچشمے اور مشاہیر اسلام</b> <b>اہل بیت اطہار رضی اللہ تعالیٰ عنہم</b> 1- حضرت امام زین العابدین رحمۃ اللہ علیہ 2- حضرت امام زید بن علی رحمۃ اللہ علیہ <b>صحابہ کرام رضی اللہ تعالیٰ عنہم</b> 1- حضرت ابو موسیٰ اشعری رضی اللہ تعالیٰ عنہ 2- حضرت عمر بن العاص رضی اللہ تعالیٰ عنہ 3- حضرت عمرو بن امیہ رضی اللہ تعالیٰ عنہ 4- حضرت عمر بن العاص رضی اللہ تعالیٰ عنہ 5- حضرت جابر بن عبد اللہ رضی اللہ تعالیٰ عنہ 6- حضرت انس بن مالک رضی اللہ تعالیٰ عنہ <b>صحابیات رضی اللہ تعالیٰ عنہن</b> (حضرت ام ایمن، حضرت ام عمارہ، حضرت اسماء بنت ابی بکر رضی اللہ تعالیٰ عنہن) <b>صوفیہ کرام رحمۃ اللہ علیہم</b> (حضرت خواجہ نظام الدین اولیا، حضرت عبد اللطیف کاظمی، امام بڑی، حضرت لعل شہباز قلندر رحمۃ اللہ علیہم) <b>علامہ مفکرین رحمۃ اللہ علیہم</b> (علامہ ابن خلدون، شیخ ابن عربی شاہ عبد العزیز محدث دہلوی رحمۃ اللہ علیہم)	<b>صحابہ کرام رضی اللہ تعالیٰ عنہم</b> (حضرت عمر بن امیہ، حضرت عبد اللہ بن عمر بن العاص، حضرت جابر بن عبد اللہ رضی اللہ تعالیٰ عنہم) <b>صحابیات رضی اللہ تعالیٰ عنہن</b> (حضرت شفا، حضرت ام سلیم، حضرت ام عطیہ رضی اللہ تعالیٰ عنہن) <b>صوفیہ کرام رحمۃ اللہ علیہم</b> (حضرت ابو القاسم قشیری، شیخ فرید الدین عطار، حضرت مولانا عبد الرحمن جامی رحمۃ اللہ علیہم) <b>علامہ مفکرین رحمۃ اللہ علیہم</b> (امام شاطبی، امام جلال الدین سیوطی، ابن رشد رحمۃ اللہ علیہم)
<b>باب ہفتم: اسلامی تعلیمات اور عصر حاضر کے تقاضے</b> 1- خود اعتمادی و خود انحصاری 2- جسمانی و ذہنی صحت اور جسمانی ریاضت 3- اسلام میں مستقبل کی منصوبہ بندی کی اہمیت 4- اسلامی تہذیب کے امتیازات	Nil	<b>باب ہفتم: اسلامی تعلیمات اور عصر حاضر کے تقاضے</b> 1- خود اعتمادی و خود انحصاری 2- جسمانی و ذہنی صحت اور جسمانی ریاضت 3- اسلام میں مستقبل کی منصوبہ بندی کی اہمیت 4- اسلامی تہذیب کے امتیازات

### Class: 9 Subject: Mathematics

Total Units	Total questions	Included questions	Excluded questions	Included %age	Excluded % age
(1-13)	634	391	243	61.7%	38.3%

#### Chapter wise syllabus reduction report of Math Book for grade 9<sup>th</sup>

Units:	Total questions	Included questions	Excluded questions	Included %age	Excluded % age
1	44	25	19	57%	43%
2	46	30	16	75%	25%
3	54	30	24	55.5%	44.5%
4	55	42	13	76%	24%
5	22	11	11	50%	50%
6	99	69	30	70%	30%
7	67	35	32	52%	48%
8	16	0	16	0%	100%
9	60	37	23	62%	38%
10	33	17	16	52%	48%
11	38	15	23	39%	61%
12	61	48	13	72%	28%
13	39	28	11	71%	29%
<b>Total</b>	<b>634</b>	<b>391</b>	<b>243</b>	<b>61.7%</b>	<b>38.3%</b>

#### Exercise wise syllabus reduction report of Math Book for grade 9<sup>th</sup>:

Units	Total	Included Questions	Excluded Questions+ Topics	Included syllabus %	Excluded syllabus %
<b>Unit:1</b>		Remaining	1.1 Introduction to Real Numbers; Page # 1 to 3. 1.3 Application of Real Numbers in Daily Life; Page # 14 to 15. 1.3.1 Temperature Conversion, Page # 15 to 16. 1.3.2 Profit and Loss, Page # 16 to 18.		
Examples	(1-14)	(1,2,3,4,5,6,7,8,9)	(10,11,12,13,14)	64%	36%
Ex.1.1	Qs (1 -6)	Qs (1 -6)	Nil	100%	0%
Ex.1.2	Qs (1-5)	Qs (1-5)	Nil	100%	0%
Ex.1.3	Qs (1-9)	Nil	Qs (1-9) Complete	0%	100%
Rev. Ex.	Qs.(1-10)	Qs. 1,2,4,5,6,7	Qs. 3,8,9,10	60%	40%
Q.1 MCQ	(1-10)	(1-10)	Nil	100%	0%
<b>Total</b>	<b>44</b>	<b>26</b>	<b>18</b>	<b>59%</b>	<b>41%</b>
<b>Unit:2</b>		Remaining	2.4 Laws of Logarithm, Page # 30 to 34.		
Examples	(1-15)	(1,2,3,4,5,6,7,8,9,10,11)	(12,13,14,15)	73%	27%
Ex.2.1	Qs (1 -6)	Qs (1 -6)	Nil	100%	0%

Ex.2.2	Qs (1 -3)	Qs (1 -3)	Nil	100%	0%
Ex.2.3	Qs (1 -4)	Qs (1 -4)	Nil	100%	0%
Ex.2.4	Qs (1 -8)	Nil	Qs (1 -8) Complete	0%	100%
Rev. Ex.2	Qs.(1-10)	Qs (1 -6)	Qs (7,8,9,10)	60%	40%
Q.1 MCQ	MCQ (1-10)	MCQ (1,2,3,5,6,7,8)	MCQ (4,9,10)	70%	30%
<b>Total</b>	<b>46</b>	<b>30</b>	<b>16</b>	<b>75%</b>	<b>25%</b>
<b>Unit :3</b>		Remaining	<p>Introduction; Page # 37.</p> <p>3.1 Mathematics as the Study of Patterns, Structures and Relationships; Page # 37-39 (before the basic definition of Set).</p> <p>Page # 54 to 55.</p> <p>3.3 Binary Relations, Example # 7,8; Page # 55-56.</p> <p>3.3.1 Relation as Table, Ordered Pair and Graphs; Page # 56-57.</p> <p>3.3.2 Functions and its Domain and Range, Page # 57-59.</p> <p>3.3.3 Notation of Function; Page # 59.</p> <p>3.3.4 Linear and Quadratic Functions, Page # 59-60.</p>		
Examples	(1-11)	(1,2,3,4,6)	(5,7,8, 9,10,11)	45%	55%
Ex.3.1	Qs (1 -7)	Qs (1 -7)	Nil	100%	0%
Ex.3.2	Qs.(1-13)	Qs(1,2,3,4,5,6,7,8,10)	Qs(9,11,12,13)	69%	31%
Ex.3.3	Qs (1 -7)	Nil	Qs (1 -7) Complete	0%	100%
Rev. Ex.3	Qs (1 -16)	Qs (1,2,3,4,5,6,7,8,9)	Qs(10,11,12,13,14,15,16)	56%	44%
Q.1 MCQ	MCQ (1-10)	MCQ (1-6)	MCQ (7,8,9,10)	60%	40%
<b>Total</b>	<b>54</b>	<b>30</b>	<b>24</b>	<b>59%</b>	<b>41%</b>
<b>Unit:4</b>		Remaining	<p>4.4 Square Root of an Algebraic Expression, Page # 77 to 78.</p> <p>4.4.1 Real World Problems of Factorization, Page # 78 to 79.</p>		
Examples	(1-30)	(1-25)	(26-30)	83%	17%
Ex.4.1	Qs (1 -4)	Qs (1 -4)	Nil	100%	0%
Ex.4.2	Qs (1 -4)	Qs (1 -4)	Nil	100%	0%
Ex.4.3	Qs (1 -6)	Qs (1 -6)	Nil	100%	0%
Ex.4.4	Qs (1 -6)	Nil	Qs (1 -6) Complete	0%	100%
Rev. Ex.4	Qs (1 -5)	Qs (1,2,3)	Qs (4,5)	60%	40%
Q.1 MCQ	MCQ (1-10)	MCQ (1,2,3,4,5,7,8,9,10)	MCQ (6)	90%	10%
<b>Total</b>	<b>55</b>	<b>42</b>	<b>13</b>	<b>76%</b>	<b>24%</b>
<b>Unit:5</b>		Remaining	<p>5.3 Feasible Solution, Page # 91-92.</p> <p>5.3.2 Maximum and Minimum Values of a Function in the Feasible Solution, Page # 93-94.</p>		
Examples	(1-7)	(1,2,3,4,5)	(6,7)	71%	29%
Ex.5.1	Qs (1 -4)	Qs (1 -4)	Nil	100%	0%
Ex.5.2	Qs (1 -6)	Nil	Qs (1 -6) Complete	0%	100%
Rev. Ex.5	Qs (1 -5)	Qs (1,2)	Qs (3,4,5)	40%	60%
Q.1 MCQ	MCQ (1-10)	MCQ (1,2,3,4,5,6,8)	MCQ (7,9,10)	70%	30%
<b>Total</b>	<b>22</b>	<b>11</b>	<b>11</b>	<b>50%</b>	<b>50%</b>

<b>Unit:6</b>		Remaining	6.6 The angle of Elevation and the angle of depression, Page # 118 to 119.		
Examples	(1-20)	1,2,3,...,9, 10,11,13,14,15,16,17,18	(12,19,20)	75%	25%
Ex.6.1	Qs (1 -9)	Qs (1 - 9)	Nil	100%	0%
Ex.6.2	Qs (1 - 5)	Qs (1 -5)	Nil	100%	0%
Ex.6.3	Qs (1 - 12)	Qs (1 -9)	Qs (10,11,12)	75%	25%
Ex.6.4	Qs 1(i-xii) ,Q2(i-viii),Q3(I,ii,ii i))	Qs 1(i-xii) ,Q2(i-vi), Q3(I,ii))	Qs: Q2(vii,viii),Q3(iii))	87%	13%
Ex.6.5	Qs (1 -9)	Qs (1,2,3,4,7,8)	Qs (5,6,9)	67%	33%
Ex.6.6	Qs (1 -10)	Nil	Qs (1 -10) Complete	0%	100%
Rev. Ex.6	Qs (1 -6). Q3(i-vi)	Q.1,2,3(i,ii), 4	Q3(iii,iv,v,vi),5,6	45%	55%
Q.1 MCQ	MCQ (1-10)	MCQ (1,2,4-10)	MCQ (3)	90%	10%
<b>Total</b>	<b>99</b>	<b>69</b>	<b>30</b>	<b>70%</b>	<b>30%</b>
<b>Unit:7</b>		Remaining	7.3 Applications of Coordinate Geometry in Real Life Situations, Page # 141 to 144.		
Examples	(1-20)	(1,2,3,---,13)	(14,15,16,17,18,19,20)	65%	35%
Ex.7.1	Qs (1 -10)	Qs (1,2,3,4,5,7,8)	Qs (6,9,10)	70%	30%
Ex.7.2	Qs (1 -13)	Qs:1,2(i,ii),3,4,5,6,7,8,9,10,11	Qs 2(iii,iv), 12 13	75%	25%
Ex.7.3	Qs (1 -11)	Nil	Qs (1 -11) Complete	0%	100%
Rev. Ex.7	Qs (1 -10)	Qs. (1,2,3)	Qs (4,5,6,7,8,9,10)	30%	70%
Q.1 MCQ	MCQ (1-10)	MCQ (1-10)	Nil	100%	0%
<b>Total</b>	<b>67</b>	<b>35</b>	<b>32</b>	<b>52%</b>	<b>48%</b>
<b>Unit:8</b>		Remaining			
Ex.8	(1-16)	Nil	Complete	0%	100%
<b>Total</b>	<b>16</b>	<b>0</b>	<b>16</b>	<b>0%</b>	<b>100%</b>
<b>Unit:9</b>		Remaining	9.4 Geometrical properties of polygon and their applications; Page # 177. 9.4.1 Geometrical properties of Regular polygon; Page # 177-178. 9.4.2 Geometrical properties of Triangle; Page # 178. 9.4.3 Geometrical properties of Parallelogram, Page # 178. 9.4.4 Applications of polygon, Page # 179 to 181.		
Examples	(1-18)	(1,2,3,---,13)	(14,15,16,17,18)	72%	28%
Ex.9.1	Qs (1 -9)	Qs.(1,2,3,4,5,6,7)	Qs.(8,9)	78%	22%
Ex.9.2	Qs (1 -8)	Qs.(1,2,3,4,6,7)	Qs (5,8)	75%	25%
Ex.9.3	Qs (1 -6)	Qs (1 -6)	Nil	100%	0%
Ex.9.4	Qs (1 -10)	Nil	Qs (1 -10) Complete	0%	100%
Rev. Ex.9	Qs (1 -9)	Qs(1,3,5,6)	Qs. (2,4,7,8,9)	44%	56%
Q.1 MCQ	MCQ (1-10)	MCQ (1,2,3,5)	MCQ (4,6,7,8,9,10)	40%	60%

**Note: MCQ number iv of review exercise is related to example number 13.**

<b>Total</b>	<b>60</b>	<b>36</b>	<b>24</b>	<b>60%</b>	<b>40%</b>
<b>Unit: 10</b>		Remaining	10.2 Exponential Growth/ Decay of a Practical Phenomenon through its Graph, Page # 193-194. 10.2.1 Gradients of Curves by Drawing Tangents, Page # 194. 10.2.2 Application of Graph in Real Life, Page # 195 to 196.		
Examples	(1-15)	(1,2,3---,11)	(12,13,14,15)	73%	27%
Ex.10.1	Qs (1 -3)	Qs (1 -3)	Nil	100%	0%
Ex.10.2	Qs (1 -8)	Nil	Qs (1 -8) Complete	0%	100%
Rev. Ex.10	Qs (1 -7)	Qs (1,2,4)	Qs (3,5,6,7)	43%	57%
Q.1 MCQ	MCQ (1-10)	MCQ (1-10)	Nil	100%	0%
<b>Total</b>	<b>33</b>	<b>17</b>	<b>16</b>	<b>52%</b>	<b>48%</b>
<b>Unit: 11</b>		Remaining	11.5.2 Intersection of Loci, Page # 209 to 211. 11.6 Real Life Application of Loci; Page # 211.		
Examples	(1-12)	(1,2,3,---,9)	(10,11,12)	75%	25%
Ex.11.1	Qs (1 -5)	Qs (1 -5)	Nil	100%	0%
Ex.11.2	Qs (1 -13)	Nil	Qs (1 -13) Complete	0%	100%
Rev. Ex.11	Qs (1 -8)	Q.1	Qs.(2,3,4---,8)	13%	87%
Q.1 MCQ	MCQ (1-10)	MCQs.(1,2,3,4,5,6,7,8,9)	MCQs.(10)	90%	10%
<b>Total</b>	<b>38</b>	<b>15</b>	<b>23</b>	<b>39%</b>	<b>61%</b>
<b>Unit: 12</b>		Remaining	12.2.4 Weighted Mean, Page # 234 to 235.		
Examples	(1-21)	(1,2,3,---,18,21)	(19,20)	90%	10%
Ex.12.1	Qs (1 -8)	Qs (1 -7)	Q.8		
Ex.12.2	Qs (1 -20)	Qs.(1,2,3,---11(i),12)	Qs (11(ii), 13,14,15,16,17,18,19,20)	60%	40%
Rev. Ex.12	Qs (1 -12)	Qs.(1,2,3,4,5,6,8,9,10,11)	(7, 12)	83%	70%
Q.1 MCQ	MCQ (1-10)	MCQ (1-10)	Nil	100%	0%
<b>Total</b>	<b>61</b>	<b>48</b>	<b>13</b>	<b>78%</b>	<b>22%</b>
<b>Unit: 13</b>		Remaining	13.6 Expected Frequency, Page # 255. 13.7 Real Life Application on Expected Frequency, Page # 255 to 256.		
Examples	(1-13)	(1,2,3,---,10)	(11,12,13)	85%	15%
Ex.13.1	Qs (1 -11)	Qs (1,2,3,--,11)	Nil	100%	0%
Ex.13.2	Qs (1 -8)	Qs.(1,2,3,4)	Qs (5,6,7,8)	50%	50%
Rev. Ex.13	Qs (1 -7)	Q. 1,2	(3,4,5,6,7)	29%	71%
Q.1 MCQ	MCQ (1-10)	MCQ (1,2,3,4,6,7,8,9,10)	MCQs. (5)	90%	10%
<b>Total</b>	<b>39</b>	<b>27</b>	<b>12</b>	<b>69%</b>	<b>31%</b>

## Class: 9 Subject: Physics

### Overall Percentage of the Smart Syllabus (ALP)

Class 9<sup>th</sup> Included Percentage=75%

Chapters	Included Syllabus	Excluded Syllabus	Included Syllabus %	Excluded Syllabus %
<b>1. Physical Quantities and Measurements</b>	1.1 Physical and non Physical Quantities (Pg#6-7) 1.2 Base and derived Physical Quantities (Pg#7-8) 1.3 International system of units (Pg#8-10) 1.4 Scientific notation (Pg#10-11) 1.5 Length measuring instrument (Pg#11-16) 1.8 Volume measuring instrument (Pg#17-18) 1.11 Significant figures (Pg#20-21) 1.13 Rounding off the digit (Pg#22-23) MC.Q. (Pg#24) 1.1,1.2,1.4,1.5,1.7,1.9,1.10, Short Answer Questions (Pg#25) 1.1,1.2,1.3,1.4,1.6,1.7 Constructed Response Question (Pg#25-26) 1.3, 1.5, 1.6,1.7,1.9 Comprehensive Question (Pg#26) 1.1,1.2 Numerical Problems (Pg#27) 1.1,1.3,1.4,1.6,1.8,1.10	1.6 Mass measuring instruments (Pg#16) 1.7 Time measuring instruments (Pg#17) 1.9 Errors in measurements (Pg#18-19) 1.10 Uncertainty in a measurement (Pg#20) 1.12 Precision and Accuracy (Pg#21-22) MCQs: 1.3, 1.6, 1.8, 1.11 (Pg#24) Short answer questions: 1.5, 1.8, 1.9, 1.10, 1.11 (Pg#25) CRQs: 1.1, 1.2, 1.4, 1.8, 1.10 (Pg#25-26) Comprehensive Questions: 1.3, 1.4, 1.5 (Pg#26) Numerical Problems: 1.2, 1.5, 1.7, 1.9 (Pg#27)	<b>55%</b>	<b>45%</b>
<b>2. Kinematics</b>	2.1 scalars and vectors (Pg#29-32) 2.2 rest and motion (Pg#32) 2.4 distance and displacement (Pg#34) 2.5 speed and velocity (Pg#34-36) 2.6 acceleration (Pg#36-37) 2.7 graphical analysis of motion (Pg#38-40) 2.9 speed and time graph (Pg#41-42) 2.11 area under speed time graph (Pg#43-44) 2.12 Solving problems for motion under gravity (Pg#44-45) 2.13 Free fall acceleration (Pg#45-47) M.C.Q (Pg#48-49) 2.1, 2.2, 2.3, 2.4, 2.7 Short Answer Questions (Pg#49) 2.1, 2.2, 2.3, 2.4, 2.5 Constructed Response Questions (Pg#49-50) 2.2, 2.6 Comprehensive Question (Pg#50) 2.1, 2.2, 2.4, 2.6 Numerical Problems (Pg#51) 2.1, 2.2, 2.3, 2.4, 2.6, 2.7, 2.9	2.3: Types of Motion (Pg#33) 2.8: Gradient of a distance time graph (Pg#41) 2.10: Gradient of a speed time graph (Pg#43) MCQs: 2.5, 2.6, 2.8, 2.9, 2.10 (Pg#48-49) Short answer questions: 2.6, 2.7, 2.8 (Pg#49) CRQs:2.1, 2.3, 2.4, 2.5 (Pg#49-50) Comprehensive Questions: 2.3, 2.5, 2.7 (Pg#50) Numerical Problems: 2.5, 2.8, 2.10 (Pg#51)	<b>70%</b>	<b>30%</b>



Chapters	Included Syllabus	Excluded Syllabus	Included Syllabus %	Excluded Syllabus %
<b>3. Dynamics</b>	3.1 concept of force (Pg#53-55) 3.4 Newton Laws of motion (Pg#57-61) 3.6 Mass and weight (Pg#62-63) 3.8 Friction (Pg#66-69) 3.9 Momentum and impulse (Pg#69-72) 3.10 Principle of conservation of momentum (Pg#72-74) M.C.Q (Pg#76) 3.1, 3.2, 3.3, 3.5, 3.6, 3.9 Short Answer Questions (Pg#77) 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.9 Constructed Response Questions (Pg#77) 3.1, 3.2, 3.4, 3.5, 3.6 Comprehensive Question (Pg#78) 3.1, 3.2, 3.3, 3.4, 3.5 Numerical Problems (Pg#78-79) 3.1, 3.2, 3.3, 3.4, 3.7	3.2: Fundamental forces (Pg#55-56) 3.3: Forces in a free body diagram (Pg#57) 3.5: Limitation of Newton's laws of motion (Pg#61) 3.7: Mechanical and electronic Balances (Pg#64-65) MCQs: 3.4, 3.7, 3.8 (Pg#76) Short answer questions: 3.7, 3.8, 3.10 (Pg#77) CRQs: 3.3, (Pg#77) Comprehensive Questions: 3.6 (Pg#78) Numerical Problems: 3.5, 3.6, 3.8, 3.9 (Pg#78-79)	<b>50%</b>	<b>50%</b>
<b>4. Turning Effects of Force</b>	4.1 like and unlike parallel forces (Pg#81) 4.2 Addition of forces (Pg#81) 4.3 turning effect of a force (Pg#82-84) 4.4 resolution of vectors (Pg#84-86) 4.5 determination of force from its perpendicular components (Pg#86-87) 4.6 principle of moments (Pg#87-88) 4.8 equilibrium (Pg#90-91) 4.9 conditions of equilibrium (Pg#91-94) 4.10 states of equilibrium (Pg#94-95) 4.13 Centripetal force (Pg#98-100) M.C.Q (Pg#101-102) 4.1, 4.2, 4.3, 4.7, 4.9, 4.10 Short Question answer (Pg#102) 4.1, 4.2, 4.3, 4.4, 4.7 Constructed response questions (Pg#102-103) 4.1,4.2,4.4 Comprehensive Questions (Pg#103) 4.1,4.3 Numerical Problems (Pg#103-104) 4.1,4.3,4.4,4.7,4.8	4.7: Centre of gravity and centre of mass (Pg#88-90) 4.11: Improvement of stability (Pg#95) 4.12: Application of stability in real life (Pg#96) Rotational motion versus translational motion (Pg#97) MCQs: 4.4, 4.5, 4.6, 4.8 (Pg#101-102) Short answer questions: 4.5, 4.6, 4.8, 4.9, 4.10 (Pg#102) CRQs: 4.3, 4.5 (Pg#102-103) Comprehensive Questions: 4.2,4.4 (Pg#103) Numerical Problems: 4.2, 4.5, 4.6, 4.9, 4.10 (Pg#103-104)	<b>54%</b>	<b>46%</b>

**Note: Motion in a circle page # 97 is also included.**



Chapters	Included Syllabus	Excluded Syllabus	Included Syllabus %	Excluded Syllabus %
<b>5. Work, Energy and Power</b>	5.1 work (Pg#106-108) 5.2 energy (Pg#109-112) 5.3 conservation of energy (Pg#112) 5.5 Renewable and non renewable energy (Pg#117-118) 5.7 power (Pg#119-120) 5.8 efficiency (Pg#121-122) M.C.Q (Pg#123) 5.1,5.3,5.5,5.6,5.8,5.9 Short Answer questions (Pg#124) 5.1,5.2,5.4,5.5,5.7,5.8,5.9 Constructed Response Questions (Pg#124-125) 5.1,5.3,5.4,5.6,5.7 Comprehensive Question (Pg#125) 5.1,5.2,5.4 Numerical Problems (Pg#125-126) 5.1,5.3,5.4,5.6,5.10,5.11	5.4: Sources of energy (Pg#113-117) 5.6: The advantages and disadvantages of methods of energy production (Pg#118) MCQs: 5.2, 5.4, 5.7 (Pg#123) Short answer questions: 5.3, 5.6, 5.10 (Pg#124) CRQs: 5.2, 5.5, 5.8, 5.9 (Pg#124-125) Comprehensive Questions: 5.3, 5.5 (Pg#125) Numerical Problems: 5.2, 5.5, 5.7,5.8, 5.9, 5.12, 5.13 (Pg#125-126)	<b>50%</b>	<b>50%</b>
<b>6. Mechanical Properties of Matter</b>	6.1 deformation of solids (Pg#128) 6.2 Hooke's law except application (Pg#128-129) 6.3 density (Pg#130-132) 6.4 pressure (Pg#132-133) 6.5 pressure in liquids (Pg#133-135) 6.6 atmospheric pressure (Pg#135-136) 6.9 Pascal's Law (Pg#139-142) M.C.Qs (Pg#143) 6.1,6.3,6.6,6.7,6.8 Short Answer Questions (Pg#144) 6.1,6.3,6.4,6.5,6.7,6.8,6.10 Constructed response questions (Pg#145) 6.2,6.5 Comprehensive Question (Pg#145) 6.1,6.3,6.4 Numerical Problems (Pg#146-147) 6.1,6.2,6.4,6.5,6.6,6.7,6.9	6.7: Measurement of atmospheric pressure (Pg#137-138) 6.8: Measurement of pressure by manometer (Pg#138) Activities 6.1 and 6.6: (Pg#129,142) MCQs: 6.2, 6.4, 6.5 (Pg#143) Short answer questions: 6.2, 6.6, 6.9 (Pg#144) CRQs: 6.1, 6.3, 6.4, 6.6, 6.7, 6.8, 6.9, 6.10 (Pg#144-145) Comprehensive Questions: 6.1 Applications of Hooke's law (Pg#130) 6.2, 6.5 (Pg#145) Numerical Problems: 6.3, 6.8, 6.10, 6.11, 6.12 (Pg#146-147)	<b>55%</b>	<b>45%</b>

Chapters	Included Syllabus	Excluded Syllabus	Included Syllabus %	Excluded Syllabus %
<b>7. Thermal Properties of Matter</b>	7.2 temperature and heat (Pg#150-151) 7.3 Thermometer (Pg#151-155) M.C.Q (Pg#157-158) 7.3,7.4,7.5,7.6,7.8,7.9 Short Answers (Pg#159) 7.4,7.5,7.7,7.8,7.12,7.13 Constructed response Questions (Pg#159-160) 7.2,7.3,7.6,7.9,7.13 Comprehensive Question (Pg#160) 7.2,7.3 Numerical Problem (Pg#160) 7.1,7.2,7.3,7.4	7.1: Kinetic molecular theory of matter (Pg#149-150) 7.4: Sensitivity, range and linearity of thermometers (Pg#155-156) 7.5: Structure of a liquid in glass thermometer (Pg#156) MCQs: 7.1, 7.2, 7.7, 7.10, 7.11 (Pg#157-158) Short answer questions: (Pg#159) 7.1, 7.2, 7.3, 7.6, 7.9, 7.10, 7.11, 7.14, 7.15 CRQs: 7.1, 7.4, 7.5, 7.7, 7.8, 7.10, 7.11, 7.12 (Pg#159-160) Comprehensive Questions: 7.1, 7.4, 7.5 (Pg#160) Numerical Problems: 7.5, 7.6 (Pg#160)	<b>30%</b>	<b>70%</b>
<b>Note: Plasma page number 150 is included in syllabus</b>				
<b>8. Magnetism</b>	8.1 magnetic materials (Pg#162) 8.2 properties of magnets (Pg#163-164) 8.3 induced magnetism (Pg#164) 8.4 temporary and permanent magnet (Pg#165) 8.5 magnetic fields (Pg#166-167) 8.6 uses of permanent magnets (Pg#167-168) 8.7 electromagnets (Pg#168-171) 8.9 magnetization and demagnetization (Pg#173-175) M.C.Q (Pg#178) 8.1,8.2, 8.5 Short Answers (Pg#179) 8.1,8.2,8.3,8.4 Constructed response Questions (Pg#179-180) 8.1,8.2,8.4 Comprehensive Question (Pg#180) 8.1,8.2,8.3,8.4	<ul style="list-style-type: none"> <li>Applications of permanent magnets (Pg#168)</li> <li>Magnetic relay (Pg#170)</li> <li>Telephone receiver (Pg#171)</li> </ul> 8.8: Domain theory of magnetism (Pg#172) <ul style="list-style-type: none"> <li>Alignment of domains (Pg#173)</li> </ul> 8.10: Application of Magnets in recording technology (Pg#175-176) 8.11: Soft iron as magnetic shield (Pg#176-177) MCQs: 8.3, 8.4, 8.6, 8.7, 8.8 (Pg#178-179) Short answer questions: 8.5, 8.6, 8.7 (Pg#179) CRQs: 8.3, 8.5 (Pg#179-180) Comprehensive Questions: 8.5, 8.6 (Pg#180)	<b>50%</b>	<b>50%</b>
<b>9. Nature of Science</b>	9.1 Scope of physics (Pg#182-183) 9.2 Branches of physics (Pg#183-185) 9.3 interdisciplinary nature of physics (Pg#185-186) 9.5 scientific method (Pg#187-190) M.C.Q (Pg#191-192) 9.1,9.2,9.3,9.6,9.8,9.9,9.10 Short Answers (Pg#193) 9.1,9.2,9.4,9.5,9.6 Constructed response questions (Pg#193) 9.1,9.2,9.3,9.4,9.7 Comprehensive Question (Pg#193) 9.1,9.3,9.5	9.4: Interdisciplinary research (Pg#186-187) 9.6: Scientific base of technology and engineering (Pg#190-191) MCQs: 9.4, 9.5, 9.7, 9.11 (Pg#191-192) Short answer questions: 9.3, 9.7, 9.8 (Pg#193) CRQs: 9.5, 9.6, 9.8, 9.9, 9.10 (Pg#193) Comprehensive Questions: 9.2, 9.4 (Pg#193)	<b>50%</b>	<b>50%</b>

## Class: 9 Subject: Chemistry

Overall Percentage of the Smart Syllabus (ALP)

Chemistry Class 9<sup>th</sup> Included Percentage=65%

Chapters	Included Syllabus	Excluded Syllabus	Included Syllabus %	Exclude Syllabus %
<b>1. States of Matter and Phase Changes</b>	1.1 What is Chemistry? (Pg. 2-4) 1.3 Elements, Compound and Mixture (Pg. 6,7) 1.5 Differences between Elements, Compounds and Mixtures (Pg. 9) 1.6 Solution, Colloidal Solution and Suspension (Pg. 10) 1.7 Formation of Unsaturated and Saturated Solution (Pg. 11) <b>MCQs = ii, iii, v, vi, viii,</b> <b>S.Q = i, ii, vi, viii</b> <b>CRQ = iii</b> <b>Desc.Q = i, vi</b> <b>Inves.Q = i</b>	1.2 States of matter (Pg. 4-6) 1.4 Allotropic Forms of Substances (Pg. 8) 1.8 Effect of Temperature on Solubility of Solutes (Pg. 11-13)  <b>MCQs = i, iv, vii, ix, x</b> <b>S.Q = iii, iv, v, vii</b> <b>CRQ = i, ii, iv, v, vi, vii, viii</b> <b>Desc.Q = ii, iii, iv, v</b> <b>Inves.Q = ii</b>	56%	44%
<b>2. Atomic Structure</b>	Introduction (Pg. 18) 2.1 Atomic Structure (Pg. 19-22) 2.2 Atomic Number and Mass Number (Pg. 22-24) 2.4 Relative Atomic Mass (Pg. 26-28) <b>MCQs = i, ii, v, vi, viii, ix</b> <b>S.Q = i, ii, iii</b> <b>CRQ = i, ii, iii</b> <b>Desc.Q = No Question Included</b> <b>Inves.Q = ii</b>	2.3 Isotopes and their Masses, Radioactive Isotopes, Application of Radioactive Isotopes, Ionization of Atoms by Radioactive Source (Pg. 24-26) <b>MCQs = iii, iv, vii, x</b> <b>S.Q = iv, v</b> <b>CRQ = iv, v</b> <b>Desc.Q = i, ii, iii, iv</b> <b>Inves.Q = i</b>	80%	20%
<b>3. Chemical Bonding</b>	3.1 Why do atoms form chemical bonds? (Pg. 33) 3.2 Chemical Bond (Pg. 33-41) 3.3 Metallic Bond (Pg. 41-43) 3.4 Electropositive character of Metals (Pg. 43) 3.5 Electronegative character of Non-metals (Pg. 43) 3.7 Intermolecular forces of Attraction (Pg.44,45) <b>MCQs = i, ii, iii, iv, vi, vii, viii, x</b> <b>S.Q = i, iii, v, vi</b> <b>CRQ = i, ii, iii, iv</b> <b>Desc.Q = i, iii, vi</b> <b>Inves.Q = No Question Included</b>	3.6 Compare the Properties of Ionic and Covalent Compounds (Pg. 44) 3.8 Nature of Bonding and Properties (Pg. 46-48)  <b>MCQs = v, ix</b> <b>S.Q = ii, iv</b> <b>CRQ = v, vi</b> <b>Desc.Q = ii, iv, v</b> <b>Inves.Q = i, ii</b>	80%	20%

Chapters	Included Syllabus	Excluded Syllabus	Included Syllabus %	Exclude Syllabus %
<b>4. Stoichiometry</b>	(Pg. 52-63) Full Chapter is Included MCQs = i, ii, iii, iv, v, vi, vii S.Q = i, iii, iv, v CRQ = i, ii, iii Desc.Q = i, ii, iv, v, vi, vii Inves.Q = No Question is included	MCQs = viii, ix, x S.Q = ii CRQ = iv, v Desc.Q = iii Inves.Q = i, ii	95%	5%
<b>5. Energetics</b>	Introduction (Pg. 67,68) 5.1 System and Surrounding (Pg. 68,69) 5.2 Enthalpy (Pg. 69,70) 5.3 Exothermic and Endothermic Reactions (Pg. 70 and 71 before last para) 5.4 How does a Reaction take place? (Pg. 75-77) 5.5 Aerobic and Anaerobic Respiration (Pg. 77,78) MCQs = i, ii, iii, iv, v, viii, S.Q = i, ii, iii, v CRQ = ii Desc.Q = ii, iii, v Inves.Q = i	Partial part of 5.3 Exothermic and Endothermic Reactions (Last para from page 71-74)  MCQs = vi, vii, ix, x S.Q = iv CRQ = i, iii Desc.Q = i, iv Inves.Q = ii	75%	25%
<b>6. Equilibria</b>	6.1 Reversible and Irreversible Reactions (Pg. 83-85) 6.2 Dynamic equilibrium (Pg. 85-86)  MCQs = i, ii, v, vi, viii, ix S.Q = i, iii, iv CRQ = i, ii, iii Desc.Q = i, ii, iv Inves.Q = No Question Included	6.3 Changing the physical conditions of a chemical reaction (Pg. 86-89)  MCQs = iii, iv, vii, x S.Q = ii, v CRQ = iv, v Desc.Q = iii, v Inves.Q = i, ii	60%	40%
<b>7. Acid Base Chemistry</b>	7.1 Acids and Bases (Pg.93-95) 7.2 Different Concepts of Acids and Bases (Pg.95-98) 7.3 Bronsted-Lowery Concepts of Acids and Bases (Pg.98-100) 7.4 Properties of Acids and Bases (Pg.100-101) MCQs = i, ii, iii, iv, v, vi, viii, ix S.Q = i, ii, iii, iv CRQ = i, iii, iv, v Desc.Q = i, ii, iii, vi Inves.Q = ii	7.5 Acid Rain and its Effects (Pg. 102)  MCQs = vii, x S.Q = v CRQ = ii Desc.Q = iv, v Inves.Q = i	92%	08%

Chapters	Included Syllabus	Excluded Syllabus	Included Syllabus %	Exclude Syllabus %
<b>8. Periodic Table and Periodicity</b>	8.1 Modern Periodic Table (Pg. 105-106) 8.2 Salient Features of Modern Periodic Table (Pg. 106-109) 8.3 Similarities in the Chemical Properties of Elements in the Same Group (Pg. 109-110) 8.4 Variation of Periodic Properties in Periods and Groups (Pg. 110-114) <b>MCQs = i, ii, iii, iv, v, vi, vii, x</b> <b>S.Q = i, ii, iii, iv, v, vi, vii, viii</b> <b>CRQ = i, ii, iii, iv</b> <b>Desc.Q = i, ii, iii, v</b> <b>Inves.Q = i, iii</b>	8.5 Metallic character and Reactivity (Pg. 114-115)  <b>MCQs = viii, ix</b> <b>S.Q = ix, x</b> <b>CRQ = v</b> <b>Desc.Q = iv, vi</b> <b>Inves.Q = ii</b>	86%	14%
<b>9. Group Properties and Elements</b>	Introduction (Pg. 120) 9.1 Properties of Group 1 Elements (Pg. 120-121) 9.2 Properties of Group 17 Elements (Pg. 121-122) 9.3 Group Properties of Transition Elements (Pg. 122-123) 9.4 Properties of Noble Gases (Pg. 123) <b>MCQs = i, ii, iii, iv, v, vi, vii, x</b> <b>S.Q = i, ii, iii, iv</b> <b>CRQ = i, ii, iv, v</b> <b>Desc.Q = i, ii, iv, v, vii</b> <b>Inves.Q = i, ii</b>	9.5 Physical Properties of Metals and Non-Metals (Pg. 124-125)  <b>MCQs = viii, ix</b> <b>S.Q = v</b> <b>CRQ = iii, vi, vii</b> <b>Desc.Q = iii, vi</b> <b>Inves.Q = iii</b>	80%	20%
<b>10. Environmental Chemistry</b>	Introduction (Pg. 130) 10.1 Composition of Atmosphere (Pg. 131) 10.2 Air Pollutants (Pg. 131-134) 10.3 Acid Rain (Pg. 134-136)  <b>MCQs = ii, iii, v, vi, vii, x</b> <b>S.Q = i, iv, v</b> <b>CRQ = i, ii</b> <b>Desc.Q = i</b> <b>Inves.Q = No Question Included</b>	10.4 Global Warming (Greenhouse Effect) (Pg. 136-139) 10.5 Strategies to Reduce Environmental Issues (Pg. 139-141) <b>MCQs = i, iv, viii, ix</b> <b>S.Q = ii, iii, vi, vii</b> <b>CRQ = iii, iv, v</b> <b>Desc.Q = ii, iii, iv, v</b> <b>Inves.Q = i, ii, iii</b>	62%	38%

Chapters	Included Syllabus	Excluded Syllabus	Included Syllabus %	Exclude Syllabus %
<b>11. Hydrocarbons</b>	Introduction (Pg. 145-146) 11.1 Hydrocarbons (Pg. 146-147) 11.2 Alkanes (Pg. 147-149) 11.3 Preparation of Alkanes (Pg. 150-151) <b>MCQs = i, ii, iv, v, vii, viii</b> <b>S.Q = i, ii, iv, v, vi, vii</b> <b>CRQ = i, ii, iii</b> <b>Desc.Q = i, ii, iv</b> <b>Inves.Q = ii, iii</b>	11.4 Important Reactions (Pg. 151-153)  <b>MCQs= iii, vi, ix, x</b> <b>S.Q = iii, viii, ix</b> <b>CRQ = iv, v, vi</b> <b>Desc.Q = iii, v</b> <b>Inves.Q = i</b>	75%	25%
<b>12. Empirical Data Collection and Analysis</b>	Nothing is included	Full Chapter Deleted	0%	100%
<b>13. Laboratory and Practical Skills</b>	Nothing is included	Full Chapter Deleted	0%	100%

## Class: 9<sup>th</sup> Subject: Biology

### Overall Percentage of the Smart Syllabus (ALP)

Class 9<sup>th</sup> Included Percentage = 68.75%

Chapters	Included Syllabus	Excluded Syllabus	Included Syllabus %	Excluded Syllabus %
<b>1. The science of Biology</b>	1.1 Biology and its Branches 1.4 Quranic Instructions to Reveal the study of Life 1.6 Scientific Method 1.7 Theory and Law / Principle <ul style="list-style-type: none"> <li>MCQs No. 1,2,3,4,5,6,7,8</li> <li>Short answers No. 1,2,4,6</li> <li>Long questions No. 4,5</li> </ul>	1.2 Relation of Biology with other sciences (Pg#8-10) 1.3 Careers in Biology (Pg#10-12) 1.5 Science as a collaborative field (Pg#13-14) 1.8 Malaria- An example of Biological Method (Pg#17-20) <ul style="list-style-type: none"> <li>Key Points (Pg#21-22)</li> <li>MCQ No. 9 &amp;10 (Pg#23)</li> <li>Short answers No. 3 &amp; 5 (Pg#23)</li> <li>Long questions No. 1-3 &amp; 6-7 (Pg#24)</li> <li>Inquisitive questions all (Pg#24)</li> </ul>	55%	45%
<b>2. Biodiversity</b>	2.1 Biodiversity 2.2 Classification 2.3 Taxonomic ranks 2.5 Domains of living organisms 2.6 Classification of domain Eukarya 2.7 Status of virus in Classification 2.8 Binomial Nomenclature <ul style="list-style-type: none"> <li>MCQ No. 1,2,3,4,5,6,7</li> <li>Short answers no.3,5,6,7,8,9,10,11</li> <li>Long questions no. 3,4,5,6,7</li> </ul>	2.1.1 Advantages of classification (Pg#27) Table (Pg#28) 2.4 History of classification (Pg#29) Table (Pg#31) Table (Pg#35) Box (Pg#36) <ul style="list-style-type: none"> <li>Key Points (Pg#38)</li> <li>MCQ No. 8-10 (Pg#39)</li> <li>Short answers no.1,2 &amp;4 (Pg#40)</li> <li>Long questions no. 1&amp;2 (Pg#40)</li> <li>Inquisitive questions all (Pg#40)</li> </ul>	81.25%	18.75%
<b>3. The Cell</b>	3.1 Cell 3.2 Structure of Cell 3.4 Cell Specialization 3.5 Stem cells <ul style="list-style-type: none"> <li>MCQ No. 1,2,3,5,6,7,8,9,10,12,13</li> <li>Short answers No.1,2,3,5,6,7,8,9,11 12,13</li> <li>Long questions No.1,2,3,4,5,6,7,10</li> </ul>	Side box and Table (Pg#52) Table (Pg#53) 3.3 Structural Advantages of Plant and Animal Cells (Pg#53-54) Division of Labour within and across cells (Pg#56,57) Key Points (Pg#59) <ul style="list-style-type: none"> <li>MCQ No. 4, 11 &amp; 14 (Pg#60-61)</li> <li>Short answers No. 4, 10 &amp; 14 (Pg#61)</li> <li>Long questions No. 8 &amp; 9 (Pg#62)</li> <li>Inquisitive questions all (Pg#62)</li> </ul>	80%	20%

Chapter	Included Syllabus	Excluded Syllabus	Included Syllabus %	Excluded Syllabus %
<b>4. Cell Cycle</b>	4.1 Cell Cycle 4.2 Mitosis 4.3 Meiosis <ul style="list-style-type: none"> <li>MCQ No. 1,2,4,5,6,7,9,10</li> <li>Short answers No. 1,2,3,4,5,6,7,9 11,12</li> <li>Long questions No. 1,3,4,5</li> </ul>	Box (Pg#65) 4.4 Comparison between Meiosis and Mitosis (Pg#73-75) Key Points (Pg#76) <ul style="list-style-type: none"> <li>MCQ No. 3 &amp; 8 (Pg#77)</li> <li>Short answers No. 8 &amp; 10 (Pg#78)</li> <li>Long questions No. 2 (Pg#78)</li> <li>Inquisitive questions all (Pg#78)</li> </ul>	75%	25%
<b>5. Tissues, Organs And Organ System</b>	5.1 Levels of organization 5.2 Organs and organ systems in plants 5.3 Organs and organ systems in Humans 5.4 Homeostasis <ul style="list-style-type: none"> <li>MCQ No. 2,4,5,6,8,9,10</li> <li>Short answers No.1,2,3,4,6,8</li> <li>Long questions No.1,2,3,4,5,7,8</li> </ul>	Emergent Properties (Pg#81,82) Role of Organ System in Homeostasis (Pg#89) Key Points (Pg#90) <ul style="list-style-type: none"> <li>MCQ No. 1, 3 &amp; 7 (Pg#90-91)</li> <li>Short answers No. 5 &amp; 7 (Pg#92)</li> <li>Long questions No. 6, 9 &amp; 10 (Pg#92)</li> <li>Inquisitive questions all (Pg#92)</li> </ul>	72%	28%
<b>6. Biomolecules</b>	6.1 Biomolecules 6.2 Carbohydrates 6.3 Proteins 6.4 Lipids 6.5 Nucleic Acid 6.6 The Working of DNA and RNA <ul style="list-style-type: none"> <li>MCQ No. 2,3,4,5,6,7,9,10,11</li> <li>Short answers No.2,3,5,6,7,8,9</li> <li>Long questions No.1,2,3,4,5</li> </ul>	Key Points (Pg#105-106) <ul style="list-style-type: none"> <li>MCQ No. 1 &amp; 8 (Pg#106-107)</li> <li>Short answers No. 1 &amp; 4 (Pg#108)</li> <li>Long questions No. 6 (Pg#108)</li> <li>Inquisitive questions all (Pg#108)</li> </ul>	82%	18%
<b>7. Enzymes</b>	7.1 Metabolism 7.2 Enzymes 7.3 Mechanism of enzyme action 7.4 Factors affecting the activity of enzymes 7.5 Enzyme Inhibition <ul style="list-style-type: none"> <li>MCQ No. 2,3,5,6,7,8,9,10</li> <li>Short answers No.1,3,4,6,7,8,9,10</li> <li>Long questions No.1,2,3,5</li> </ul>	Key Points (Pg#116) <ul style="list-style-type: none"> <li>MCQ No. 1 &amp; 4 (Pg#117)</li> <li>Short answers No. 2 &amp; 5 (Pg#118)</li> <li>Long questions No. 4 (Pg#118)</li> <li>Inquisitive questions all (Pg#118)</li> </ul>	70%	30%



Chapter	Included Syllabus	Excluded Syllabus	Included Syllabus %	Excluded Syllabus %
<b>8. Bioenergetics</b>	8.1 ATP: The Cell's Energy Currency (Pg#24) 8.2 Photosynthesis 8.3 Cellular Respiration <ul style="list-style-type: none"> <li>MCQ No. 1,2,4,5,6,7,8,10</li> <li>Short answers No. 1,2,4,5,6,10, <b>11, 12</b></li> <li>Long questions No. 1,2,4,5</li> </ul>	Use of Respiratory energy in Body (Pg#128) Table (Pg#128) Table (Pg#129) Figure 8.8 (Pg#129) Key Points (Pg#130) <ul style="list-style-type: none"> <li>MCQ No. 3 &amp; 9 (Pg#131)</li> <li>Short answers No. 3, 7, 8, 9, <b>13 (Pg#132)</b></li> <li>Long questions No. 3 &amp; 6 (Pg#132)</li> <li>Inquisitive questions all (Pg#132)</li> </ul>	75%	25%
<b>9. Plant Physiology</b>	9.1 Nutrition in Plants 9.2 Transport in Plants 9.3 Transportation 9.4 Transport of water and salts in plants 9.5 Translocation of food in plants 9.6 Gaseous exchange in plants 9.7 Mechanisms of Excretion in plants 9.8 Osmotic adjustments in plants <ul style="list-style-type: none"> <li>MCQ No.1,2,3,5,6,8,9,10,11</li> <li>Short answers No. 2,4,5,6,7,8</li> <li>Long questions No.1,2,4,5,6,7,9</li> </ul>	Roles of Nitrogen and Magnesium (Pg#135) Key Points (Pg#148) <ul style="list-style-type: none"> <li>MCQ No. 4 &amp; 7 (Pg#149)</li> <li>Short answers No. 1 &amp; 3 (Pg#150)</li> <li>Long questions No. 3 &amp; 8 (Pg#150)</li> <li>Inquisitive questions all (Pg#150)</li> </ul>	78%	22%
<b>10. Reproduction in Plants</b>	10.1 Types of Asexual reproduction 10.2 Artificial Propagation 10.3 Sexual reproduction in plants <ul style="list-style-type: none"> <li>MCQ No.1,2,3,5,6,7,8,9,11,12,13,14</li> <li>Short answers No.1,2,4,5,6,7,8,9</li> <li>Long Questions All included</li> </ul>	Key Points (Pg#163) <ul style="list-style-type: none"> <li>MCQ No. 4 &amp; 10 (Pg#164)</li> <li>Short answers No. 3 &amp; 10 (Pg#165-166)</li> <li>Inquisitive questions all (Pg#166)</li> </ul>	88%	12%
11	Nothing included	Entire chapter is deleted. (Pg#167-175)	0%	100%
Glossary		Completely deleted. (Pg#176-180)		
<b>Accumulative %age</b>			<b>68.75%</b>	<b>31.25%</b>

**Note: Percentage is calculated on the basis of number of pages, number of topics and number of questions included and excluded in each chapter.**

## Class: 9<sup>th</sup> Subject: Computer

### Overall Percentage of the Smart Syllabus (ALP)

Class 9 <sup>th</sup>				
Included %age = <b>64%</b>		Excluded %age = <b>36%</b>		
Chapter	Included Syllabus	Excluded Syllabus	Included Syllabus % (Based On Exercise)	Excluded Syllabus %
<b>1. Introduction To Systems</b>	Theory of systems + Systems Theory + (1.1.1, 1.1.1.1) Before Types of System Objectives. pg # (2 – 3) Components, Environment (without static vs Dynamic), Communication, System's Interaction with environment (pg # 4 – 6) System & Science (Natural, design science, computer science (1.3.3)) pg # 11 – 12 The architecture of Von Neumann (1.5) (pg # 15 – 18) <b>Exercise:</b> MCQs (1-3, 5, 8 – 9), SQs (1, 5 – 9), LQs (1, 6, 7)	Types of System Objectives (Pg. No. 3-4), Static vs Dynamic Systems (Pg. No. 5), <b>Both Activities (Pg. No. 6)</b> , Types of Systems (Pg. No. 7-10), Design Science of Computer Science (Pg. No. 12), Computer as System (Pg. No. 13-15), Computing Systems (Pg. No. 18-20) <b>Exercise:</b> MCQs (Q. 4, 6, 7, 10) (Pg. 22-23), Short Questions (Q. <b>2</b> , 3, 4, 10) (Pg. 23), Long Questions (Q. 2-5, 8) (Pg. 23)	<b>54%</b>	<b>46%</b>
<b>2. Number Systems</b>	Numbering System 2.1 (pg # 25-31), Whole numbers, integers, negative values of two's complement (pg # 31 – 33) Binary Arithmetic operations 2.4 (pg # 36 – 42) Storage devices (pg # 45) <b>Exercise:</b> MCQs (1 – 6), SQs (1 – 7), LQs (1 – 8)	Binary Encoding of Integers(Z) and Real Numbers(R), Whole Numbers (W) and Integers (Z) (Page No. 31), Understanding Floating Point Representation (Page No. 33-36), Storing Images audio and video in computers (Page No. 43-44). <b>Exercise:</b> MCQs (Q. 7-10) (Page 47), Short Question (Q. 8- 10) (Page No. 47)	71%	29%
<b>3. Digital systems &amp; Logic Design</b>	Basics of Digital Systems 3.1, (3.2 (Boolean Algebra and Logic Gates + 3.3 (Simplification of Boolean Functions) (pg # 50 – 61) Creating logic Diagrams (pg # 62) <b>Exercise:</b> MCQs (1 – 3, 5), SQs (1 – 4), LQs (1, 2, 7)	Application of Digital Logic (Page No. 62-66), Class Activity (Page No. 66) <b>Exercise:</b> MCQs (Q. 4), Short Question (Q. 5), Long Question (Q. 3-6, 8, 9)	58%	42%
<b>4. System Trouble Shooting</b>	System Troubleshooting 4.1 (pg # 70 – 73) Hardware related issues (pg # 75 – 79) Before Addressing security threats (4.2.4.2). Data Management & Backups (pg # 80 – 81) Before (4.2.6) <b>Exercise:</b> MCQs (1 – 5, 7, 8), SQs (1 - 5), LQs (1 – 4, 7, 10)	Trouble shooting strategies (Page No. 74), Addressing Security Threats (Page No. 79), Using Resources for Troubleshooting (Page No. 81-82). <b>Exercise:</b> MCQs (Q. 6, 9, 10), Long Questions (Q. 5, 6, 8, 9).	72%	28%

Chapter	Included Syllabus	Excluded Syllabus	Included Syllabus % (Based on exercise)	Excluded Syllabus %
5. Software System	Software (pg # 88) <b>Exercise:</b> MCQs (2, 4, 8), SQs (1,5), LQs (1)	Introduction to system software and application software. (Page No. 89-96). <b>Exercise:</b> MCQs (Q. 1, 3, 5-7, 9, 10), Short Question (Q. 2-4, 6-8), Long Questions (Q. 2-6).	25%	75%
6. Introduction to Computer Networks	Network as a system, fundamental concept in data communication, networking devices, network topologies, transmission modes, OSI layers, IPV4 and IPV6, protocols and network services, network security = (pg # 100 – 114) before (6.9.2), types of networks, Real world applications, protocols, security methods (pg # 116 – 119) <b>Exercise:</b> MCQ (1 – 5, 7 – 10), SQs (1 – 3, 5, 7), LQs (1, 2, 4, 6, 7, 9)	Key concepts in Network Security (Page No. 114-116) <b>Exercise:</b> MCQs (Q. 6), Short Questions (Q. 4, 6, 8-10), Long Questions (Q. 3, 5, 8)	69%	31%
7. Computational Thinking	Complete chapter included except. Class activity algorithm challenge (pg # 128), Did you know (pg # 141) <b>OR</b> Definition of CT, Principles of CT, Algorithm Design Methods, Algorithm Activities, Dry run, LARP(pg # 124 – 146). <b>Exercise:</b> MCQs (1 – 10), SQs (1 – 12), LQs (1 – 11)	Class Activity Algorithm Challenge Page 128, Did You Know? (Page No. 141)	100%	0%
8. Web Development with HTML, CSS & Javascript	Web development, Basic components of web development, started with HTML (without 8.3.1), HTML Structure, creating content, styling with CSS (without 8.6.3.1) (pg # 152 – 163), Creating layouts and organizing content (without positioning) (pg # 164 – 165) Introduction to Java (without 8.7.1.3, 8.7.3) pg # (168 – 172) <b>Exercise:</b> MCQs (1 – 10), SQs (1 – 10), LQs (1 – 6)	History of HTML (Page No. 155), Styling Background (Page No. 163-164), <b>Positioning (Page No. 165)</b> , Adding animations and transitions to CSS (Page No. 167-168), Data Types (Page No. 170), Handling Events and User Input (Page No. 172-175), Debugging Techniques (Page No. 175-176) <b>Exercise:</b> Long Question No. 7, 8	93%	7%

Chapter	Included Syllabus	Excluded Syllabus	Included Syllabus % (Based on exercise)	Excluded Syllabus %
<b>9. Data Science &amp; Data Gathering</b>	Data (without examples), Qualitative data, quantitative data (without types) (pg # 180 – 182) Organizing & Analyzing Data (without 9.3.1.1) (pg # 185 – 188) Data types (pg # 190), Data visualization (without 9.6.1(without paragraph), 9.6.2) (pg # 192) Data Pre-processing & Analysis (pg # 193 – 194) Collaborative tools and cloud storage (pg # 197 – 198) Before collaborative authoring (9.8.4) introduction to Data science (pg # 199 – 200) Before (Data science workflow 9.9.3) <b>Exercise:</b> MCQs (1 – 2, 6, 8 – 11), SQs (1, 4, 5, 9, 10), LQs (1, 2, 4, 6)	Examples of Data (Page No. 180), Types of Qualitative data (Page No. 181-182), Types of Quantitative data (Page No. 182-184), Class Activity (Page No. 185), Gathering data from Online Sources (Page No. 188-189), Data Storage Techniques (Page No. 190-191), Importance and Benefits of Data Visualization (only Paragraph) (Page No. 192), Visualizing Different Data Types (Page No. 192), Statistical Analysis (Page No. 195-196), Methods for Analyzing Qualitative Data (Page No. 196), Class Activity (Page No. 197), Collaborative Authoring (Page No. 198-199), Data Science Work Flow (Page No. 200), Class Activity (Page No. 201), Big Data and its Application (Page No. 201-206) <b>Exercise:</b> MCQs (Q. 3-5, 7, 12-14), Short Questions (Q. 2, 3, 6-8, 11), Long Questions (Q. 3, 5, 7, 8, 9, 10)	46%	54%
<b>10. Emerging Technologies in Computer Science</b>	Introduction to AI + Understanding AI (pg # 212) Applications & subfields (pg # 213 – 215) AI Algorithms and Techniques + Types of AI Algorithms <b>Explainable (white box) Algorithms (without, rule based algorithms).</b> Unexplainable (Black box) Algorithm (pg # 217) Introduction to IoT (pg # 217 - 220) <b>Exercise:</b> MCQs (1 – 7), SQs (1, 3 – 6), LQs (1, 3, 4)	Historical Context of Artificial Intelligence (Page No. 212- 213), Explainable White Box Algorithm <b>(Rule based Algorithm) (Page No. 216),</b> Implications and Future of Emerging Technologies (Page No. 220-221). <b>Exercise:</b> MCQs (Q. 8-10), Short Questions (Q. 2, 7-10), Long Questions (Q 2, 5-9)	52%	48%
<b>11. Ethical, Social and Legal Concerns in Computer Usage</b>	Introduction + Secure and Conscientious computer Usage (pg # 226). Responsible computer usage (pg # 227). Secure usage of digital platforms, Best practices in Online Behavior (pg # 229 – 230) (Before 11.3.2). Intellectual property rights (pg # 233) before (11.5.1.2) <b>Exercise:</b> MCQs (1 – 9, 12), SQs (1, 6 – 13, 16, 17), LQs (1, 2, 5, 7)	Class Activity (Page No. 227), Safe and Secure Operations of Digital Platforms (Page No. 228), Importance of Privacy Settings and Data Security Measures (Page No. 230), Legal Ethical Framework (Page No. 230-232), Ethical and Legal Responsibilities Regarding Intellectual Property <b>Rights</b> (Page No. 233), Responsible Internet Use (Page No. 233-235), Class Activity Page No. 236, Impact of Computing on Society (Page No. 236-238). <b>Exercise:</b> MCQs (Q. 10, 11, 13-15), Short Questions (Q. 2-5, 14, 15, 18-21), Long Questions (Q. 3, 4, 6, 8)	57%	43%

Chapter	Included Syllabus	Excluded Syllabus	Included Syllabus % (Based on exercise)	Excluded Syllabus %
<b>12. Entrepreneurship in Digital Age</b>	Entrepreneurship, Entrepreneurship in Digital landscape (pg # 244 – 248) Business Idea Generation (before Ideation and Problem Solving) (12.4.1) pg # 253 Creative Problem Solving (pg # 254) Developing Business plans (pg # 254 – 257) Ethical & Sustainable Entrepreneurship (pg # 257 – 258) <b>Exercise:</b> MCQs (1 – 3, 6 – 10), SQs (1 – 4, 6 – 8), LQs (1, 4, 6)	E-Commerce Platform (till online marketing tools) (Page No. 249-252), Ideation and Problem Solving (Page No. 253), Class Activity and Did You know? (Page No. 257), Class Activity and Did You Know? (Page No. 258). <b>Exercise:</b> MCQs (Q. 4, 5), Short Question (Q. 5), Long Questions (Q. 2, 3, 5)	<b>75%</b>	<b>25%</b>

**Note:** All types of questions for BISE Examination paper will be prepared from the entire content of the textbook other than those topics and questions which have been excluded / deleted in the Smart Syllabus (ALP) for Computer Science & Entrepreneurship-9 (Session 2025-26).

Chapters	Included %		Excluded %
<b>1</b>	<b>54%</b>	→	<b>46%</b>
<b>2</b>	71%	→	29%
<b>3</b>	58%	→	42%
<b>4</b>	72%	→	28%
<b>5</b>	25%	→	75%
<b>6</b>	69%	→	31%
<b>7</b>	100%	→	00%
<b>8</b>	93%	→	07%
<b>9</b>	<b>46%</b>	→	<b>54%</b>
<b>10</b>	52%	→	48%
<b>11</b>	57%	→	43%
<b>12</b>	<b>75%</b>	→	<b>25%</b>