



**APSACS SSC Syllabus Pack  
Class X  
Cold & Warm Region  
2020-21**

**ARMYPUBLIC SCHOOLS& COLLEGES SYSTEM SECRETARIAT**

## Academic Calendar 2020-2021

<b>APSACS Syllabus Pack (5 Blocks- 25 Weeks Study Time )</b>		
<ul style="list-style-type: none"> <li>• <b>80% Course to be studied from Block 1-4:</b> (22 Jun -07 Nov2020)</li> <li>• <b>20% course to be studied inBlock5:</b> (19 Nov - 24 Dec2020)</li> <li>• <b>Winter Break (10 days) From 25<sup>th</sup> of December 2020 to 3<sup>rd</sup> January2021</b></li> <li>• <b>Revision, syllabus completion &amp; Test Series:</b> (04Jan -20Feb)</li> </ul>		
# of Study weeks	Week Dates	Class X
<b>Block 1 (05 weeks) 22 June – 25 July</b>		
1.	22 June- 27 June	Syllabus Pack
2.	29 June – 04 July	
3.	06 July – 11 July	
4.	13 July – 18 July	
5.	20 July - 25 July	
<b>Block 2 (05 weeks) 27 July – 29 Aug</b>		
6.	27 July – 01 Aug	Syllabus Pack
7.	03Aug – 08 Aug	
8.	10 Aug – 15 Aug	
9.	17 Aug – 22 Aug	
10.	24 Aug – 29 Aug	
<b>Block 3 (05 weeks) 31 Aug – 03 Oct</b>		
11.	31 Aug - 05 Sept	Syllabus Pack
12.	07 Sept – 12 Sept	
13.	14 Sept – 19 Sept	
14.	21 Sept – 26 Sept	
15.	28 Sept – 03 Oct	

<b>Block 4 (05 weeks) 05 Oct – 07 Nov</b>		
16.	05 Oct – 10 Oct	Syllabus Pack
17.	12 Oct – 17 Oct	
18.	19 Oct - 24 Oct	
19.	26 Oct - 31 Oct	
20.	02 Nov - 07 Nov	
21 & 22	09 Nov – 26 Nov	<b>School Assessments for FBISE Admission (02 weeks &amp; 4 days)</b>
<b>Block 5 (04 weeks + 2 days) 27 Nov – 24 Dec</b>		
23.	27 Nov - 28 Nov	Syllabus Pack
24.	30 Nov – 05 Dec	
25.	07 Dec -12 Dec	
26.	14 Dec -19 Dec	
27.	21 Dec - 24 Dec	
<b>Winter Break (10 days) From 25<sup>th</sup> of December 2020 to 08 of January 2021</b>		
<b>Block 6 (03 weeks) 04 Jan – 23 Jan</b>		
28.	11 Jan – 16 Jan	Syllabus Pack
29.	18 Jan – 23 Jan	
30.	25 Jan – 30 Jan	
<b>Revision + Test Series (02 weeks) 25 Jan – 06 Feb</b>		
31.	01 Feb – 06 Feb	Syllabus Pack
32.	08 Feb – 13 Feb	
<b>Pre Boards Exams (3 weeks) 08 Feb – 25 Feb</b>		
33.	15 Feb – 20 Feb	Syllabus Pack
34.	22 Feb – 25 Feb	



# **APSACS SSC Syllabus Pack**

**Class X**

**Block 6 (Week 28-30)**

**APSACS Syllabus Pack SSC X  
Cold & Warm Region  
2020-2021**

**English**

Resources	Timeline for Session 2020 - 2021														
<p><b>Prescribed Textbook</b></p> <ul style="list-style-type: none"> <li>• English 10 (Punjab Textbook Board)</li> <li>• English Grammar and Composition, PTB, Lahore, 1st Edition March, 2020)</li> </ul> <p>Authors: Prof. B.A Chisty Prof. Fazl-ur-Rehman Butt Abdul Qadeer Hashmi</p> <p><b>Resources:</b></p> <ul style="list-style-type: none"> <li>• English Simple Grammar and Composition 10<sup>th</sup> Class (Federal Board) Author: Prof Zia-ur-Rahman Khan</li> <li>• High School English Grammar &amp; Composition by Wren &amp; Martin. Multicolour Edition 2016 Revised by Prasada Rao</li> </ul> <p><b>Prescribed Notebook:</b> Single-lined notebook (large) / Register</p>	<table border="1"> <thead> <tr> <th>Weeks / Days</th> <th>Class X</th> </tr> </thead> <tbody> <tr> <td><b>Time available</b></td> <td><b>34 wks</b></td> </tr> <tr> <td><b>Study Time</b></td> <td><b>27+wks</b></td> </tr> <tr> <td><b>School Assessments</b></td> <td><b>02 weeks &amp; 04 days</b></td> </tr> <tr> <td><b>Winter Break</b></td> <td><b>10 days</b></td> </tr> <tr> <td><b>Revision &amp; Test Series</b></td> <td><b>02wks</b></td> </tr> <tr> <td colspan="2"><b>Federal Board Examination</b></td> </tr> </tbody> </table>	Weeks / Days	Class X	<b>Time available</b>	<b>34 wks</b>	<b>Study Time</b>	<b>27+wks</b>	<b>School Assessments</b>	<b>02 weeks &amp; 04 days</b>	<b>Winter Break</b>	<b>10 days</b>	<b>Revision &amp; Test Series</b>	<b>02wks</b>	<b>Federal Board Examination</b>	
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<b>Federal Board Examination</b>															

### General Note for all subjects:

- After Block 6 ending on 30<sup>th</sup> Jan, 2021, Revision & Test Series will be planned & carried out by the schools as per APSACS Policy. Refer Academic Calendar attached with the Block.
- بلاک ۶ (۳۰ جنوری ۲۰۲۱ء) کے بعد، اسکولز اسپیسکس پالیسی کے مطابق دہرائی اور ٹیسٹ سیریز کی منصوبہ بندی کی جائے گی۔ (بلاک کے شروع میں دیا گیا کیلنڈر ملاحظہ کیا جائے)۔

### Revised Reduced syllabus for class X

Ministry of Federal Education & Professional Training has announced & uploaded reduced syllabus / content again on FBISE official Website for SSC Annual Examination 2021 on 14 October 2020. Schools must ensure that the revised syllabus content is well-taught & students are prepared to appear for Board Exams.

Unit #	Title	Contents /Exercises to be covered
1	Hazrat Muhammad (PBUH) an Embodiment of Justice	Glossary & Vocabulary (Ex-A&B) Reading Comprehension (A &C) Grammar: Concrete & Abstract Noun (Exercise A, B & C) Homework: Writing Skills Exercise(A&B)
2	Chinese New Year	Grammar – Collective Nouns Exercises – A
3	Try Again (Poem)	Theme of the poem Stanza Comprehension Reading Comprehension Exercise-A Figures of Speech (Simile & Alliteration) Grammar: Personal Pronoun & Degrees of Adjectives (Exercise A, B, C&D) Homework: Writing Skills (Exercise-A)
4	First Aid	Glossary Exercise A, B & C Reading Comprehension Exercise-A &B Grammar (Adverb, Adverb Phrase, Infinitive & gerund) Exercise A, B, C & D Homework: Writing Skills “How to take care of cuts and scrapes”
5	The Rain (Poem)	Theme Stanza Comprehension Figures of Speech (Metaphor & Personification)

**Subject: English– X****Session (2020-2021)**

		Vocabulary Exercise A, B, C & D Reading Comprehension Exercise, A & B Grammar (Transitive & Intransitive Verbs) Exercise-A
6	Television Vs News paper	Grammar – First Conditionals Exercises – C
7	Little by Little One Walks Far	Grammar - Indefinite Pronouns Exercises – A, B
8	Peace (Poem)	Grammar – Pronouns Exercises – A, B, C
9	Selecting the Right Career	Glossary, Vocabulary (Exercise A, B & C) Reading Comprehension (Exercise-A) Grammar (Noun Clause) Homework: Writing Skills (Exercise-C)
10	The World without Books	Reading Comprehension Exercise-A Grammar (Relative Pronoun & Adjective Clause) Exercise (A & B) Homework: Glossary & Vocabulary
11	Great Expectations	Grammar - Narration Exercises – D
12	Population Growth and World Foods Supplies	Grammar - Subordinating Conjunctions – Adverb Clauses Exercises – A, B, C, D
13	Faithfulness	Reading Comprehension (Page -154) Grammar (Conditional Sentences), Compound & Complex Sentences Homework: Glossary & Vocabulary

**GRAMMAR & COMPOSITION**

- i. **All parts of speech** (types & subtypes)
- ii. **Types of phrases, clauses & sentences** (Identification only)
- iii. **Conditional Sentences**
- iv. **Verbs** (Gerund, Participles & Infinitive)
- v. **Narration** (Exercises from pages 173 -177, English Grammar and Composition, PTB, Lahore,1st Edition March, 2020)
- vi. **Prepositional /Phrasal Verbs** Sr#1-60 (Pages 159 –161, English Grammar and Composition, PTB, Lahore,1st Edition March, 2020)
- vii. **Comprehension Paragraphs** Verbs (Exercises 1-15 pages 38-45(from English Grammar and Composition, PTB, Lahore,1st Edition March, 2020)
- viii. **Application /Letter**
  - a. Write an application to the MD of a firm for the post of Manager
  - b. Write an application to the principal of your school regarding access to e-library
  - c. Write a letter the editor of a newspaper regarding poor sanitation
  - d. Write a letter the editor of a newspaper regarding increasing rate of street crimes.
- ix. **Essay writing**
  - a. My Aim in Life
  - b. Overpopulation
  - c. Patriotism
  - d. Beauties of Village Life
  - e. My Ideal Personality
  - f. Green and Clean Pakistan

**NOTE:**

1. Only Reading Comprehension Ex of Unit No. 2,6,7,8, 11 & 12 are excluded.
2. All Review Exercises (I, II & III) in the English Text Book are entirely excluded
3. The overall pattern and weightage of annual paper will remain the same, however, both objective and subjective paper will be from the reduced /selected contents.
4. All grammar- based content is supposed to be taken from the prescribed /recommended grammar book English Grammar and Composition, PTB, Lahore,1st Edition March, 2020.



Subject: English– X  
 Block 6: English Weeks 28-30

Session (2020-2021

# of wks	Week Dates	Course Content Unit /Chapter/Topics
<b>Week 28</b>	11 Jan – 16 Jan	<ul style="list-style-type: none"> <li>• <b>Unit 13: Faithfulness</b>            Reading Comprehension (Page -154)            Grammar (Conditional Sentences), Compound &amp; Complex Sentences            Glossary &amp; Vocabulary</li> </ul>
<b>Week 29</b>	18 Jan – 23 Jan	<ul style="list-style-type: none"> <li>• <b>Writing skills:</b> <ol style="list-style-type: none"> <li>1. My Ideal Personality</li> <li>2. Beauties of Village Life</li> </ol> </li> <li>• <b>Grammar:</b>            Practice of kinds of Sentences            Prepositional / Phrasal Verbs            Sr#1-60 (Pgs 159 –161)</li> </ul>
<b>Week 30</b>	25 Jan – 30 Jan	<ul style="list-style-type: none"> <li>• <b>Application Writing</b>            Write an application to the principal of your school regarding access to e-library</li> <li>• <b>Grammar</b>            Practice of Phrasal Verbs            Practice of Narration            Practice of unseen comprehension passage</li> </ul>

Week No.	Topics / Objectives	Study Guidelines	Resources
<b>Week 28</b>	<p><b><u>Unit 13</u></b> Faithfulness</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> <li>• read and discuss the importance of keeping a promise in Islam</li> <li>• answer the given questions</li> <li>• solve grammar related Exercises</li> <li>• translate the given paragraph into Urdu</li> <li>• write character description of the villager</li> <li>• summarize the story with the help of mind map</li> </ul>	<ul style="list-style-type: none"> <li>• Use pre-reading questions to develop students' interest in the text and to assess their prior knowledge about the topic.</li> <li>• Reading and explanation of the story.</li> <li>• While reading discuss the glossary on pg 153. Discussions may be conducted or Qs may be asked to gauge the comprehension of the text.</li> <li>• Practice of translating random paragraphs into Urdu (oral)</li> <li>• Discuss all grammar related topics before the written work</li> <li>• <b>Vocabulary (pg 153)</b> Part A, B, C, D (to be done in registers)</li> <li>• <b>Reading Comprehension (pg 154)</b> Exercise to be done in registers (Q 1-6)</li> <li>• <b>Grammar (pg 154 - 158)</b> Ex A &amp; D to be done in textbook Ex B, C, E &amp; F to be done in registers</li> <li>• <b>Writing skills (pg 159)</b> Ex A &amp; B to be done in registers Note: Though writing skills is not included in the reduced content, however, its practice will enhance student's written expression.</li> </ul>	Eng-10 Textbook Pgs 149-154
<b>Week 29</b>	<p><b>Writing skills:</b></p> <ol style="list-style-type: none"> <li>1. My Ideal Personality</li> <li>2. Beauties of Village Life</li> </ol> <p>Students will be able to:</p> <ul style="list-style-type: none"> <li>• Brainstorm ideas for the content</li> <li>• Write essay on the topics</li> </ul>	<ul style="list-style-type: none"> <li>• Ask the students to describe their favourite personality. Why is somebody someone's ideal personality?</li> <li>• With the help of mind map, write a comprehensive essay on topic 1 in register.</li> <li>• Similarly, discuss the comparison between beauties of city &amp; village life. Board work after class discussion.</li> <li>• Written work in register on the second topic.</li> </ul>	<ul style="list-style-type: none"> <li>• Board</li> </ul>

	<p><b>Grammar:</b></p> <ol style="list-style-type: none"> <li>Practice of kinds of Sentences</li> <li>Practice of Prepositional / Phrasal Verbs</li> </ol> <p>Students will be able to:</p> <ul style="list-style-type: none"> <li>identify the kinds of sentences</li> <li>Use phrasal verbs in sentences</li> </ul>	<ul style="list-style-type: none"> <li>Revision &amp; explanation of kinds of sentences with examples.</li> <li>Written work after the board practice should consist of identification &amp; application of the concept.</li> <li>Phrasal verbs done so far to be revised orally.</li> <li>10-15 new Prepositional / Phrasal Verbs to be given for written practice.</li> </ul>	<ul style="list-style-type: none"> <li>English Grammar and Composition, PTB, Lahore, 1st Edition March, 2020) Sr # 1-60 (Pgs 159 – 161)</li> </ul>
<p><b>Week 30</b></p>	<p><b>Application Writing</b> Application to the principal of your school regarding access to e-library</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> <li>Discus:             <ol style="list-style-type: none"> <li>The difference between a physical library &amp; an e library</li> <li>How do e libraries work?</li> <li>How to access e library?</li> </ol> </li> <li>Write a formal application</li> </ul>	<ul style="list-style-type: none"> <li>Introduction of the topic. Check students' prior knowledge of e library &amp; its access</li> <li>Class discussion on:             <ol style="list-style-type: none"> <li>The difference between a physical library&amp;an e library</li> <li>the salient features of electronic library system</li> <li>what is meant by e resource in library?</li> <li>how can e library be accessed?</li> </ol> </li> <li>The discussion points to be noted down on the board. Use computer lab or laptop for practical demonstration of its access. Students who are familiar with the concept of e library / e books may help the teacher in this activity.</li> <li>Students to write an application to the Principal allowing access to e library</li> </ul>	<ul style="list-style-type: none"> <li>Board</li> <li>Internet</li> <li>Laptop</li> </ul>
	<p><b>Grammar</b> Practice of Phrasal Verbs Practice of Narration</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> <li>Use phrasal verbs in sentences</li> <li>Practice narration Ex</li> </ul>	<ul style="list-style-type: none"> <li>Revise the two concepts in different days: Phrasal Verbs &amp; Narration. Oral &amp; board practice is mandatory before written work</li> <li>For further practice, supplementary worksheets may be prepared on both the topics.</li> <li>Online practice tests may be accessed at home</li> </ul>	<ul style="list-style-type: none"> <li>Board</li> <li>Worksheets</li> <li>Online practice tests</li> </ul>

**Subject: English– X****Session (2020-2021)**

	<b>Unseen comprehension</b> Students will be able to: <ul style="list-style-type: none"><li>• Practice comprehension skills</li></ul>	<ul style="list-style-type: none"><li>• Provide an age-appropriate sample of unseen reading comprehension passage.</li><li>• Students to attempt the Ex after silent reading of the passage.</li><li>• Give one passage for H.W</li></ul>	<ul style="list-style-type: none"><li>• Sample of reading comprehension passage</li></ul>
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2020ء-2021ء

## ہنسیکس سلپس پیک ایس ایس سی II

کولڈ اینڈ وارم ریجن

2021-2020

## اردو

ذرائع	دستیاب وقت	
<p>ٹیکسٹ بک</p> <p>اردو (لازمی) برائے جماعت دہم</p> <p>ناشر: علمی کتاب خانہ کبیر سٹریٹ اردو بازار لاہور</p> <p>اردو قواعد و انشاء 9-10</p> <p>پنجاب ٹیکسٹ بک</p> <p>اردو نوٹ بک / رجسٹر</p>	جماعت دہم	ہفتے / دن
	35	کل دستیاب دورانیہ
	27	تدریسی دورانیہ
	03	اسمنٹ کے ہفتے
	10 دن	تعطیلات موسم سرما
	2 ہفتے	دہرائی + ٹیسٹ سیریز
	03	پری بورڈ امتحانات
	فیڈرل بورڈ امتحان	

## منتخب نصاب اُردو لازمی

شامل نصاب عنوانات برائے جماعت دہم

1. حمد (نظم) (مشق مکمل)
2. نعت (نظم)
3. نظریہ پاکستان
4. مجھے میرے دوستوں سے بچاؤ
5. ملمع
6. چغتل خور
7. نام دیومالی
8. علی بخش
9. میدان کربلا میں گرمی کی شدت
10. فاطمہ بنت عبد اللہ
11. حسرت موہانی (غزل)
12. جگر مراد آبادی (غزل)
13. قواعد و انشاء (مضمون نگاری، کہانی نویسی)

برطابق کتاب اُردو قواعد و انشاء نہم و دہم پنجاب ٹیکسٹ بک بورڈ لاہور۔  
نوٹ: (مصنفین اور شعرا کے تعارف میں سے کوئی سوال نہیں بنایا جائے گا)

نصابی مواد موضوع: سبق / نظم / غزل کا نام	ہفتے / دن	ہفتے
دہرائی نظریہ پاکستان ملح چغزل خور درخواست نویسی	11 جنوری - 16 جنوری	اٹھائیسواں ہفتہ
دہرائی نام دیومالی علی بخش نظم فاطمہ بنت عبد اللہ مضمون نویسی	18 جنوری - 23 جنوری	اتیسواں ہفتہ
دہرائی غزل: حسرت موہانی غزل: جگر مراد آبادی کہانی نویسی ترکیبِ نحوی	25 جنوری - 30 جنوری	تیسواں ہفتہ





<p>☆ اردو (لازمی) برائے جماعت دہم ☆ صفحات 70 تا 78 ☆ بورڈ مارکر</p>	<p>☆ طلباء سبق کی پڑھائی کرتے ہوئے سبق میں موجود پیغام کو سمجھیں۔ ☆ مشکل الفاظ کے معانی، مشقی سوالات اور تشریح کا اعادہ کیا جائے۔ ☆ کسی ایک پیرا گراف کی تشریح مندرجہ ذیل نکات کی مدد سے کریں۔</p> <ul style="list-style-type: none"> <li>• سبق کا نام۔۔۔۔۔ چغل خور</li> <li>• مصنف کا نام۔۔۔۔۔ شفیق عقیل</li> <li>• سیاق و اسباق</li> <li>• حل لغت۔۔۔۔۔</li> <li>• تشریح</li> </ul>	<p>دہرائی چغل خور طلباء اس قابل ہوں گے کہ ا۔ دیے گئے موضوع پر مکالمہ لکھ سکیں -</p>	
<p>☆ اردو قواعد و انشاء 9-10 ☆ صفحات 67 تا 70 ☆ بورڈ مارکر</p>	<p>☆ ہیلتھ آفیسر کے نام درخواست لکھ کر استدعا کریں کہ آپ کے محلے میں صفائی کے لیے بہتر انتظام کیا جائے۔ ☆ طلباء اردو قواعد و انشاء میں صفحہ نمبر 67 پر دیے گئے درخواست نویسی کے اصول و ضوابط کا بغور مطالعہ کریں۔ ☆ طلباء دیے گئے موضوع پر درخواست لکھ سکیں۔</p>	<p>دہرائی درخواست نویسی طلباء اس قابل ہوں گے کہ ا۔ طلباء دیے گئے موضوع پر درخواست لکھ سکیں۔</p>	

<p>☆ اردو (لازمی) برائے جماعت دہم ☆ صفحات 80 تا 86 ☆ پور ڈمار کر</p>	<p>☆ طلباء سبق کی پڑھائی کرتے ہوئے سبق میں موجود اخلاقی پہلو کو سمجھیں۔ ☆ مشکل الفاظ کے معانی، مشقی سوالات اور تشریح کا اعادہ کیا جائے۔ ☆ کسی ایک پیرا گراف کی تشریح مندرجہ ذیل نکات کی مدد سے کریں۔</p> <ul style="list-style-type: none"> <li>• سبق کا نام ----- نام دیومالی</li> <li>• مصنف کا نام ----- مولوی عبدالحق</li> <li>• سیاق و اسباق</li> <li>• حل لغت -----</li> <li>• تشریح</li> </ul>	<p>دہرائی نام دیومالی طلباء اس قابل ہوں گے کہ:</p> <p>۱۔ سبق کی پڑھائی اور الفاظ معانی، مشقی سوالات کے جوابات اور نثر پارے کی تشریح کا اعادہ کر سکیں۔</p>	<p>انتیسواں ہفتہ</p>
<p>☆ اردو (لازمی) برائے جماعت دہم ☆ صفحات 88 تا 93 ☆ پور ڈمار کر</p>	<p>☆ طلباء سبق کی پڑھائی کریں۔ ☆ مشکل الفاظ کے معانی، مشقی سوالات اور تشریح کا اعادہ کیا جائے۔ ☆ کسی ایک پیرا گراف کی تشریح مندرجہ ذیل نکات کی مدد سے کریں۔</p> <ul style="list-style-type: none"> <li>• سبق کا نام ----- علی بخش</li> <li>• مصنف کا نام ----- قدرت اللہ شہاب</li> <li>• سیاق و اسباق</li> <li>• حل لغت -----</li> <li>• تشریح</li> </ul>	<p>دہرائی علی بخش طلباء اس قابل ہوں گے کہ:</p> <p>۱۔ سبق کی پڑھائی اور الفاظ معانی، مشقی سوالات کے جوابات اور نثر پارے کی تشریح کا اعادہ کر سکیں۔</p>	

<p>☆ اردو (لازمی) برائے جماعت دہم ☆ صفحات 124 تا 127 ☆ بورڈ مارکر</p>	<p>☆ نظم کی دہرائی مندرجہ ذیل نکات کی مدد سے کی جائے۔</p> <ul style="list-style-type: none"> <li>• نظم کی پڑھائی اور مشکل الفاظ و تراکیب کی وضاحت</li> <li>• تشریح مع امثال</li> <li>• مشقی سوالات</li> </ul> <p>☆ تشریح کرتے ہوئے قرآنی آیات / احادیث / قول / شعری مثالیں دی جائیں۔</p> <ul style="list-style-type: none"> <li>• نظم کا نام۔۔۔۔۔۔ فاطمہ بنت عبد اللہ</li> <li>• شاعر کا نام۔۔۔۔۔۔ علامہ محمد اقبال</li> <li>• حل لغت</li> <li>• تشریح</li> </ul> <p>☆ نظم کی تشریح اور مشقی سوالات کے جوابات اپنے الفاظ میں تحریر کریں۔</p>	<p>دہرائی فاطمہ بنت عبد اللہ (نظم) طلباء اس قابل ہوں گے کہ: ۱۔ نظم کی پڑھائی اور الفاظ کے معانی، مشقی سوالات اور نظم کی تشریح کا اعادہ کر سکیں۔</p>	
<p>☆ اردو قواعد و انشاء 9-10 ☆ صفحات (84، 85، 86، 87) ☆ بورڈ مارکر</p>	<p>کاہلی</p> <p>☆ طلباء اردو قواعد و انشاء میں صفحہ نمبر (84) پر دیے گئے مضامین کے اصول و ضوابط کا بغور مطالعہ کریں</p> <p>☆ اہم نکات: (معنی و مفہوم، جسمانی کاہلی، ذہنی کاہلی، محنت میں عظمت، ترقی کا راز، کوشش و محنت، ترقی یافتہ قومیں)</p> <p>☆ طلباء اہم نکات کی روشنی میں دیے گئے موضوع پر اپنے الفاظ میں مضمون تحریر کریں۔</p> <p>مضمون کو زیادہ اچھا بنانے کے لیے اشعار اور اقوال بھی شامل کر سکتے ہیں، اس سے امتحان میں نمبر زیادہ ملیں گے۔</p>	<p>مضمون نویسی طلباء اس قابل ہوں گے کہ: ۱۔ اصول و ضوابط کو پڑھ سکیں۔ ۲۔ دیے گئے موضوع پر مضمون لکھ سکیں۔</p>	

<p>☆ اردو (لازمی) برائے جماعت دہم ☆ صفحات 148 تا 150 ☆ بورڈ مارکر</p>	<p>☆ غزل کی دہرائی مندرجہ ذیل نکات کی مدد سے کی جائے غزل کے معنی و مفہوم کو سمجھنا۔ ☆ غزل کی پڑھائی اور مشکل الفاظ و تراکیب کے لیے لغت کا استعمال۔ پوری غزل کی تشریح مع امثال / حوالہ جات ☆ مشقی سوالات قافیہ، ردیف، صفحہ نمبر ۱۵۴، ۱۵۵</p>	<p>دہرائی حسرت موہانی طلباء اس قابل ہوں گے کہ: ۱۔ غزل کی پڑھائی اور الفاظ معانی ، مشقی سوالات کے جوابات اور غزل کی تشریح کا اعادہ کر سکیں۔</p>	<p>تیسواں ہفتہ</p>
<p>☆ اردو (لازمی) برائے جماعت دہم ☆ صفحات (۱۵۲ تا ۱۵۴) ☆ بورڈ مارکر</p>	<p>☆ غزل کی دہرائی مندرجہ ذیل نکات کی مدد سے کی جائے غزل کے معنی و مفہوم کو سمجھنا۔ ☆ غزل کی پڑھائی اور مشکل الفاظ و تراکیب کے لیے لغت کا استعمال۔ پوری غزل کی تشریح مع امثال / حوالہ جات ☆ مشقی سوالات قافیہ، ردیف، صفحہ نمبر ۱۵۴، ۱۵۵</p>	<p>دہرائی جگر مراد آبادی طلباء اس قابل ہوں گے کہ: ۱۔ غزل کی پڑھائی اور الفاظ معانی ، مشقی سوالات کے جوابات اور غزل کی تشریح کا اعادہ کر سکیں۔</p>	
<p>☆ اردو قواعد و انشاء 9-10 ☆ صفحات (۱۰۶، ۱۱۶) ☆ بورڈ مارکر</p>	<p>عادت کی خرابی ☆ طلباء اردو قواعد و انشاء کے صفحہ نمبر ۱۰۶ پر کہانی کے اصول و ضوابط کو بغور پڑھیں۔ ☆ صفحہ نمبر ۱۱۶ پر عادت کی خرابی کے اشارات دیے گئے ہیں ان اشارات کو مد نظر رکھ کر طلباء اپنے الفاظ میں کہانی لکھیں۔</p>	<p>کہانی نویسی طلباء اس قابل ہوں گے کہ: ۱۔ کہانی نویسی کے اصول و ضوابط کو پڑھ کر کہانی تحریر کر سکیں۔</p>	

<p>☆ اردو (لازمی) برائے جماعت دہم صفحات ۱۹، ۲۰ ☆ پور ڈمار کر</p>	<p>☆ طلباء جماعت نہم میں جملہ فعلیہ اور جملہ اسمیہ کی ترکیبِ نحوی کر چکے ہیں انہی اصول و ضوابط کو مد نظر رکھتے ہوئے مندرجہ ذیل جملوں کی ترکیبِ نحوی کریں۔</p> <ul style="list-style-type: none"> <li>• پاکستان خوبصورت ملک ہے۔</li> <li>• مالی نے پودوں کو پانی دیا۔</li> <li>• بانگ دراعلامہ اقبال نے لکھی</li> <li>• علی ذہین ہے۔</li> <li>• لڑکوں نے کرکٹ کھیلی۔</li> <li>• کرسی مضبوط ہے۔</li> </ul>	<p>ترکیبِ نحوی طلباء اس قابل ہوں گے کہ:</p> <p>۱۔ مختلف جملوں کی ترکیبِ نحوی کر سکیں۔</p>	
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**APSACS Syllabus Pack SSC X  
Cold & Warm Region  
2020-2021**

**Mathematics**

Resources	Available Time															
<p><b>Prescribed Textbook</b> Mathematics 10 (Science Group) by Ilmi Kitab Khana</p> <p>Authors: Muhammad Habib Ch Asghar Ali Prof. Abdul Rauf Khan Muhammad Moeen</p> <p><b>Resources:</b> Mathematics 10 (Science Group) by Ilmi Kitab Khana</p> <p><b>Prescribed Notebook:</b> Maths Single Line Notebook (Large)/Register</p>	<table border="1"> <thead> <tr> <th data-bbox="1265 651 1581 715">Weeks / Days</th> <th data-bbox="1585 651 1765 715">Class X</th> </tr> </thead> <tbody> <tr> <td data-bbox="1265 718 1581 782"><b>Time available</b></td> <td data-bbox="1585 718 1765 782"><b>35 wks</b></td> </tr> <tr> <td data-bbox="1265 785 1581 849"><b>Study Time</b></td> <td data-bbox="1585 785 1765 849"><b>27 wks</b></td> </tr> <tr> <td data-bbox="1265 852 1581 963"><b>School Assessments</b></td> <td data-bbox="1585 852 1765 963"><b>03 weeks</b></td> </tr> <tr> <td data-bbox="1265 967 1581 1031"><b>Winter Break</b></td> <td data-bbox="1585 967 1765 1031"><b>10 days</b></td> </tr> <tr> <td data-bbox="1265 1034 1581 1145"><b>Revision &amp; Test Series</b></td> <td data-bbox="1585 1034 1765 1145"><b>02 wks</b></td> </tr> <tr> <td colspan="2" data-bbox="1265 1149 1765 1212"><b>Federal Board Examination</b></td> </tr> </tbody> </table>		Weeks / Days	Class X	<b>Time available</b>	<b>35 wks</b>	<b>Study Time</b>	<b>27 wks</b>	<b>School Assessments</b>	<b>03 weeks</b>	<b>Winter Break</b>	<b>10 days</b>	<b>Revision &amp; Test Series</b>	<b>02 wks</b>	<b>Federal Board Examination</b>	
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<b>Federal Board Examination</b>																

**REVIEWED SYLLABUS**  
**MATHEMATICS SSC - II**

<b>Unit 1</b>	<b>Quadratic Equations</b>
Ex. 1.1	Q1(iv, vi); Q2(i, iv, v); Q3(i, ii, iv, vi, vii, viii, ix);
Ex. 1.2	Q1(iii, iv, vii, viii, ix)
Ex. 1.3	Q2; Q4; Q5; Q7; Q9; Q10; Q13; Q14
Ex. 1.4	Q3; Q7; Q8; Q10; Q11
Miscellaneous Ex 1	Q1; Q2; Q3
<b>Unit 2</b>	<b>Theory of Quadratic Equations</b>
Ex. 2.1	Q1(i, iii); Q2(iii, iv); Q3; Q4(ii, iii); Q5; Q6; Q8(ii)
Ex. 2.2	Q1; Q2(ii, iv, vii, viii); Q3; Q5
Ex. 2.3	Q1(i, ii, iv); Q2(i); Q3(i); Q4(ii); Q5(ii, iii); Q6(i)
Ex. 2.4	Q1(ii, iii); Q2(iii, iv)
Ex. 2.5	Q1(c, g, h); Q2(a, c, d, e); Q3(a)
Ex. 2.6	Q1(ii, iii); Q2(ii); Q3(i); Q4(i, iii); Q5(i)
Ex. 2.7	Q1; Q3; Q4; Q5; Q6; Q9
Ex. 2.8	Q2; Q4; Q5; Q6; Q7
Miscellaneous Ex 2	Q1; Q3
<b>Unit 3</b>	<b>Variations</b>
Ex. 3.1	Q1(iii, iv); Q2(i, ii); Q3; Q4; Q6; Q9; Q11(iii, iv)
Ex. 3.2	Q1(i, iii); Q3; Q6; Q7; Q8; Q9
Ex. 3.3	Q1(iii, iv, vi); Q2(ii, iv, v); Q3(iii, iv); Q4(ii, iii)
Ex. 3.4	Q1(i, iv, v, vii); Q2(iii, v, vi, viii, ix)
Ex. 3.5	Q2; Q3; Q5; Q6
Ex. 3.6	Q1(ii, iii, iv, vi); Q2(i, ii)
Ex. 3.7	Q1; Q2; Q6; Q7; Q8
Miscellaneous Ex 3	Q1; Q3
<b>Unit 4</b>	<b>Partial Fractions</b>
Ex. 4.1	Q2; Q3; Q4; Q7; Q8
Ex. 4.2	Q1; Q2; Q4; Q7

Ex. 4.3	Q1; Q4; Q6; Q8
Ex. 4.4	Q1; Q2; Q3
Miscellaneous Ex 4	Q1
<b>Unit 5</b>	<b>Sets and Functions</b>
Ex. 5.1	Q2(i, iv); Q3(i, iii, v); Q4(i, ii, iii, iv); Q5(i)
Ex. 5.2	Q1(ii, iii); Q2; Q3; Q4(i)
Ex. 5.3	Q1(i, v, vi); Q3; Q4(i, iii, iv, v)
Ex. 5.4	Q2; Q3(ii, iii); Q4; Q5(ii, iii)
Ex. 5.5	Q1; Q2; Q4; Q5; Q6(vii, viii)
Miscellaneous Ex 5	Q1; Q2; Q3
<b>Unit 6</b>	<b>Basic Statistics</b>
Ex. 6.1	Q1; Q2; Q4; Q5
Ex. 6.2	Q3; Q6; Q7; Q9; Q10; Q12; Q13
Ex. 6.3	Q4; Q5; Q6; Q7
Miscellaneous Ex 6	Q1
<b>Unit 7</b>	<b>Introduction to Trigonometry</b>
Ex. 7.1	Q1(ii, iii, vi, viii); Q2(i, ii); Q3(ii, v); Q4(ii, iv, v, vii); Q5(ii, v, vii)
Ex. 7.2	Q1(ii); Q2(ii); Q3(ii); Q5; Q10; Q13
Ex. 7.3	Q1(ii, iv); Q2(ii, iv); Q3(ii, iii); Q7; Q8; Q9; Q10; Q12(ii, iii, v, vii, ix, xi)
Ex. 7.4	Q8; Q9; Q11; Q12; Q13; Q16; Q17; Q18; Q20; Q21; Q23; Q24
Ex. 7.5	Q5; Q6; Q7; Q8; Q9; Q10; Q12
Miscellaneous Ex 7	Q1; Q3
<b>Unit 8</b>	<b>Projection of a side of a Triangle</b>
Ex. 8.1	Q1
Ex. 8.2	Q2; Q3
Theorems	Theorem 1; Theorem 2
Miscellaneous Ex 8	Q4; Q6; Q8; Q10
<b>Unit 9</b>	<b>Chords of a Circle</b>
Ex. 9.1	Q3; Q4



Ex. 9.2	Q2; Q3
Theorems	Theorem 1; Theorem 2; Theorem 4
Miscellaneous Ex 9	Q1; Q2
<b>Unit 10</b>	<b>Tangent to a Circle</b>
Ex. 10.1	Q1
Ex. 10.2	Q1; Q2
Theorems	Theorem 3; Theorem 4(A); Theorem 4(B)
Miscellaneous Ex 10	Q1
<b>Unit 11</b>	<b>Chords and Arcs</b>
Ex. 11.1	Q1; Q2;
Theorems	Theorem 1; Theorem 3; Theorem 4
Miscellaneous Ex 11	Q1
<b>Unit 12</b>	<b>Angle in a Segment of Circle</b>
Theorems	Theorem 1; Theorem 3
Miscellaneous Ex 12	Q1
<b>Unit 13</b>	<b>Practical Geometry- Circle</b>
Ex. 13.1	Q3(ii); Q5; Q6
Ex. 13.2	Q1; Q2; Q3; Q6; Q7
Ex. 13.3	Q1; Q2; Q3; Q5; Q6; Q9
Miscellaneous Ex 13	Q1; Q2; Q3

**NOTE:**

- All Class work will be given for revision as H.W.
- The MCQ's Portion of the annual paper will be taken from MCQ's exercise at the end of the chapters: so MCQ's will be done in class by mathematics teacher.

**Block 6: Mathematics Weeks 28-30**

Wks	Time line	Course Content Unit /Chapter/Topics
Week 28	11 Jan – 16 Jan	<b>Unit 6 Basic Statistics</b> 6.3 Measures of Central Tendency 6.4 Measures of Dispersion
Week 29	18 Jan – 23 Jan	<b>Need based Revision</b>  Unit 1 Quadratic Equations Unit 2 Theory of Quadratic Equations
Week 30	25 Jan - 30 Jan	<b>Need based Revision</b>  Unit 3 Variations Unit 4 Partial Fractions

**Syllabus Pack Block 6 (weeks 28-30)**

Week No	Topic/ Objectives	Study Guidelines	Resources
Week 28	<b>Unit 6 Basic Statistics</b>  6.3 Measures of Central Tendency 6.3(i-a) Arithmetic Mean 6.3(i-b) Median 6.3(i-c) Mode 6.3(ii) Properties of Arithmetic Mean 6.3(iii) Calculation of Weighted Mean and Moving Averages	<b><u>Measures of Central Tendency</u></b> Introduce the requirement for a representative of central tendency in the field of statistics i.e. a number around which most of the recurring numbers revolve. The central value is also called average. The techniques/ methods to determine the central value are called Measures of Central Tendency. The measures of central tendency given are: <ul style="list-style-type: none"> <li>• <b>Arithmetic Mean</b></li> <li>• <b>Median</b></li> <li>• <b>Mode</b></li> <li>• Geometric Mean</li> <li>• Harmonic Mean</li> <li>• <b>Quartiles</b></li> </ul>	<ul style="list-style-type: none"> <li>• Mathematics 10 Textbook</li> <li>• Laptop / Tab / Smart Phone</li> <li>• Watch relevant videos on <a href="http://www.sabaq.pk">www.sabaq.pk</a></li> </ul>

	<p>6.3 (iv) Graphical Location of Median, Quartiles and Mode</p> <p>Exercise 6.2 Q3, Q6, Q7, Q9, Q10, Q12 and Q13</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> <li>• Calculate the Arithmetic Mean for a given data</li> <li>• Calculate the Median and Mode for a given data</li> <li>• Comprehend and Apply Properties of Arithmetic Mean</li> <li>• Calculation of Weighted Mean and Moving Averages</li> <li>• Finding Graphical Location of Median, Quartiles and Mode</li> </ul>	<p>The measures written in bold relate to the included questions of Ex 6.2 and will therefore be focused upon. The relevant examples will only be studied to clarify concepts as a reference.</p> <p><b><u>6.3(i-a) Arithmetic Mean: Pgs. 118-123</u></b></p> <ul style="list-style-type: none"> <li>• Go through the basic definition and formula to calculate A.M of n number of observations to relate it with scenarios of real life.</li> <li>• Comprehend the methods computation of Arithmetic Means for Ungrouped and Grouped Data with the help of examples 1 to 5.</li> </ul> <p><b><u>6.3(i-b) Median: Pgs. 123-125</u></b></p> <ul style="list-style-type: none"> <li>• Go through the basic definition and formula to calculate median to relate it with scenarios of real life.</li> <li>• Comprehend the methods calculating of Median for Ungrouped and Grouped Data with the help of examples 1 to 4. It is critical to understand the difference between Discrete and Continuous form of Grouped data as the method of calculation slightly differs as demonstrated by example 3 &amp; 4 for each case.</li> </ul> <p><b><u>6.3(i-c) Mode: Pgs. 125-127</u></b></p> <ul style="list-style-type: none"> <li>• Go through the basic definition and formula to calculate mode to relate it with scenarios of real life. Comprehend the methods calculating of Mode for Ungrouped and Grouped Data (Discrete and Continuous) with the help of examples 1 to 3.</li> </ul> <p><b><u>6.3(ii) Properties of Arithmetic Mean: Pgs. 129-130</u></b></p> <ul style="list-style-type: none"> <li>• Go through the four properties stated and comprehend them by going through examples 1 and 2; where example 1 demonstrates property 1 and examples 2 demonstrates property 2, 3 and 4.</li> </ul>	
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	<p>6.4 Measures of Dispersion                  (i) Range                  (ii) Variance                  (iii) Standard Deviation</p> <p>Exercise 6.3                  Q4, Q5, Q6 &amp; Q7</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> <li>• Calculate the Range for a given data</li> <li>• Calculate the variance and standard deviation for a given data set</li> </ul>	<p><b><u>6.3(iii) Calculation of Weighted Mean and Moving Averages: Pgs. 130-132</u></b></p> <ul style="list-style-type: none"> <li>• The weight is a relative importance of a number. Go through the formula of weighted arithmetic mean followed by example 1 that demonstrates the method of calculation.</li> </ul> <p><b><u>6.4 (iv) Graphical Location of Median, Quartiles and Mode: Pgs. 132-134</u></b></p> <ul style="list-style-type: none"> <li>• Go through the Graphical Location of Median, Quartiles and Mode which are explained through the examples 1 and 2 in the textbook.</li> <li>• Students to do Q3, Q6, Q7, Q9, Q10, Q12 and Q13 of Exercise 6.2 under teacher’s guidance and same may be given may be given as H.W.</li> </ul> <p><b><u>Measures of Dispersion</u></b>                  In basic statistics measures of dispersion hold an equal importance as they specify the spread/ scatter of values from the reference of central value.</p> <p><b><u>Range: Pg. 137</u></b></p> <ul style="list-style-type: none"> <li>• Comprehend that the range specifies the extent of variation between two extremes of the observed data i.e. the minimum and maximum. Go through example 1 and 2 to comprehend the methodology.</li> </ul> <p><b><u>Variance: Pgs. 137-138</u></b></p> <ul style="list-style-type: none"> <li>• Comprehend that the variance is the mean of the squared deviations of observations from their arithmetic mean. Go through example 1 and 2 to comprehend the methodology.</li> </ul> <p><b><u>Standard Deviation: Pgs. 138-141</u></b></p> <ul style="list-style-type: none"> <li>• Comprehend that the standard deviation is a statistic that measures the dispersion of a dataset relative to its mean and is calculated as the square root of the variance.</li> </ul>	
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		<ul style="list-style-type: none"> <li>• Go through examples 3, 4 and 5 that demonstrate calculation of variance and standard deviations for group and ungrouped data.</li> <li>• Students to do Q4, Q5, Q6 &amp; Q7 of Exercise 6.3 and Q1 of Misc. Ex under teacher's guidance and same may be given as H.W.</li> </ul>	
<b>Week 29</b>	<p style="text-align: center;"><b>Need based Revision</b></p> <p><b>Students will go through a thorough interactive discussion/ problem solving and revision session for Chapters 1 and 2 along the lines of exam preparation (focused and limited to the content given in the reduced syllabus i.e.</b></p> <p><b>Unit 1 Quadratic Equations</b></p> <p>Ex. 1.1      Q1(iv, vi); Q2(i, iv, v); Q3(i, ii, iv, vi, vii, viii, ix);</p> <p>Ex. 1.2      Q1(iii, iv, vii, viii, ix)</p> <p>Ex. 1.3      Q2; Q4; Q5; Q7; Q9; Q10; Q13; Q14</p> <p>Ex. 1.4      Q3; Q7; Q8; Q10; Q11</p> <p>Miscellaneous Ex 1 Q1; Q2; Q3</p> <p><b>Unit 2 Theory of Quadratic Equations</b></p> <p>Ex. 2.1      Q1(i, iii); Q2(iii, iv); Q3; Q4(ii, iii); Q5; Q6; Q8(ii)</p> <p>Ex. 2.2      Q1; Q2(ii, iv, vii, viii); Q3; Q5</p> <p>Ex. 2.3      Q1(i, ii, iv); Q2(i); Q3(i); Q4(ii); Q5(ii, iii); Q6(i)</p> <p>Ex. 2.4      Q1(ii, iii); Q2(iii, iv)</p> <p>Ex. 2.5      Q1(c, g, h); Q2(a, c, d, e); Q3(a)</p> <p>Ex. 2.6      Q1(ii, iii); Q2(ii); Q3(i); Q4(i, iii); Q5(i)</p> <p>Ex. 2.7      Q1; Q3; Q4; Q5; Q6; Q9</p> <p>Ex. 2.8      Q2; Q4; Q5; Q6; Q7</p> <p>Miscellaneous Ex 2 Q1; Q3</p>		

<b>Week 30</b>	<b>Need based Revision</b>
	<p><b>Students will go through a thorough interactive discussion/ problem solving and revision session for Chapters 3 and 4 along the lines of exam preparation (focused and limited to the content given in the reduced syllabus i.e.</b></p>
	<p><b>Unit 3 Variations</b></p>
	Ex. 3.1      Q1(iii, iv); Q2(i, ii); Q3; Q4; Q6; Q9; Q11(iii, iv)
	Ex. 3.2      Q1(i, iii); Q3; Q6; Q7; Q8; Q9
	Ex. 3.3      Q1(iii, iv, vi); Q2(ii, iv, v); Q3(iii, iv); Q4(ii, iii)
	Ex. 3.4      Q1(i, iv, v, vii); Q2(iii, v, vi, viii, ix)
	Ex. 3.5      Q2; Q3; Q5; Q6
	Ex. 3.6      Q1(ii, iii, iv, vi); Q2(i, ii)
	Ex. 3.7      Q1; Q2; Q6; Q7; Q8
	Miscellaneous Ex 3 Q1; Q3
	<p><b>Unit 4 Partial Fractions</b></p>
	Ex. 4.1      Q2; Q3; Q4; Q7; Q8
	Ex. 4.2      Q1; Q2; Q4; Q7
	Ex. 4.3      Q1; Q4; Q6; Q8
	Ex. 4.4      Q1; Q2; Q3
	Miscellaneous Ex 4 Q1

Session (2020-2021)  
**APSACS Syllabus Pack SSC X**  
**Cold & Warm Region**  
**2020-2021**

**Physics**

Resources	Available Time														
<p><b>Prescribed Textbook</b>                      Physics 10, Malik Sirajuddin &amp; Sons, Lahore</p> <p>Authors:                      Dr. Azmat Iqbal                      Dr. Ghulam Murtaza</p> <p><b>Prescribed Notebook:</b>                      Single Lined Notebook (Large)/Register                      Practical Notebook</p>	<table border="1" style="width: 100%; border-collapse: collapse; margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="width: 60%;">Weeks / Days</th> <th style="width: 40%;">Class X</th> </tr> </thead> <tbody> <tr> <td>Time available</td> <td style="text-align: center;">34 wks</td> </tr> <tr> <td>Study Time</td> <td style="text-align: center;">27+ wks</td> </tr> <tr> <td>School Assessments</td> <td style="text-align: center;">02 weeks &amp; 04 days</td> </tr> <tr> <td>Winter Break</td> <td style="text-align: center;">10 days</td> </tr> <tr> <td>Revision &amp; Test Series</td> <td style="text-align: center;">02 wks</td> </tr> <tr> <td colspan="2" style="text-align: center;">Federal Board Examination</td> </tr> </tbody> </table>	Weeks / Days	Class X	Time available	34 wks	Study Time	27+ wks	School Assessments	02 weeks & 04 days	Winter Break	10 days	Revision & Test Series	02 wks	Federal Board Examination	
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Time available	34 wks														
Study Time	27+ wks														
School Assessments	02 weeks & 04 days														
Winter Break	10 days														
Revision & Test Series	02 wks														
Federal Board Examination															

**PHYSICS SSC-II**  
**Reduced Syllabus**

**NOTE:**

- All conceptual questions and side information are excluded.
- Only topic based related MCQs, Short and Long Questions and numerical are included.

**UNIT 10      SIMPLE HARMONIC MOTION AND WAVES**

- 10.1 Simple Harmonic Motion (Mass Attached with spring, Motion of simple Pendulum only)
- 10.3 Wave Motion
- 10.4 Types of mechanical waves

**UNIT 11      SOUND**

- 11.1 Sound Waves
  - 11.2 Characteristic of sound(Loudness,pitch,quality,intensity,intensity level)
  - 11.3 Reflection of sound (Echo)
  - 11.4 Speed of sound (Measuring speed of sound by Echo Method is excluded)
  - 11.7 Audible frequency range
  - 11.8 Ultra sound
- (Tables:      11.1, 11.2 are included)

**UNIT 12      GEOMETRICAL OPTICS**

All theory topics from 12.1 -12.10

**UNIT13      ELECTROSTATICS**

- 13.1 Production of electric charges
- 13.2 Electrostatic induction
- 13.4 Coulomb's Law
- 13.5 Electric Field and electric intensity
- 13.6 Electrostatic Potential
- 13.7 Capacitors and capacitance



**Subject: Physics– X**

**Session (2020-2021)**

**UNIT 14 CURRENT ELECTRICITY**

All theory topics from 14.1-14.11

**UNIT 15 ELECTROMAGNETISM**

- 15.1 Magnetism effects of steady current
- 15.5 electromagnetic induction
- 15.6 Direction of induced emf, Lenz's law
- 15.8 Mutual induction
- 15.9 Transformer

**UNIT 16 BASIC ELECTRONICS**

- 16.1 Thermionic emission
- 16.2 Investigating the properties of electron
- 16.4 Analog and Digital electronics
- 16.5 Basic operation of digital electronics
- 16.6 -16.10 All Logic gates

**UNIT 18 ATOMIC AND NUCLEAR PHYSICS**

18.1-18.9 (all theory topics)

**PHYSICS – SSC**  
**LIST OF PRACTICALS**

**SECTION-B**

1. To study the effect of the length of simple pendulum on its time period and hence find "g" by calculation.
2. To verify the laws of refraction by using a glass slab.
3. To find the refractive index of water by using concave mirror.
4. To trace the path of a ray of light through glass prism and measure the angle of deviation.
5. To verify the truth table of OR, AND, NOT, NOR and NAND gates.

**Block 6: Physics Weeks 28-30**

Wks	Time line	Course Content Unit /Chapter/Topics
Week 28	11 Jan – 16 Jan	<b>Need based Revision</b>  UNIT 12 GEOMETRICAL OPTICS
Week 29	18 Jan – 23 Jan	<b>Need based Revision</b>  UNIT13 ELECTROSTATICS
Week 30	25 Jan - 30 Jan	<b>Need based Revision</b>  UNIT 14 CURRENT ELECTRICITY

**Syllabus Pack Block 6 (weeks 28-30)**

Week No	Topic/ Objectives	Study Guidelines	Resources
Week 28		<b>Need based Revision</b>	
	<p><b>Students will go through a thorough interactive discussion/ problem solving and revision session for Unit 12 “Geometrical Optics” along the lines of exam preparation (focused and limited to the content given in the reduced syllabus i.e.</b></p> <p>All theory topics from 12.1 -12.10</p>		
Week 29		<b>Need based Revision</b>	
	<p><b>Students will go through a thorough interactive discussion/ problem solving and revision session for Unit 13 “Electrostatics” along the lines of exam preparation (focused and limited to the content given in the reduced syllabus i.e.</b></p> <p>13.3 Production of electric charges 13.4 Electrostatic induction 13.8 Coulomb’s Law 13.9 Electric Field and electric intensity 13.10 Electrostatic Potential 13.11 Capacitors and capacitance</p>		

**Week 30**

**Need based Revision**

**Students will go through a thorough interactive discussion/ problem solving and revision session for Unit 14 “Current Electricity” along the lines of exam preparation (focused and limited to the content given in the reduced syllabus i.e.**

All theory topics from 14.1-14.11

**APSACS Syllabus Pack SSC X  
Cold & Warm Region  
2020-2021**

**Chemistry**

Resources	Available Time												
<p><b>Prescribed Textbook</b></p> <ul style="list-style-type: none"> <li>• Textbook of Chemistry Grade 10 National Book Foundation Islamabad As Federal Textbook Board- Islamabad</li> <li>• Practical Notebook Chemistry Class 10</li> </ul> <p><b>Prescribed Notebook:</b> Single-lined notebook (large)/Register</p>	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Weeks / Days</th> <th style="text-align: center;">Class X</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Time available</td> <td style="text-align: center;">34 wks</td> </tr> <tr> <td style="text-align: center;">Study Time</td> <td style="text-align: center;">27 wks</td> </tr> <tr> <td style="text-align: center;">School Assessments</td> <td style="text-align: center;">03 wks</td> </tr> <tr> <td style="text-align: center;">Syllabus completion + Revision + Test Series</td> <td style="text-align: center;">02wks</td> </tr> <tr> <td style="text-align: center;">Pre Board Exams</td> <td style="text-align: center;">03 wks</td> </tr> </tbody> </table>	Weeks / Days	Class X	Time available	34 wks	Study Time	27 wks	School Assessments	03 wks	Syllabus completion + Revision + Test Series	02wks	Pre Board Exams	03 wks
Weeks / Days	Class X												
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School Assessments	03 wks												
Syllabus completion + Revision + Test Series	02wks												
Pre Board Exams	03 wks												

## Reduced Syllabus Chemistry SSC-II

**NOTE:** Side Boxes like (Society, Technology and Science, Do you know, Science, Tit Bits) are excluded from the syllabus, it is obvious that the topics which are excluded questions relevant in the exercises are omitted.

### **Chapter 9: Chemical Equilibrium**

Reversible reaction and dynamic equilibrium, Law of mass action and its derivation, equilibrium constant and its unit, Importance of equilibrium constant.

**Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.**

### **Chapter 10: Acid, Bases, and salt**

Concept of Acid and bases, Arrhenius, Lowry and Bronsted-Lowry, Lewis concept of acid and bases, pH scale, Salts, Uses of salts.

**Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.**

### **Chapter 11: Organic Chemistry**

Organic compound, Chemical diversity and magnitude of organic compound, general characteristic of organic compound, condensed and structural formula, saturated and unsaturated hydrocarbon, Naming alkane, sources, and uses of organic compound, alkane and alkyl radical, classification of organic compound, functional group (complete topic).

**Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.**

### **Chapter 12: Hydrocarbon**

Hydrocarbon and its types, Alkane, preparation of alkanes, Properties of alkanes, Alkene, preparation of alkene, Properties of alkenes, Alkynes, preparation of alkynes, Properties of alkynes.

**Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.**

### **Chapter 13: Biochemistry**

Carbohydrates and its types, sources and uses of carbohydrates, nucleic acid, DNA, RNA, Vitamin and Types of Vitamin.

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**Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.**

### **Chapter 14: Environmental Chemistry**

Layers of atmosphere, Air pollutants, Effect and sources of air pollutant, Global warming, acid rain and its effects, Ozone depletion and its effect.

**Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.**

### **Chapter 15 Environmental Chemistry II Water**

Topics: Soft and Hard water, Types of soft and hard water, Methods of removing hardness of water, Water borne diseases.

**Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.**

### **Chapter 16 Chemical Industries**

Topics: Basic metallurgical operation, Solvay process, Urea, Fractional distillation of petroleum.

**Note: Topic related self-assessments, review exercise and think tank questions are included. Side boxes and Society, science and technology are not included.**

#### **NOTE:**

- **It is obvious that questions of topics not mentioned above are not included in exam.**
- **Paper will be curriculum based not book based.**

## **REVIEWED LIST OF PRACTICALS**

### **CHEMISTRY-SSC**

#### **Physical States of Matter**

Determine the Melting Point of Naphthalene. Major Determine the Boiling Point of Ethyl Alcohol. **Major**

Separate naphthalene from the given mixture of sand and naphthalene by sublimation. **Major**

#### **Solutions**

Prepare 100 cm<sup>3</sup> of 0.1M NaOH solution. Major Prepare 250 cm<sup>3</sup> of 0.1M HCl solution. **Major**

Prepare 100 cm<sup>3</sup> of 0.1M NaOH solution from the given 1M solution. **Major**

Prepare 100 cm<sup>3</sup> of 0.01M HCl solution from the given 0.1M solution. **Major**

Prepare 100 cm<sup>3</sup> of 0.01M oxalic acid solution from the given 0.1M solution. **Major**

Prepare pure Copper Sulphate crystals from the given impure sample. **Minor**

Demonstrate that temperature affects solubility. **Minor**

#### **Electrochemistry**

Demonstrate the conductivity of different given solutions. **Minor**

#### **Chemical Reactivity**

Demonstrate that an element and a compound can react to form a different element and a

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different compound. **Minor**

Demonstrate that some chemical reactions absorb energy. **Minor**

**Acids, Bases and Salts**

Identify sodium, calcium, strontium, barium, copper, potassium radicals by flame test. **Minor**

Standardize the given NaOH solution volumetrically. **Major** Standardize the given HCl solution volumetrically. **Major**

Determine the exact molarity of the Na<sub>2</sub>CO<sub>3</sub> solution volumetrically. **Major**

Classify substances as acidic, basic or neutral **Minor**

**Organic Chemistry**

Identify aldehydes using Fehling's test and Tollen's test. **Major**

Identify carboxylic acids using sodium carbonate test. **Major** Identify Phenol using Ferric Chloride test. **Major**

**Hydrocarbon**

Identify saturated and unsaturated organic compounds by KMnO<sub>4</sub> test. **Minor**

**Water**

- Demonstrate the softening of water by removal of calcium ions from hard water. **Major**

**Block 6: Chemistry Weeks 28-30**

Wks	Time line	Course Content Unit /Chapter/Topics
Week 28	Jan 11- Jan 16	<b>Chapter 10:</b> <b><u>Acid, Bases, and salt</u></b> Recapitulation and revision of the topics and Exercise
Week 29	Jan 18- Jan 23	<b>Chapter 11:</b> <b><u>Organic Chemistry</u></b> Recapitulation and revision of the topics and Exercise
Week 30	Jan 25- Jan 30	<b>Chapter 12:</b> <b><u>Hydrocarbon</u></b> Recapitulation and revision of the topics and Exercise

**Syllabus Pack Block 6 (weeks 28-30)**

Week No	Topic/ Objectives	Study Guidelines	Resources
Week 28	<p><b>Chapter 10:</b> <b><u>Acid, Bases, and salt</u></b> <b>(Revision of all topics and sub topics of the chapter as per reduced syllabus by FBISE )</b></p> <ul style="list-style-type: none"> <li>Recapitulation and revision of the topics of chapter 10</li> <li>Practice of solving board papers and attempting questions from chapter 10</li> </ul> <p>Objectives: <b>Students will be able to:</b></p> <ul style="list-style-type: none"> <li>revise all the topics of the chapter 10</li> <li>learn the specific topics that needs further guidance</li> <li>attempt all topics related</li> </ul>	<p><b><u>Explanation and Discussion:</u></b></p> <ul style="list-style-type: none"> <li>Revision of all the topics included in chapter 10</li> <li>Discussion on the specific topics that needs further clarification/ explanation</li> <li>Preparation of class tests to provide a more interactive way of learning</li> <li>Students to do all topic related exercise questions of chapter independently</li> <li>Students to discuss their problems/ difficulties related to the chapter with teacher.</li> <li>Summarize the concepts of the chapter through flow sheet diagram of concepts in brief</li> <li>Written practice of All topic related questions from exercise</li> <li>Group/Pair discussion to reinforce the concepts that have been learnt.</li> <li>Practice of solving previous years Board papers</li> </ul>	<ul style="list-style-type: none"> <li>Textbook of Chemistry Grade 10 National Book Foundation as Federal Textbook Board-Islamabad</li> <li>Board</li> <li>Marker</li> <li>Available A/V Aids</li> <li>reliable websites for relevant information</li> </ul>



Week No	Topic/ Objectives	Study Guidelines	Resources
	<p>questions from past papers</p> <ul style="list-style-type: none"> <li>• discuss their problems/ difficulties related to the chapters with teacher</li> <li>• present any given topic in the class</li> </ul>		
Week 29	<p><b>Chapter 11:</b> <b>Organic Chemistry</b> <b>(Revision of all topics and sub topics of the chapter as per reduced syllabus by FBISE )</b></p> <ul style="list-style-type: none"> <li>• Recapitulation and revision of the topics of chapter 11</li> <li>• Practice of solving board papers and attempting questions from chapter 11</li> </ul> <p><b>Practical</b> Revision and Practice of Practical as per students' need</p> <p>Objectives: <b>Students will be able to:</b></p> <ul style="list-style-type: none"> <li>• revise all the topics of the chapter 11</li> <li>• learn the specific topics that needs further guidance</li> <li>• attempt all topics related questions from past papers</li> <li>• discuss their problems/ difficulties related to the chapters with teacher</li> <li>• present any given topic in the class</li> </ul>	<p><b>Explanation and Discussion:</b></p> <ul style="list-style-type: none"> <li>• Revision of all the topics included in chapter 11</li> <li>• Discussion on the specific topics that needs further clarification/ explanation</li> <li>• Students to do all topic related exercise questions of chapter independently</li> <li>• Students to discuss their problems/ difficulties related to the chapter with teacher.</li> <li>• Summarize the concepts of the chapter through flow sheet diagram of concepts in brief</li> <li>• Written practice of all topic related questions from exercise</li> <li>• Group/Pair discussion to reinforce the concepts that have been learnt.</li> <li>• Practice of solving previous years Board papers</li> </ul>	<ul style="list-style-type: none"> <li>• Textbook of Chemistry Grade 10 National Book Foundation as Federal Textbook Board-Islamabad</li> <li>• Practical Notebook Chemistry Class 10</li> <li>• Board</li> <li>• Marker</li> <li>• Available A/V Aids</li> <li>• reliable websites for relevant information</li> </ul>

Week No	Topic/ Objectives	Study Guidelines	Resources
	<ul style="list-style-type: none"> <li>perform practical as required</li> </ul>		
Week 30	<p><b>Chapter 12:</b> <b>Hydrocarbon</b> <b>(Revision of all topics and sub topics of the chapter as per reduced syllabus by FBISE )</b></p> <ul style="list-style-type: none"> <li>Recapitulation and revision of the topics of chapter 12</li> <li>Practice of solving board papers and attempting questions from chapter 12</li> </ul> <p><b>Practical</b> Revision and Practice of Practical as per students' need</p> <p>Objectives: <b>Students will be able to:</b></p> <ul style="list-style-type: none"> <li>revise all the topics of the chapter 12</li> <li>learn the specific topics that needs further guidance</li> <li>attempt all Topics related questions from past papers</li> <li>discuss their problems/ difficulties related to the chapters with teacher</li> <li>present any given topic in the class</li> <li>perform practical as required</li> </ul>	<p><b>Explanation and Discussion:</b></p> <ul style="list-style-type: none"> <li>Revision of all the topics included in chapter 12</li> <li>Discussion on the specific topics that needs further clarification/ explanation</li> <li>Preparation of tests to provides a more interactive way of learning</li> <li>Students to do all topic related exercise questions of chapter independently</li> <li>Students to discuss their problems/ difficulties related to the chapter with teacher.</li> <li>Summarize the concepts of the chapter through flow sheet diagram of concepts in brief</li> <li>Written practice of All topic related questions from exercise</li> <li>Group/Pair discussion to reinforce the concepts that have been learnt.</li> <li>Practice of solving previous years Board papers</li> </ul>	<ul style="list-style-type: none"> <li>Textbook of Chemistry Grade 10 National Book Foundation as Federal Textbook Board-Islamabad</li> <li>Practical Notebook Chemistry Class 10</li> <li>Board</li> <li>Marker</li> <li>Available A/V Aids</li> <li>reliable websites for relevant information</li> </ul>

**APSACS Syllabus Pack SSC X  
Cold & Warm Region  
2020-2021**

**Biology**

Resources	Available Time	
<p><b>Prescribed Textbook</b></p> <p><b>Biology 10</b> PLD Publishers, Lahore</p> <p><b>Practical Notebook Biology Class 10</b></p> <p><b>Prescribed Notebook:</b> Single-lined notebook (large)/Register</p>	<b>Weeks / Days</b>	<b>Class X</b>
	<b>Time available</b>	<b>34 wks</b>
	<b>Study Time</b>	<b>27wks</b>
	<b>School Assessments</b>	<b>03 wks</b>
	<b>Winter Break</b>	<b>10 days</b>
	<b>Syllabus completion + Revision + Test Series</b>	<b>02 wks</b>
	<b>Pre board Exams</b>	<b>03 wks</b>

**REDUCED SYLLABUS  
BIOLOGY SSC-II**

**NOTE:**

1. Only topic based relevant MCQs, Short and Long Questions are included.
2. All information in side boxes is excluded.

<b>Ch. #</b>	<b>Chapter Name</b>	<b>Topics Included</b>
10	Gaseous Exchange	Gaseous Exchange in Plants (page 2-3) Gaseous Exchange in Humans (4-6) The Lungs (6) Mechanism of Breathing (7)
11	Homeostasis	Osmotic Adjustment in plants (20-21) Urinary System of Human Structure of Kidney, Functioning of Kidney, Osmoregulatory Function of the Kidney (22-26) Dialysis (27-28)
12	Coordination and Control	Types of Coordination (Coordination Action Excluded) (33) Human Nervous System (34-41) Receptors in Humans, Eye (42-43) Ear (45-46) Endocrine System (47-51)
13	Support and Movement	Human Skeleton (57) Bone and Cartilage (58-60) Components of Human Skeleton (60) Types of Joints (62-63) Muscles and Movement (63-64)

**Subject: Biology– X****Session (2020-2021)**

14	Reproduction	Reproduction (70) Methods of Asexual Reproduction (70-75) Binary Fission, Fragmentation, Budding, Spore Formation, Parthenogenesis, Vegetative Propagation (natural and Artificial Vegetative Propagation Excluded) Sexual reproduction in plants (78) Sexual Reproduction in Flowering Plants (78-81) Pollination and Its Types Sexual Reproduction in Animals (84) Formation of Gametes (84-85) Reproduction in Rabbit (87-88)
15	Inheritance	Introduction to Genetics (94) Chromosome and Genes (94-98) Mendel's Laws of Inheritance (90-101)
16	Man and His Environment	Components of Ecosystem (114) Biogeochemical Cycles (119-121) Interactions in Ecosystems (122-125)
17	Biotechnology	Introduction to Biotechnology (138) Fermentation (139-140) Genetic Engineering (144-147)
18	Pharmacology	Medicinal Drugs (150-151) Antibiotics and Vaccines (155-156)

**List of Practical**

**1. Introduction to Biology**

1. Study of different types of bacteria with the help of prepared slides and of *Amoeba*, *Paramecium*, *Volvox* from prepared slides/ fresh culture/charts

**4. Cells and Tissues**

3. Examination under the microscope an animal cell (e.g. from frog's blood) and a plant cell (e.g. from onion epidermis), using an appropriate temporary staining technique, such as iodine or methylene blue

**5. Cell Cycle**

7. Observation of various stages of mitosis and meiosis by slides, model and charts

**7. Bioenergetics**

10. Demonstration of the process of photosynthesis using an aquatic plant, like *Hydrilla*

**8. Nutrition**

15. Food tests: Benedict's test for reducing sugar, iodine test for starch, spot test and emulsion test for fat, and Biuret test for protein in solution

16. Microscopic examination of a transverse section of the small intestine to show the villi

**9. Transport**

19. Investigation of the rate of water loss at the two surfaces of a leaf by a simple Experiment using cobalt chloride paper

20. Investigation of transpiration in potted plant under a bell jar

22. Identification of red and white blood cells under the light microscope on prepared slides and in diagrams and photomicrographs

23. Investigation of the effect of physical activity on pulse rate

**10. Gaseous Exchange**

24. Activity to compare the breathing rate at rest and after exercise

26. Demonstration of the presence of tar in cigarette smoke and also by charts Showing pictures of lungs of smokers and nonsmokers

**11. Homeostasis**

27. Examination of the structure of kidney (sheep kidney/model)

**12. Coordination in Man**

28. Study of human eye, ear and brain

**14. Reproduction**

30. Observation of binary fission of amoeba using slides, photomicrographs or charts

31. Observation of budding in yeast from prepared slides

32. Examination of a bulb (onion), corn (*Edocasia*), rhizome (ginger) or stem tuber (potato) and its cultivation to get new plant

**Block 6: Biology Weeks 28-30**

Wks	Time line	Course Content Unit /Chapter/Topics
Week 28	Jan 11- Jan 16	<b>Chapter 14</b> <b>Reproduction</b> Recapitulation and revision of the topics and Exercise
Week 29	Jan 18- Jan 23	<b>chapter 15</b> <b>Inheritance</b> Recapitulation and revision of the topics and Exercise
Week 30	Jan 25- Jan 30	<b>chapter 16</b> <b>Man and His Environment</b> Recapitulation and revision of the topics and Exercise

**Syllabus Pack Block 6 (weeks 28-30)**

Week No	Topic/ Objectives	Study Guidelines	Resources
Week 28	<p><b>Chapter 14:</b> <b>Reproduction</b> <b>(Revision of all topics and sub topics of the chapter as per reduced syllabus by FBISE )</b></p> <ul style="list-style-type: none"> <li>Recapitulation and revision of the topics of chapter 14</li> <li>Practice of solving board papers and attempting questions from chapter 14</li> </ul> <p><b>Objectives:</b> <b>Students will be able to</b></p> <ul style="list-style-type: none"> <li>recapitulate and revise the previously taught topics of</li> </ul>	<p><b>Discussion and Explanation:</b></p> <ul style="list-style-type: none"> <li>Recapitulate the previously taught topics of chapters 14</li> <li>➤ Explanation of difficult topics , terminologies and tables given in these chapters using relevant A/V Aids and different teaching strategies as per requirement</li> <li>➤ Preparation of relevant Worksheets to be solved by students</li> <li>➤ Supervision and guidance of students during practical work</li> <li>➤ Written practice of All topic related questions from exercise with practice of necessary drawings and webs.</li> <li>➤ Discussion and guidance to students about attempting board papers and answering the questions related to the chapters</li> </ul>	<ul style="list-style-type: none"> <li>Biology 10 PLD Publishers, Lahore</li> <li>Board</li> <li>Marker</li> <li>Relevant and recommended websites by the teacher</li> </ul>

Week No	Topic/ Objectives	Study Guidelines	Resources
	chapter14 <ul style="list-style-type: none"> <li>• describe and explain the topics included in chapters 14</li> <li>• answer all the questions related to the topics in exercise and developed by the teacher</li> <li>• describe and explain the different terminologies used in the chapters</li> <li>• write answers as required in board papers</li> </ul>		
Week 29	<p><b><u>Chapter 15:</u></b> <b><u>Inheritance</u></b> <b>(Revision of all topics and sub topics of the chapter as per reduced syllabus by FBISE )</b></p> <ul style="list-style-type: none"> <li>• Recapitulation and revision of the topics of chapter 15 Practice of solving board papers and attempting questions from chapter 15</li> </ul> <p><b><u>Practical</u></b> Revision and Practice of Practical as per students' need</p>	<p><b><u>Discussion and Explanation:</u></b></p> <ul style="list-style-type: none"> <li>• Recapitulate the previously taught topics of chapter15</li> <li>➤ Explanation of difficult topics , terminologies and tables given in the chapter using relevant A/V Aids and different teaching strategies as per requirement</li> <li>➤ Preparation of relevant Worksheets by teacher to be solved by students</li> <li>➤ Discussion and guidance to students about attempting board papers and answering the questions related to the chapters</li> <li>➤ Written practice of All topic related questions from exercise with practice of necessary drawings and webs.</li> <li>➤ Supervision and guidance of students during practical work</li> </ul>	<ul style="list-style-type: none"> <li>• Biology 10 PLD Publishers, Lahore</li> <li>• Practical Notebook for 9 &amp; 10 class</li> <li>• Board</li> <li>• Marker</li> <li>• Available A/V aids</li> <li>• Relevant and recommended websites by the teacher</li> </ul>



Week No	Topic/ Objectives	Study Guidelines	Resources
	<p><b>Objectives:</b>  <b>Students will be able to</b></p> <ul style="list-style-type: none"> <li>• recapitulate and revise the previously taught topics of chapter 15</li> <li>• describe and explain the topics included in chapter15</li> <li>• answer all the questions related to the topics in exercise and developed by the teacher</li> <li>• describe and explain the different terminologies used in the chapters</li> <li>• write answers as required in board papers</li> <li>• perform and describe practical as required</li> </ul>		
Week 30	<p><b>Chapter 16:</b>  <b>Man and His Environment (Revision of all topics and sub topics of the chapter as per reduced syllabus by FBISE )</b></p> <ul style="list-style-type: none"> <li>• Recapitulation and revision of the topics of chapter 16</li> <li>• Practice of solving board papers and attempting questions from chapter 16</li> </ul> <p><b>Practical</b>  Revision and Practice of Practical as per students' need</p>	<p><b>Explanation and Discussion:</b></p> <ul style="list-style-type: none"> <li>• Recapitulate the previously taught topics of chapter16</li> <li>➤ Explanation of difficult topics , terminologies and tables given in the chapter using relevant A/V Aids and different teaching strategies as per requirement</li> <li>➤ Preparation of relevant Worksheets by teacher to be solved by students</li> <li>➤ Discussion and guidance to students about attempting board papers and answering the questions related to the chapters</li> <li>➤ Written practice of all topic related questions from exercise with practice of necessary drawings and webs.</li> <li>➤ Supervision and guidance of students during practical work</li> </ul>	<ul style="list-style-type: none"> <li>• Biology 10 PLD Publishers, Lahore</li> <li>• Board</li> <li>• Marker</li> <li>• Relevant and recommended websites by the teacher</li> </ul>

Week No	Topic/ Objectives	Study Guidelines	Resources
	<p><b><u>Objectives:</u></b> <b>Students will be able to</b></p> <ul style="list-style-type: none"><li>• recapitulate and revise the previously taught topics of chapter 16</li><li>• describe and explain the topics included in chapter</li><li>• answer all the questions related to the topics in exercise and developed by the teacher</li><li>• describe and explain the different terminologies used in the chapters</li><li>• write answers as required in board papers</li><li>• perform and describe practical as required</li></ul>		

**APSACS Syllabus Pack SSC X  
Cold & Warm Region  
2020-2021**

**Computer Science**

Resources	Available Time															
<p><b>Prescribed Textbook</b> A Text book of Computer Science Grade-10 National Book Foundation as Federal Textbook Board Islamabad</p> <p>Authors: Muhammad SajjadHaider MS (Computer Science), , USA, BE(Mechanical Engineering), Korea Muhammad Khalid MS (Computer Science ), B.Ed , University of Peshawar ,Pakistan</p> <p><b>Resources:</b></p> <ul style="list-style-type: none"> <li>• Text book of Computer Science Grade-10 National Book Foundation as Federal Textbook Board Islamabad</li> <li>• Star Practical Notebook for Class X <b>Prescribed</b></li> </ul> <p><b>Notebook:</b></p> <ul style="list-style-type: none"> <li>• Single-lined notebook (large)</li> </ul>	<table border="1"> <thead> <tr> <th style="text-align: center;">Weeks / Days</th> <th style="text-align: center;">Class X</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><b>Total available</b></td> <td style="text-align: center;"><b>34 wks</b></td> </tr> <tr> <td style="text-align: center;"><b>Study Time</b></td> <td style="text-align: center;"><b>27wks</b></td> </tr> <tr> <td style="text-align: center;"><b>School Assessments</b></td> <td style="text-align: center;"><b>03 wks</b></td> </tr> <tr> <td style="text-align: center;"><b>Revision + Test Series</b></td> <td style="text-align: center;"><b>02 wks</b></td> </tr> <tr> <td style="text-align: center;"><b>Pre Board Exam</b></td> <td style="text-align: center;"><b>03 wks</b></td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Federal Board Examination</b></td> </tr> </tbody> </table>		Weeks / Days	Class X	<b>Total available</b>	<b>34 wks</b>	<b>Study Time</b>	<b>27wks</b>	<b>School Assessments</b>	<b>03 wks</b>	<b>Revision + Test Series</b>	<b>02 wks</b>	<b>Pre Board Exam</b>	<b>03 wks</b>	<b>Federal Board Examination</b>	
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<b>Federal Board Examination</b>																

## List of Topics for Theory

**Unit 01:** Programming Techniques (complete chapter) •

**Unit 02;**Programming in C (reduced chapter)

➤ 2.2 Programming environment (Included)

➤ 2.3 Programming Basics (Included)

➤ 2.4 Constants and Variables (Included) •

**Unit 03:** Input and Output Handling (complete chapter) •

**Unit 04:** Conditional Control Structure (complete chapter) •

**Unit 05:** Loop Control Structure (complete chapter) •

**Unit 06:** Computer Logic and Gates (complete chapter) •

**Unit 07:** Skipped whole chapter in theory

**Block 6: Computer Science Weeks 28-30**

Wks	Time line	Course Content Unit /Chapter/Topics
Week 28	Jan 11- Jan 16 (Revision)	<b>Revision of Chapter # 1: Programming Techniques</b> <ul style="list-style-type: none"> <li>• Understanding the problem</li> <li>• Understanding the problem</li> <li>• Algorithm</li> <li>• Flowchart</li> <li>• Relevant Questions of the exercise at the end of chapter</li> </ul> <b>Revision of Chapter # 2 : Programming in C</b> <ul style="list-style-type: none"> <li>• Introduction to computer programming</li> <li>• Characteristics of high level languages</li> <li>• Popular high level languages</li> <li>• Compiler and Interpreter</li> <li>• Programming Environment</li> <li>• Integrated development environment</li> <li>• programming environment of C language</li> <li>• Programming Basics <ul style="list-style-type: none"> <li>• Language Character Set</li> <li>• Reserved words</li> <li>• Header files</li> </ul> </li> <li>• Structured of a C program</li> <li>• Comments in C language</li> <li>• Constants and Variables</li> <li>• Relevant Questions of the exercise at the end of chapter</li> </ul>
Week 29	Jan 18- Jan 23 (Revision)	<b>Revision of Chapter # 3: Input and output handling</b> <ul style="list-style-type: none"> <li>• Input and output functions</li> <li>• Statement terminator</li> <li>• Format specifiers</li> <li>• Escape Sequence</li> <li>• Operators of C- language</li> </ul>

<b>Wks</b>	<b>Time line</b>	<b>Course Content</b> Unit /Chapter/Topics
		<ul style="list-style-type: none"> <li>• Relevant Questions of the exercise at the end of chapter</li> </ul> <b>Revision of Chapter #4: Conditional Control Structure</b> <ul style="list-style-type: none"> <li>• Control structure</li> <li>• Structure of IF-ELSE-IF statement</li> <li>• Use of IF-ELSE-IF statement</li> <li>• Switch statement</li> <li>• Advantage and limitation of switch statement</li> <li>• Using conditional operator in program</li> <li>• Nested selection structure</li> <li>• Relevant Questions of the exercise at the end of chapter</li> </ul>
<b>Week 30</b>	Jan 25- Jan 30 (Revision)	<b>Revision of Chapter #5: Loop Control Structure</b> <ul style="list-style-type: none"> <li>• Loop structure</li> <li>• Types of Loop Structure</li> <li>• The For statement</li> <li>• The While Statement</li> <li>• The Do-While Statement</li> <li>• Difference between While and Do-While Loop</li> <li>• The Break and Continue Statement</li> <li>• Nested Loops</li> <li>• Relevant Questions of the exercise at the end of chapter</li> </ul> <b>Revision of Chapter # 6: Computer logics and Gates</b> <ul style="list-style-type: none"> <li>• Unit introduction</li> <li>• Data Representation in Computer.</li> <li>• Logic Gates</li> <li>• Digital Logic and Logic Gates</li> <li>• Basic Logic Gates</li> <li>• Truth Tables</li> <li>• Logic Gates and their Truth Tables.</li> <li>• A Boolean Expression and Boolean Function.</li> <li>• Conversion of Boolean function or Expression to Logic Circuit.</li> <li>• Karnaugh Map</li> <li>• Relevant Questions of the exercise at the end of chapter</li> </ul>

Week No	Topic/ Objectives	Study Guidelines	Resources
<b>Week 28 (Revision)</b>	<p><b>Chapter # 1: Programming Techniques (Revision)</b></p> <p>Students will be able to:</p> <ul style="list-style-type: none"> <li>Revise all concepts given on pg#8-29 regarding Programming Techniques</li> </ul> <p><b>Chapter # 2: Programming in C (Revision)</b></p> <p>Students will be able to:</p> <ul style="list-style-type: none"> <li>Revise all concepts given on pg#30-46 regarding Programming Techniques</li> </ul>	<ul style="list-style-type: none"> <li>Revise all important definitions and topics given in textbook</li> <li>Use Computer, Laptop, Tabs /smart phone to go over the internet and search on Google <b>about the Programming Techniques</b></li> <li>.Watch the topics(mentioned in block) related videos on sabaq.pk and e learn.</li> <li>Revise the concepts given in Ch#1(Programming Techniques)</li> <li>Revision with the help of worksheets. Worksheets consist of all types of questions that are asked in the Federal Board e.g MCQs, short questions, long questions etc.</li> <li>Short &amp; long questions of worksheets further contain their respective types</li> <li>Ask students to perform practically in the computer Lab.</li> <li>Revise the answers of relevant questions given at the end of chapter.</li> </ul> <ul style="list-style-type: none"> <li>Revise all important definitions and topics given in textbook</li> <li>Use Computer, Laptop, Tabs /smart phone to go over the internet and search on Google <b>about the Programming in C.</b></li> <li>Watch the topics(mentioned in block) related videos on sabaq.pk and e learn.</li> <li>Revise the concepts given in Ch#1(Programming Techniques)</li> <li>Revision with the help of worksheets. Worksheets consist of all types of questions that are asked in the Federal Board e.g MCQs, short questions, long questions etc.</li> <li>Short &amp; long questions of worksheets further contain their respective types.</li> <li>Ask students to perform practically in the computer Lab.</li> <li>Revise the answers of relevant questions given at the end of chapter.</li> </ul>	<ul style="list-style-type: none"> <li>Textbook of Computer Science Grade 10</li> <li>National Book Foundation Islamabad As Federal Textbook Board- Islamabad pgs 8-29</li> <li>Exercise(MCQs Short Q/A, Long Q/A)</li> </ul> <p><b>Reference Links:</b></p> <ul style="list-style-type: none"> <li>Watch the topic related videos on sabaq.pk</li> <li>Solve the practice test given with topics on sabaq.pk</li> </ul> <p><b>Reference Links:</b></p> <ul style="list-style-type: none"> <li>Watch the topic related videos on sabaq.pk</li> <li>Solve the practice test given with topics on sabaq.pk</li> <li>Textbook of Computer Science Grade 10 National Book Foundation Islamabad As Federal Textbook</li> </ul>

			Board- Islamabad pgs 30-46 – Exercise(MCQs Short Q/A,Long Q/A)
<b>Week 29 (Revision)</b>	<p><b>Chapter # 3: Input and output handling (Revision)</b></p> <p>Students will be able to:</p> <ul style="list-style-type: none"> <li>Revise all concepts given on pg#52-77 regarding Programming Techniques</li> </ul> <p><b>Chapter # 4: Conditional Control Structure (Revision)</b></p> <p>Students will be able to:</p> <ul style="list-style-type: none"> <li>Revise all concepts given on pg#80-99 regarding Programming Techniques</li> </ul>	<ul style="list-style-type: none"> <li>Revise all important definitions and topics given in textbook</li> <li>Use Computer, Laptop, Tabs /smart phone to go over the internet and search on Google <b>about the Input and output handling</b></li> <li>.Watch the topics(mentioned in block) related videos on sabaq.pk and e learn.</li> <li>Revise the concepts given in Ch#1(Programming Techniques)</li> <li>Revision with the help of worksheets. Worksheets consist of all types of questions that are asked in the Federal Board e.g MCQs, short questions, long questions etc.</li> <li>Short &amp; long questions of worksheets further contain their respective types</li> <li>Ask students to perform practically in the computer Lab.</li> <li>Revise the answers of relevant questions given at the end of chapter.</li> </ul> <ul style="list-style-type: none"> <li>Revise all important definitions and topics given in textbook</li> <li>Use Computer, Laptop, Tabs /smart phone to go over the internet and search on Google <b>about Conditional Control Structure.</b></li> <li>.Watch the topics(mentioned in block) related videos on sabaq.pk and e learn.</li> <li>Revise the concepts given in Ch#1(Programming Techniques)</li> <li>Revision with the help of worksheets. Worksheets consist of all types of questions that are asked in the Federal Board e.g MCQs, short questions, long questions etc.</li> <li>Short &amp; long questions of worksheets further contain their respective types.</li> <li>Ask students to perform practically in the computer Lab.</li> <li>Revise the answers of relevant questions given at the end of chapter.</li> </ul>	<ul style="list-style-type: none"> <li>Textbook of Computer Science Grade 10</li> <li>National Book Foundation Islamabad As Federal Textbook Board- Islamabad pgs 52-79</li> <li>Exercise(MCQs Short Q/A,Long Q/A)</li> </ul> <p><b>Reference Links:</b></p> <ul style="list-style-type: none"> <li>Watch the topic related videos on sabaq.pk Solve the practice test given with topics on sabaq.pk</li> <li>Textbook of Computer Science Grade 10</li> <li>National Book Foundation Islamabad As Federal Textbook Board- Islamabad pgs 80-99</li> </ul>



			<p>Exercise(MCQs Short Q/A,Long Q/A)</p> <p><b>Reference Links:</b></p> <ul style="list-style-type: none"> <li>- Watch the topic related videos on sabaq.pk</li> <li>- Solve the practice test given with topics on sabaq.pk</li> </ul>
<p><b>Week 30 (Revision)</b></p>	<p><b>Chapter # 5: Loop Control Structure (Revision)</b></p> <p>Students will be able to:</p> <ul style="list-style-type: none"> <li>• Revise all concepts given on pg#100-120 regarding Programming Techniques</li> </ul> <p><b>Chapter # 6: Computer logics and Gates (Revision)</b></p> <p>Students will be able to:</p> <ul style="list-style-type: none"> <li>• Revise all concepts given on pg#114-125 regarding Programming Techniques</li> </ul>	<ul style="list-style-type: none"> <li>• Revise all important definitions and topics given in textbook</li> <li>• Use Computer, Laptop, Tabs /smart phone to go over the internet and search on Google <b>about the Loop Control Structure.</b></li> <li>• Watch the topics(mentioned in block) related videos on sabaq.pk and e learn.</li> <li>• Revise the concepts given in Ch#1(Programming Techniques)</li> <li>• Revision with the help of worksheets. Worksheets consist of all types of questions that are asked in the Federal Board e.g MCQs, short questions, long questions etc.</li> <li>• Short &amp; long questions of worksheets further contain their respective types</li> <li>• Ask students to perform practically in the computer Lab.</li> <li>• Revise the answers of relevant questions given at the end of chapter.</li> </ul> <ul style="list-style-type: none"> <li>• Revise all important definitions and topics given in textbook</li> <li>• Use Computer, Laptop, Tabs /smart phone to go over the internet and search on Google <b>about the Computer logics and Gates.</b></li> <li>• Watch the topics(mentioned in block) related videos on sabaq.pk and e learn.</li> <li>• Revise the concepts given in Ch#1(Programming Techniques)</li> <li>• Revision with the help of worksheets. Worksheets consist of all types of questions that are asked in the Federal Board e.g MCQs, short questions, long questions etc.</li> <li>• Short &amp; long questions of worksheets further contain their respective types.</li> </ul>	<ul style="list-style-type: none"> <li>- Textbook of Computer Science Grade 10</li> <li>- National Book Foundation Islamabad As Federal Textbook Board- Islamabad pgs 100-120</li> <li>- Exercise(MCQs Short Q/A,Long Q/A)</li> </ul> <p><b>Reference Links:</b></p> <ul style="list-style-type: none"> <li>- Watch the topic related videos on sabaq.pk</li> <li>- Solve the practice test given with topics on sabaq.pk</li> <li>- Textbook of Computer Science Grade 10</li> <li>- National Book Foundation Islamabad As Federal Textbook Board- Islamabad pgs 114-125</li> </ul>

		<ul style="list-style-type: none"><li>• Ask students to perform practically in the computer Lab.</li><li>• Revise the answers of relevant questions given at the end of chapter.</li></ul>	<ul style="list-style-type: none"><li>- Exercise(MCQs Short Q/A,LongQ/A)</li></ul> <p><b>Reference Links:</b></p> <ul style="list-style-type: none"><li>- Watch the topic related videos on sabaq.pk</li><li>- Solve the practice test given with topics on sabaq. pk</li></ul>
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2020ء-2021ء

ہیسیکس سلیمس پیک ایس ایس سی X

کولڈ + وارم ریجن

2020ء-2021ء

اسلامیات

دورانیہ		ذرائع
		<u>درسی کتاب:</u>
34	کل ہفتے	اسلامیات لازمی (۹-۱۰) پنجاب ٹیکسٹ بک بورڈ لاہور
27+	تدریسی ہفتے	(وفاقی وزارت تعلیم سے منظور شدہ)
03	سکول اسمنٹس	<u>ذرائع:</u>
02	دہرائی + ٹیسٹ سیریز	• قرآن مجید مع ترجمہ
	پری بورڈ	• تفسیر قرآن
	بورڈ امتحانات	• سورۃ الممتحنہ کی تلاوت پر مشتمل سی ڈی / انٹرنیٹ
		رجسٹر: ۰۱

☆ ایف بی آئی ایس ای (FBISE) کے تحت ایس ایس سی امتحانات ۲۰۲۱ء کے لئے کم کیا گیا نصاب: وفاقی وزارت تعلیم نے 14 اکتوبر ۲۰۲۰ء کو FBISE کی سفیشل ویب سائٹ پر، ایس ایس سی کے سالانہ بورڈ امتحانات کے لئے کم کیا گیا نصاب / سلیمس اپ لوڈ کیا ہے۔ لہذا اسکولز اس بات کو یقینی بنائیں کہ درج ذیل نصابی مواد طلباء کو اچھی طرح پڑھایا جائے تاکہ بورڈ کے امتحانات کے لئے طلباء کی تیاری مکمل ہو سکے۔

اسلامیات (لازمی) جماعت دہم

الجزء الاول: من ہدی القرآن :

1- سورة الاحزاب آیات 1- 34

2- سورة الممتحنة آیات 1-6

(بامحاورہ ترجمہ، الکلمات والتراکیب بشمول التمارین مکمل)

الجزء الثانی : من ہدی الحدیث :

1- ترجمہ احادیث نمبر 11 – 20

2- تشریح و عملی زندگی سے تعلق احادیث نمبر 11-15

الجزء الثالث: موضوعاتی مطالعہ :

1- طہارت اور جسمانی صفائی

2- عائلی زندگی کی اہمیت

3- ہجرت و جہاد

نوٹ: مذکورہ بالا تینوں موضوعات کے تمام مشقی سوالات شامل ہیں۔

نصابی مواد باب/سبق/موضوعات	نائم لائن	ہفتہ نمبر/وقت
باب اول: من ہدی القرآن الکریم ☆سورۃ الممتحنہ (آیات 1-6) دہرائی	11 جنوری - 16 جنوری	اٹھائیسواں ہفتہ
باب دوم: من ہدی الحدیث ☆احادیث (11 تا 20) مع ترجمہ-دہرائی ☆احادیث (11 تا 15) مع تشریح-دہرائی	18 جنوری - 23 جنوری	اتیسواں ہفتہ
باب سوم: موضوعاتی مطالعہ ☆طہارت اور جسمانی صفائی - دہرائی ☆عالمی زندگی کی اہمیت- دہرائی ☆ہجرت و جہاد- دہرائی	25 جنوری - 30 جنوری	تیسواں ہفتہ

سلیبس پیک بلاک-6 (اٹھائیسواں تا تیسواں ہفتہ)

ذرائع	تدریسی ہدایات	موضوعات/مقاصد	ہفتہ نمبر/ تدریسی گھنٹے
<ul style="list-style-type: none"> <li>اسلامیات لازمی (9-10)</li> <li>(ص: 45، 46)</li> <li>قرآن مجید مع ترجمہ</li> <li>تفسیر قرآن</li> </ul>	<ul style="list-style-type: none"> <li>سورۃ الممتحنہ (آیات 1-6) طلبا پڑھ چکے ہیں۔ لہذا امتحانات کی تیاری کو مد نظر رکھتے ہوئے، طلبا سورۃ الممتحنہ کی آیات کی اچھی طرح دہرائی کریں۔</li> <li>طلبا درست تلفظ اور قرأت کے ساتھ آیات مبارکہ کی</li> </ul>	<ul style="list-style-type: none"> <li>باب اول: من ہدی القرآن الکریم</li> <li>☆سورۃ الممتحنہ (آیات 1-6) دہرائی</li> <li>طلبا اس قابل ہوں گے کہ:</li> <li>• درست تلفظ اور قرأت کے ساتھ آیات</li> </ul>	اٹھائیسواں ہفتہ

<ul style="list-style-type: none"> <li>• انٹرنیٹ / قاری کی تلاوت پر مشتمل سی ڈی</li> </ul>	<p>دہرائی کریں۔</p> <ul style="list-style-type: none"> <li>• کسی معروف قاری کی آواز میں آیات مبارکہ کی تلاوت سُن کر اُن کی طرح پڑھنے کی مشق کی جائے۔</li> <li>• آیات مبارکہ کو سمجھ کر اُن کا ترجمہ و تشریح نوٹ بکس پر زبانی لکھیں۔</li> <li>• آیات مبارکہ میں بیان کردہ احکامات و واقعات پر زبانی تبادلہ خیال کیا جائے۔</li> <li>• آیات کی روشنی میں مشقی سوالات کے جوابات کی دہرائی کی جائے۔</li> </ul>	<p>مبارکہ کی دہرائی کر سکیں۔</p> <ul style="list-style-type: none"> <li>• آیات مبارکہ کو سمجھ کر اُن کا ترجمہ و تشریح کر سکیں۔</li> <li>• سبق کی روشنی میں مشقی سوالات کے جوابات کی دہرائی کر سکیں۔</li> </ul>	
<ul style="list-style-type: none"> <li>• اسلامیات لازمی (9-10)</li> <li>• (ص: 55 - 52)</li> <li>• کتب احادیث (صحاح ستہ)</li> </ul>	<ul style="list-style-type: none"> <li>• من ہدی الحدیث (احادیث 11-20) مع ترجمہ و تشریح طلبا پڑھ چکے ہیں۔ لہذا امتحانات کی تیاری کو مد نظر رکھتے ہوئے، سلیمس اسٹڈی بیک بلاک 6 میں طلبا کو احادیث (11-20) مع ترجمہ اور احادیث (11-15) مع ترجمہ و تشریح کی دہرائی کروائی جائے گی۔</li> <li>• احادیث (11-20) مع ترجمہ کی اچھی طرح دہرائی کی جائے۔</li> <li>• احادیث نبوی ﷺ کا ترجمہ و تشریح سمجھ کر اپنے الفاظ میں نوٹ بکس پر زبانی لکھیں۔</li> <li>• احادیث میں بیان کردہ احکامات کی مزید وضاحت کے لیے طلبا کو احادیث کی کتب (صحاح ستہ) کا مطالعہ کروایا جائے، نیز عملی زندگی میں اُن میں بیان کردہ تعلیمات سے استفادہ حاصل کرنے کی تلقین کی جائے۔</li> </ul>	<p>باب دوم: من ہدی الحدیث</p> <p>☆ احادیث (11 تا 20) مع ترجمہ + (11 تا 15) مع تشریح - دہرائی</p> <p>طلبا اس قابل ہوں گے کہ:</p> <ul style="list-style-type: none"> <li>• سلیمس میں شامل احادیث نبوی ﷺ کا ترجمہ و تشریح کر سکیں۔</li> <li>• احادیث میں بیان کردہ احکامات کو سمجھ کر روزمرہ زندگی میں اُن پر عمل پیرا ہو سکیں۔</li> </ul>	<p>اتیسواں ہفتہ</p>

تیسواں ہفتہ	<p>باب سوم: موضوعاتی مطالعہ</p> <p>☆ طہارت اور جسمانی صفائی، عائلی زندگی کی اہمیت، ہجرت و جہاد (دہرائی)</p> <p>طلباء اس قابل ہوں گے کہ:</p> <ul style="list-style-type: none"> <li>پڑھے گئے اسباق (طہارت اور جسمانی صفائی، عائلی زندگی کی اہمیت اور ہجرت و جہاد) کی دہرائی کر سکیں۔</li> <li>سبق میں دی گئی آیات مبارکہ مع ترجمہ کی دہرائی کر سکیں۔</li> <li>سبق کی روشنی میں مشقی سوالات کے جوابات کی دہرائی کر سکیں۔</li> </ul>	<ul style="list-style-type: none"> <li>طلباء اسباق (طہارت اور جسمانی صفائی، عائلی زندگی کی اہمیت اور ہجرت و جہاد) پڑھ چکے ہیں۔ لہذا امتحانات کی تیاری کو مد نظر رکھتے ہوئے، طلباء اسباق کی اچھی طرح دہرائی کریں۔</li> <li>موضوعات سے متعلقہ آیات مع ترجمہ اچھی طرح سمجھ کر زبانی یاد کریں۔</li> <li>اسباق میں بیان کردہ اہم موضوعات کو سمجھ کر اپنے الفاظ میں نوٹ بگس پر زبانی لکھیں۔</li> <li>اسباق کی روشنی میں مشقی سوالات کے جوابات پر زبانی تبادلہ خیال کرتے ہوئے اچھی طرح دہرائی کی جائے تاکہ امتحانات کی تیاری مکمل ہو سکے، نیز عملی زندگی میں اسباق میں بیان کردہ اہم نکات سے استفادہ حاصل کیا جاسکے۔</li> </ul> <p>اسلامیات لازمی (9-10) (ص: 78 - 72, 69-67)</p>
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2021ء-2020ء

ہیسیکس سلیمس پیک ایس ایس سی II

کولڈ + وارم ریجن

2021ء-2020ء

اخلاقیات

دورانیہ		ذرائع
35	کل ہفتے	<p>درسی کتاب:</p> <p>اخلاقیات (9-10) پنجاب ٹیکسٹ بک بورڈ لاہور۔</p> <p>رجسٹر: ۱- بڑا (Large)/نوٹ بک</p>
27	تدریسی ہفتے	
03	اسمنٹ کے ہفتے	
02	دہرائی + ٹیسٹ سیریز	
03	پری بورڈ امتحانات	
فیڈرل بورڈ امتحانات		

☆ ایف بی آئی ایس ای (FBISE) کے تحت ایس ایس سی امتحانات ۲۰۲۱ء کے لئے کم کیا گیا نصاب:

کی آفیشل ویب سائٹ پر، ایس ایس سی کے سالانہ بورڈ امتحانات کے لئے کم کیا گیا نصاب / سلیمس اپ لوڈ کیا ہے۔ لہذا اسکولز اس بات کو FBISE وفاقی وزارتِ تعلیم نے ۱۴ اکتوبر ۲۰۲۰ء کو یقینی بنائیں کہ درج ذیل نصابی مواد طلباء کو اچھی طرح پڑھایا جائے تاکہ بورڈ کے امتحانات کے لئے طلباء کی تیاری مکمل ہو سکے۔



**REDUCED SYLLABUS**  
**ETHICS (For non-muslims)**

**For Class-X (50 Marks)**

**1. INTRODUCTION TO RELIGIONS**

- The role of religion in resolving crisis
- The concepts of sin and crime

**2. WORLD RELIGIONS**

- Mahavira
  - o His life
  - o Basic teachings

**3. ETHICS AND VALUES**

- Concepts of piety, mercy, compassion, clemency, honesty and righteousness in main religions of the world
- Concept of accountability and its influence on human character

**5. PERSONALITIES**

- Aristotle and his theory of ethics
- Kant and his theory of ethics
- Sri Arubindu

نصابی مواد باب/سبق/موضوعات	ہفتے / دن	ہفتہ
پہلا باب: مذاہب کا تعارف • مشکلات کے حل میں مذاہب کی رہنمائی (دہرائی)	جنوری 11- جنوری 16	اٹھائیسواں ہفتہ
پہلا باب: مذاہب کا تعارف • گناہ اور جرم کا تصور (دہرائی)	جنوری 18- جنوری 23	اٹھائیسواں ہفتہ
دوسرا باب: عالمی مذاہب • مہاویر- تعارف اور بنیادی تعلیمات (دہرائی)	جنوری 25- جنوری 30	تیسواں ہفتہ

سلیبس پیکلاک-6 (اٹھائیسواں تا تیسواں ہفتہ)

ذرائع	تدریسی ہدایات	موضوعات/مقاصد	ہفتہ نمبر
☆ اخلاقیات (9-10) پنجاب ٹیکسٹ بک بورڈ لاہور صفحات 10 تا 13 ☆ بورڈ، مارکر	<ul style="list-style-type: none"> <li>• طلبا سبق "مشکلات کے حل میں مذاہب کی رہنمائی" میں پڑھی گئیں معلومات کی روشنی میں شخصی اور قومی بحرانوں میں مذاہب کی رہنمائی اور اخلاقی تعلیمات کا کردار اور سبق میں دی گئیں دیگر معلومات پر تبادلہ خیال کریں۔</li> <li>• تمام سبقی معلومات اور مشقی سوالات کی دہرائی کریں۔</li> </ul>	<p>پہلا باب: مذاہب کا تعارف <u>مشکلات کے حل میں مذاہب کی رہنمائی</u> طلباء اس قابل ہوں گے کہ:</p> <p>1- پڑھی گئیں تمام سبقی معلومات اور مشقی سوالات کا اعادہ کر سکیں۔</p>	اٹھائیسواں ہفتہ

<p>☆ اخلاقیات (9-10) پنجاب ٹیکسٹ بک بورڈ لاہور صفحات 14 تا 17 ☆ بورڈ، مارکر</p>	<ul style="list-style-type: none"> <li>• سبق 'گناہ اور جرم کا تصور' کیدہرائی کریں۔ گناہ اور جرم کے محرکات، جرائم کے انسداد، گناہ اور جرم کو روکنے میں مذاہب کے کردار اور سبق میں دی گئیں تمام معلومات پر تبادلہ خیال کریں۔</li> <li>• تمام سبقی معلومات اور مشقی سوالات کی دہرائی کریں۔</li> </ul>	<p><u>پہلا باب: مذاہب کا تعارف</u> <u>گناہ اور جرم کا تصور</u> طلباء اس قابل ہوں گے کہ: ۱۔ پڑھی گئیں تمام سبقی معلومات اور مشقی سوالات کا اعادہ کر سکیں۔</p>	<p>آٹیسواں ہفتہ</p>
<p>☆ اخلاقیات (9-10) پنجاب ٹیکسٹ بک بورڈ لاہور صفحات 23 تا 29 ☆ بورڈ، مارکر</p>	<ul style="list-style-type: none"> <li>• سبق 'مہاویر۔ تعارف اور بنیادی تعلیمات' میں پڑھی گئیں معلومات کی روشنی میں مہاویر کے حالات زندگی، جین مت کی تعلیمات، اخلاقی اصولوں اور سبق میں دی گئیں تمام معلومات پر تبادلہ خیال کریں۔</li> <li>• تمام سبقی معلومات اور مشقی سوالات کی دہرائی کریں۔</li> </ul>	<p><u>دوسرا باب: عالمی مذاہب</u> <u>مہاویر۔ تعارف اور بنیادی تعلیمات</u> طلباء اس قابل ہوں گے کہ: ۱۔ پڑھی گئیں تمام سبقی معلومات اور مشقی سوالات کا اعادہ کر سکیں۔</p>	<p>تیسواں ہفتہ</p>

**APSACS Syllabus Pack SSC X  
Cold & Warm Region  
2020-2021**

**Pakistan Studies**

Resources	Available Time	
<p><b>Prescribed Textbooks:</b> Pakistan Studies 10 by; Professor (Rtd.) Aftab Ahmad Dar</p> <p><b>Resources:</b> Pakistan Studies for Class X (Punjab Textbook Board, Lahore)</p> <p><b>Notebooks Prescribed:</b> Single lined Notebook (large):1</p>	<b>Class X</b>	
	<b>Timeline</b>	<b>Weeks / Days</b>
	<b>Total available time</b>	<b>34 wks</b>
	<b>Study Time</b>	<b>28 + wks</b>
	<b>School Assessments</b>	<b>09 days</b>
	<b>Winter Break</b>	<b>10 Days</b>
	<b>Revision + Test Series</b>	<b>02 wks</b>
	<b>Federal Board Examination</b>	

**PAKISTAN STUDIES SSC-II**  
**Reduced Syllabus by FBISE (Topics to be taught )**

**CHAPTER 6 HISTORY OF PAKISTAN II**

**TOPICS:** Key aspects of the constitution of 1973, major aspects of the Islamization process during 1977-88, Pakistan as a nuclear power, the system of devolution of power initiated by Prevez Musharaf with particular emphasis on local self-government, local government plan 2000.

**CLASS WORK:** Long questions: 2-3-4-7

**HOMEWORK:** Short questions: 1-4-5-6-7-10

**CHAPTER 7 FOREIGN RELATIONS OF PAKISTAN**

**Topics:** objectives of Pakistan's foreign policy, Pak-India relation, Pak-China relation, Pak-Afghan relation, genesis and development of Kashmir issue, Pakistan development of Kashmir issue, Pakistan relation with central Asian countries, Pakistan contribution towards peace-keeping in world

**CLASS WORK:** Long question 1-2-3-5-7-8-12

**HOMEWORK:** Short questions 1-3-4-5-6-8

**CHAPTER 8 ECONOMIC DEVELOPMENT**

**Topics:** Agriculture, main problems associated with agriculture, industries of Pakistan, different sources of energy, important sector of economy, Agriculture potential of Pakistan along with problems and measures for maximization of yield

**CLASS WORK:** Long questions:1-2-3-8-9

**HOMEWORK:** Short questions1-3-4-6-9

**CHAPTER 9 POPULATION, SOCIETY AND CULTURE OF PAKISTAN**

**TOPICS:** Major Features of Pakistani Society and Culture, Educational Structure of Pakistan, Major Social Problems of Pakistan, Role of minorities in Pakistan, commonality in regional cultures leading to national integration and cohesion

**CLASS WORK:** Long question:1-2-5-6-7

**HOMEWORK:** Short question:2-4-5-7-8

**NOTE:** All MCQs of all chapters given in exercise are included in syllabus

**Block 6: Pakistan Studies: Revision Plan**

***Note: The course content of Pakistan Studies was completed in Study Pack 4 now revision of chapter 8 and Chapter 9 will continue in Study Pack 6.***

**Block 6: Pakistan Studies Weeks 28-30**

# of wks	Time line	Course Content Unit /Chapter / Topics
<b>Week 28</b>	Jan 11- Jan 16	<b>CHAPTER 8 ECONOMIC DEVELOPMENT</b> <ul style="list-style-type: none"> <li>• Agriculture : Main problems associated with agriculture</li> <li>• Industries of Pakistan</li> <li>• Different sources of energy</li> </ul>
<b>Week 29</b>	Jan 18- Jan 23	<b>CHAPTER 8 ECONOMIC DEVELOPMENT</b> <ul style="list-style-type: none"> <li>• Important sector of economy</li> <li>• Agriculture potential of Pakistan, along with problems and measures for maximization of yield</li> </ul>
<b>Week 30</b>	Jan 25- Jan 30	<b>CHAPTER 9 POPULATION, SOCIETY AND CULTURE OF PAKISTAN</b> <ul style="list-style-type: none"> <li>• Major Features of Pakistani Society and Culture</li> <li>• Educational Structure of Pakistan</li> <li>• Major Social Problems of Pakistan</li> <li>• Role of minorities in Pakistan</li> <li>• Commonality in regional cultures leading to national integration and cohesion</li> </ul>