



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

ARMY PUBLIC SCHOOLS & COLLEGES SYSTEM SECRETARIAT

Academic Calendar 2020-2021

APSACS Syllabus Pack (5 Blocks- 25 Weeks Study Time)		
<ul style="list-style-type: none"> • 80% Course to be studied from Block 1-4: (29 June -07 Nov2020) • 20% course to be studied inBlock5: (19 Nov - 24 Dec2020) • Winter Break (10 days) From 25thof December 2020 to 3rdJanuary2021 • Revision, syllabus completion& Test Series:(Jan 04 – 20 Feb) 		
# of study Weeks	Week Dates	Class IX
Block 1(5wks) 29 June – 01 August		
1.	29 June – 04July	Syllabus Pack
2.	06July – 11July	
3.	13July – 18July	
4.	20July – 25July	
5.	27July – 01Aug	
Block 2 (5wks) 03 Aug – 05 Sep		
6.	03 Aug – 08 Aug	Syllabus Pack
7.	10 Aug - 15 Aug	
8.	17 Aug – 22 Aug	
9.	24 Aug – 29 Aug	
10.	31 Aug – 05 Sept	
Block 3 (5wks) 07 Sep – 10 Oct		
11.	07Sept - 12Sept	face to face teaching
12.	14 Sept - 19Sept	
13.	21 Sept - 26Sept	
14.	28 Sept - 03Oct	
15.	05 Oct – 10Oct	
Block 4 (4wks) 12 Oct – 07 Nov		
16.	12 Oct – 17 Oct	face to face teaching
17.	19 Oct - 24Oct	
18.	26 Oct - 31Oct	
19.	02 Nov – 07 Nov	Revision
20.	09 Nov – 14 Nov	School Assessments for FBISE Admission

Block 5 (04 wks + 02 days) 16Nov – 24 Dec		
21.	16 Nov – 21Nov	School Assessments
22.	23 Nov –28Nov	School Assessments (04 days)
23.	30Nov -05Dec	face to face teaching
24.	07Dec -12Dec	
25.	14Dec -19Dec	
26.	21Dec-24Dec	
Winter Break (10 days) From 25December 2020 – 08 January 2021		
Block 6 (03wks) 04 Jan – 23 Jan		
27.	11Jan – 16 Jan	face to face teaching
28.	18Jan – 23 Jan	
29.	25Jan – 30 Jan	
Revision + Test Series (2 wks) 25 Jan - 06 Feb		
30.	01Feb – 06 Feb	
31.	08 Feb -13 Feb	
Pre-Board Exams (03 wks) 08 Feb – 25 Feb		
32.	15 Feb – 20 Feb	
33.	22 Feb – 25 Feb	



APSACS SSC Syllabus Pack

Class IX

Block 6 (Week 27-29)

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

English

Resources	Timeline for Session 2020 - 2021																
<p>Prescribed Textbook English 9 (Punjab Textbook Board)</p> <p>English Grammar & Composition for Class 9-10 (PTB) 2018-2019</p> <p>Authors: Prof. B.A Chisty Prof. Fazl-ur-Rehman Butt Abdul Qadeer Hashmi</p> <p>Resources: English Simple Grammar and Composition 9th–Class Author: Prof Zia-ur-Rahman Khan</p> <p>High School English Grammar & Composition by Wren & Martin. Multicolour Edition 2016 Revised by Prasada Rao.</p> <p>Prescribed Notebook: Single-lined notebook (large)/ Register</p>	<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th style="width: 70%;">Weeks / Days</th> <th style="width: 30%;">Class IX</th> </tr> </thead> <tbody> <tr> <td>Time available</td> <td style="text-align: center;">34wks</td> </tr> <tr> <td>Study Time</td> <td style="text-align: center;">26wks</td> </tr> <tr> <td>School Assessments</td> <td style="text-align: center;">03 wks</td> </tr> <tr> <td>Winter Break</td> <td style="text-align: center;">10 days</td> </tr> <tr> <td>Revision & Test Series</td> <td style="text-align: center;">02wks</td> </tr> <tr> <td>Pre-board Exams</td> <td style="text-align: center;">03 Wks</td> </tr> <tr> <td colspan="2">Federal Board Examination</td> </tr> </tbody> </table>	Weeks / Days	Class IX	Time available	34wks	Study Time	26wks	School Assessments	03 wks	Winter Break	10 days	Revision & Test Series	02wks	Pre-board Exams	03 Wks	Federal Board Examination	
Weeks / Days	Class IX																
Time available	34wks																
Study Time	26wks																
School Assessments	03 wks																
Winter Break	10 days																
Revision & Test Series	02wks																
Pre-board Exams	03 Wks																
Federal Board Examination																	

General Note for all subjects:

- After Block 6 ending on 30th 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 ہیسٹیکس 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 IX

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	The Saviour of Mankind	Reading Comprehension (Exercise-B) Grammar (Adjective, Conditional Type-I) Exercise A, B, C &D Homework: Vocabulary & Glossary (Exercise –A & B)
2	Patriotism	Reading Comprehension (Exercise-A) Grammar Modal Verbs (Exercise –A & B) Punctuation Exercise -C Homework: Vocabulary & Glossary (Exercise –A) Writing Skills (Exercise-E)
3	Media and its Impact	Grammar – Adjectives – Nouns- Adverbs – Pronouns Exercises – A, B, C, E, G Vocabulary Exercise B
4	Hazrat Asma (RA)	Reading Comprehension (Exercise-C) Grammar (Abstract Noun, Exercise-B& preposition of time, Exercise-E & F) Punctuation (Exercise –G) Homework: Glossary
5	Daffodils	Reading Comprehension (Exercise-A) Theme /Central idea of the Poem Figures of Speech (simile, metaphor, personification & imagery) Exercise-A, B, C Grammar (Collective Noun, exercise-A & Conjunctions, Exercise-D) Homework: Paraphrasing of poem

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6	The Quaid's Vision and Pakistan	Vocabulary & Glossary (Exercise A, B, C, D) Reading Comprehension (Exercise-A) Grammar (Adverb, Infinitive, Gerund & Conditional III) Exercises A, B, C, D& E
7	Sultan Ahmed Mosque	Vocabulary (Exercise A, B, C & D) Reading Comprehension (Exercise-A) Grammar: Position of Adverbs, Degrees of Comparison (Exercise A, B & C) Use of "Since & For" (Exercise D) page-80
8	Stopping by Woods on a Snowy Evening (poem)	Grammar – Adjective phrases – Adverb phrases Exercises – A, B
10	Drug Addiction	Grammar – Relatives pronouns – Adjective clauses Exercises – A, C, D
11	Noise in the Environment	Grammar – Transition devices – Adverb clauses Independent and dependent clause – Subordinating conjunctions Exercises – B, C, D, F, G
12	Three Days to See	Vocabulary (Exercise A, B &C) Reading Comprehension (Exercise-A) Grammar (Conditional Type-II, Kind of sentences) Exercise A, B, C Identification Simple, Compound & Complex sentences (Exercise-D & E) Homework: Writing Skills Exercise-A

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. **Active Voice & Passive Voice** (Exercises page# 169-170 from English Grammar and Composition 9-10, PTB, Lahore, 1st Edition March, 2020)
- vi. **Tenses, Translation Exercises,**
 - a. Present Tenses (page 74 to 87)
 - b. Past Tenses (pages-95 to 108)
 - c. Future Tenses (Pages117-131)
 - d. Correction Exercises pages # 164-168 (from English Grammar and Composition, PTB, Lahore, 1st Edition March, 2020)
- vii. **Informal Letters** (from English Grammar and Composition 9-10, PTB, Lahore, 1st Edition March, 2020)
 - a. Write a letter to your brother about the importance of science subjects
 - b. Write a letter to your father asking him about the health of your mother.

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- c. Write a letter to your friend condoling the death of his mother.
- d. Write a letter to your sister congratulating her on her success in the exam.

- viii. **Punctuation exercises** from English Text Book (class 9th), PTB, Lahore
 - a. Unit # 2, page-19 Exercise-(c)
 - b. Unit # 4 Page # 43 Exercise-(g)

- ix. **Paragraph writing** (English Grammar and Composition 9-10, PTB, Lahore, 1st Edition March, 2020)
 - a. A Visit to a Museum
 - b. Fashion
 - c. An Industrial Exhibition
 - d. How to keep our town clean?

- x. **Dialogue Writing** (English Grammar and Composition 9-10, PTB, Lahore, 1st Edition March, 2020)
 - a. between teacher and student
 - b. between two students regarding salat
 - c. between a tailor and a customer

NOTE:

1. Unit No 9. is entirely excluded.
2. Reading Comprehension Exercises of Unit No. 3, 8, 10 & 11 are only excluded.
3. All Review Exercises (I, II & III) in the English Text Book are entirely excluded.
4. 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.
5. All grammar- based content is supposed to be taken from the prescribed /recommended grammar book (English Grammar and Composition, PTB, Lahore, 1st Edition March, 20

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 Block 6: English Weeks 27-29

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# of wks	Week Dates	Course Content Unit /Chapter/Topics
Week 27	11 Jan – 16 Jan, 2021	<ul style="list-style-type: none"> • Unit 12: Three Days to see Vocabulary (Exercise A, B &C) Reading Comprehension (Exercise-A) Grammar (Conditional Type-II, Kind of sentences) Exercise A, B, C Identification Simple, Compound & Complex sentences (Exercise-D & E) Writing Skills Exercise-A • Revision of Tenses, Translation Exercises Present Tenses (page 74 to 87)
Week 28	18 Jan – 23 Jan 2021	<ul style="list-style-type: none"> • Dialogue writing between a tailor and a customer • Paragraph writing A Visit to a Museum • Revision of Tenses, Translation Exercises Past Tenses (pages - 95 to 108) • Letter writing Student & teacher discretion from the topic given above in the reduced syllabus content
Week 29	25 Jan – 30 Jan 2021	<ul style="list-style-type: none"> • Paragraph writing Fashion An Industrial Exhibition • Revision of Tenses, Translation Exercises Future Tenses (Pages117-131) • Letter writing Student & teacher discretion from the topic given above in the reduced syllabus content

Syllabus Pack Block 6 (weeks 27-29)

Week	Topics / Objectives	Study Guidelines	Resources
Week 27	Unit 12 Three Days to see Students will be able to: <ul style="list-style-type: none"> • read & comprehend the text • learn about the role models depicting professionalism • use conditional sentences • analyze narrative & bring out the central theme • identify & differentiate simple compound and complex sentences • revise transitional devices 	<ul style="list-style-type: none"> • Predict the meaning of the title. Answer pre-reading Qs. • Read the life history of Hellen Keller & arrange the details of Hellen Keller's life history in chronological order. (see pg 128) • Read the text silently. Pause to read & answer while-reading Qs given in the boxes. • Analyze the narrative and bring out the central theme. Now read notes & the theme on pg 126. Refer glossary wherever required. • Comprehension (pg 127) Refer to the text while answering Qs 1-6. • Vocabulary (pg 129) Ex A & C to be done in notebooks • Grammar (pg 129-132) Revise conditionals: Type II & kinds of sentences. Details given in the textbook pgs 129, 130 Ex C, E, F to be done in the textbook Ex A, B, D to be done in notebooks • Writing skills (pg 129-132) Ex A, B, C to be done in notebook. 	English 9 Pgs 123-132
	Revision of Present Tense Students will be able to: <ul style="list-style-type: none"> • Revise the rules, formation & structure of sentence • Apply the rules while translating the sentences from Urdu to English 	<ul style="list-style-type: none"> • Revision of Present Tense, Translation Exercises Present Tenses (page 74 to 87) • Revision of the Tense rules in all Present Tense forms: Simple present Tense Present Continuous Tense Present perfect Tense Present Perfect Continuous Tense • Practice of Exercises at random both oral & in written form 	<ul style="list-style-type: none"> • English Grammar and Composition 9-10, PTB, Lahore, 1st Edition March, 2020) Pgs 74-87
Week 28	Dialogue writing Students will be able to:	<ul style="list-style-type: none"> • Revision of dialogue writing format. • Read a few samples of dialogues between a tailor and 	<ul style="list-style-type: none"> • English Grammar and Composition 9-10, PTB, Lahore, 1st Edition

Week	Topics / Objectives	Study Guidelines	Resources
	<ul style="list-style-type: none"> • Prepare & present the dialogue • Write a dialogue between a tailor and a customer 	<p>a customer using English Grammar & Composition PTB & internet as a resource.</p> <ul style="list-style-type: none"> • Brainstorming to be done using mind-map • In pairs, students to practise the dialogue on the topic followed by class presentation. • Written work in registers. 	<p>March, 2020) Pgs 74-87 Internet</p>
	<p>Paragraph writing</p> <p>A Visit to a Museum Students will be able to:</p> <ul style="list-style-type: none"> • Narrate a visit to any historical place • Write about a visit to museum 	<ul style="list-style-type: none"> • Students to be asked to narrate a visit to any historical place. • Revise the salient features of paragraph writing. • Share the success criteria for discussion & the written practice. Which tense to be used? What is the word limit? Elicit the topic sentence & concluding remarks etc. • Independent written work on the topic 'A Visit to Museum' 	<ul style="list-style-type: none"> • English Grammar and Composition 9-10, PTB, Lahore, 1st Edition March, 2020)
	<p>Revision of Past Tense</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> • Revise the rules, formation & structure of sentence • Apply the rules while translating the sentences from Urdu to English 	<ul style="list-style-type: none"> • Revision of Past Tense, Translation Exercises Past Tenses (pages - 95 to 108) • Revision of the Tense rules in all Past Tense forms: Simple past Tense Past Continuous Tense Past perfect Tense Past Perfect Continuous Tense • Practice of Exercises at random both oral & in written form 	<ul style="list-style-type: none"> • English Grammar and Composition 9-10, PTB, Lahore, 1st Edition March, 2020) (pages - 95 to 108)
	<p>Informal letter writing</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> • Revise the format for informal letter writing • Write a letter on any topic given in the list 	<ul style="list-style-type: none"> • Review the 4 topics identified in the reduced syllabus content. • Select the topic for informal letter writing from the list which the students have not done before. • Let them involve in eliciting the ideas for the body of the selected letter topic. • Write the letter in registers. 	<ul style="list-style-type: none"> • English Grammar and Composition 9-10, PTB, Lahore, 1st Edition March, 2020)

Week	Topics / Objectives	Study Guidelines	Resources
Week 29	<p>Paragraph writing Fashion An Industrial Exhibition</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> Write a paragraph on both the topics 	<ul style="list-style-type: none"> Use suitable teaching strategy / graphic organizers to elicit ideas on the topics. It could be brainstorming, group discussion, group presentation, flow chart, concept map etc. Students to write a paragraph of suitable length on both the topics at different days. 	<ul style="list-style-type: none"> English Grammar and Composition 9-10, PTB, Lahore, 1st Edition March, 2020)
	<p>Revision of Future Tense</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> Revise the rules, formation & structure of sentence Apply the rules while translating the sentences from Urdu to English 	<ul style="list-style-type: none"> Revision of Future Tense, Translation Exercises Future Tenses (Pages 117-131) Revision of the Tense rules in all Future Tense forms: Simple future Tense Future Continuous Tense Future perfect Tense Future Perfect Continuous Tense Practice of Exercises at random both oral & in written form 	<ul style="list-style-type: none"> English Grammar and Composition 9-10, PTB, Lahore, 1st Edition March, 2020) (Pages 117-131)
	<p>Letter writing</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> Revise the format for informal letter writing Write a letter on the left-over topic given in the list 	<p>Letter Writing Tips</p> <ul style="list-style-type: none"> Keep it short and to the point. Letters should be concise, factual, and focused. Focus on the recipient's needs. Use simple and appropriate language. Re-read and revise it. Check spelling and grammar. Class discussion on the selected topic. Independent written work 	<ul style="list-style-type: none"> English Grammar and Composition 9-10, PTB, Lahore, 1st Edition March, 2020)

2020ء-2021ء

ایپیکس سلیمس پبک ایس ایس سی I

کوئڈ اینڈ وارم ریجن

2021-2020

اُردو

ذرائع	دستیاب وقت	
	ہفتے / دن	جماعت نهم
ٹیکسٹ بک اردو برائے جماعت نهم ناشر: چوہدری غلام رسول اینڈ سنز لاہور اردو قواعد و انشاء 9-10 پنجاب ٹیکسٹ بک اردو نوٹ بک / رجسٹر	34	کل ہفتے
	26	تعلیمی مدت
	03	اسمنٹ کے ہفتے
	10 دن	تعطیلات برائے موسم سرما
	2 ہفتے	دہرائی + ٹیسٹسیریز
	03	پری بورڈ امتحانات
	فیڈرل بورڈ امتحان	

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

وفاقی وزارتِ تعلیم نے ۱۴ اکتوبر ۲۰۲۰ء کو FBISE 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 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۔

منتخب نصاب اُردو لازمی

شامل نصاب عنوانات برائے جماعت نہم

7 ہجرت نبوی ﷺ (مشق مکمل)

8 کاہلی

9 آرام و سکون

10 امتحان

11 قدرِ ایاز

12 حمد (نظم)

13 نعت (نظم)

14 پیوستہ رہ شجر سے امید بہار رکھ

15 غزل، میر تقی میر

16 غزل، اسد اللہ خان غالب

17 قواعد و انشاء (خطوط نویسی، مکالمہ نویسی، روداد نویسی)

بمطابق 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 آرام و سکون امتحان قدریاز خطوط نویسی	11 جنوری - 16 جنوری	ستائیسواں ہفتہ
دہرائی نظم: حمد نظم: نعت نظم: پیوستہ رہ شجر سے امید بہار رکھ مکالمہ نویسی	18 جنوری - 23 جنوری	اٹھائیسواں ہفتہ
دہرائی غزل میر تقی میر غزل: مرزا غالب جملے کے اجزائے ترکیبی	25 جنوری - 30 جنوری	اسیسواں ہفتہ

ذرائع	طریقہ تدریس	موضوعات/مقاصد	ہفتہ نمبر
☆ اردو برائے جماعت نہم ☆ صفحات 47 تا 55 ☆ بورڈ مارکر	☆ طلباء سبق کی پڑھائی کرتے ہوئے آرام و سکون کی اہمیت 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۔ ➤ سبق کا نام۔۔۔۔۔۔۔۔۔۔ آرام و سکون ➤ مصنف کا نام۔۔۔۔۔۔۔۔۔۔ سید امتیاز علی تاج ➤ سیاق و اسباق ➤ حل لغت۔۔۔۔۔۔۔۔۔۔ ➤ تشریح	<u>آرام و سکون</u> طلباء اس قابل ہوں گے کہ: ۱۔ سبق کی پڑھائی، الفاظ معانی، مشقی سوالات کے جوابات اور نثر پارے کی تشریح کا اعادہ کر سکیں۔	ستا نیسواں ہفتہ
☆ اردو برائے جماعت نہم ☆ صفحات 70 تا 77 ☆ بورڈ مارکر	☆ 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۔ ➤ سبق کا نام۔۔۔۔۔۔۔۔۔۔ امتحان ➤ مصنف کا نام۔۔۔۔۔۔۔۔۔۔ مرزا فرحت اللہ بیگ ➤ سیاق و اسباق ➤ حل لغت۔۔۔۔۔۔۔۔۔۔ ➤ تشریح	<u>امتحان</u> طلباء اس قابل ہوں گے کہ: ۱۔ سبق کی پڑھائی، الفاظ معانی، مشقی سوالات کے جوابات اور نثر پارے کی تشریح کا اعادہ کر سکیں۔	

ذرائع	طریقہ تدریس	موضوعات/مقاصد	ہفتہ نمبر
	<ul style="list-style-type: none"> • شاعر کا نام-----خواجہ الطاف حسین حالی • حل لغت • تشریح <p>☆ نظم کی تشریح اور مشقی سوالات کے جوابات اپنے الفاظ میں تحریر کریں۔</p>		
☆ اردو برائے جماعت نہم ☆ صفحات 104 تا 106 ☆ بورڈ مارکر	<p>☆ نظم کی دہرائی مندرجہ ذیل نکات کی مدد سے کی جائے۔</p> <ul style="list-style-type: none"> • نظم کی پڑھائی اور مشکل الفاظ و تراکیب کی وضاحت • تشریح مع امثال • مشقی سوالات <p>☆ تشریح کرتے ہوئے قرآنی آیات / احادیث / قول / شعری مثالیں دی جائیں۔</p> <ul style="list-style-type: none"> • نظم کا نام-----نعت • شاعر کا نام-----امیر مینائی • حل لغت • تشریح <p>☆ نظم کی تشریح اور مشقی سوالات کے جوابات اپنے الفاظ میں تحریر کریں۔</p>	<p>دہرائی نعت (نظم) طلباء اس قابل ہوں گے کہ:</p> <p>۱۔ نظم کی پڑھائی اور الفاظ کے معانی، مشقی سوالات اور نظم کی تشریح کا اعادہ کر سکیں۔</p>	
☆ اردو برائے جماعت نہم ☆ صفحات 113 تا 115 ☆ بورڈ مارکر	<p>☆ نظم کی دہرائی مندرجہ ذیل نکات کی مدد سے کی جائے۔</p> <ul style="list-style-type: none"> • نظم کی پڑھائی اور مشکل الفاظ و تراکیب کی وضاحت • تشریح مع امثال • مشقی سوالات 	<p>دہرائی پیوستہ رہ شجر سے (نظم) طلباء اس قابل ہوں گے کہ:</p> <p>۱۔ نظم کی پڑھائی اور الفاظ کے معانی،</p>	

ذرائع	طریقہ تدریس	موضوعات/مقاصد	ہفتہ نمبر
	<p>☆ تشریح کرتے ہوئے قرآنی آیات/احادیث/قول / شعری مثالیں دی جائیں۔</p> <ul style="list-style-type: none"> • نظم کا نام-----پوستہ رہ شجر سے • شاعر کا نام-----علامہ محمد اقبال • حل لغت • تشریح <p>☆ نظم کی تشریح اور مشقی سوالات کے جوابات اپنے الفاظ میں تحریر کریں۔</p>	<p>مشقی سوالات اور نظم کی تشریح کا اعادہ کر سکیں۔</p>	
☆ قواعد کی کتب	<p>آپ کے والد آپ کے ساتھ امتحان کی تیاری کے موضوع پر گفتگو کر رہے ہیں اس گفتگو کو مکالماتی انداز میں لکھیں۔</p> <p>طلباء گذشتہ جماعتوں میں مکالمہ نگاری کرتے آئے ہیں انہی اصولوں کی روشنی میں دیے گئے موضوع پر مکالمہ تحریر کریں</p>	<p><u>مکالمہ نگاری</u></p> <p>طلباء اس قابل ہوں گے کہ:</p> <p>۱۔ مکالمہ نگاری کے اصول و ضوابط کو مد نظر رکھتے ہوئے دیے گئے موضوع پر مکالمہ تحریر کریں۔</p>	
☆ اردو برائے جماعت نهم ☆ صفحات 129 تا 132 ☆ بورڈ مارکر	<p>☆ غزل کی دہرائی مندرجہ ذیل نکات کی مدد سے کی جائے</p> <p>3 غزل کے معنی و مفہوم کو سمجھنا۔</p> <p>4 غزل کی پڑھائی اور مشکل الفاظ و تراکیب کے لیے لغت کا استعمال۔</p> <p>5 پوری غزل کی تشریح مع امثال / حوالہ جات</p> <p>6 ☆ مشقی سوالات</p>	<p><u>غزل مرزا غالب</u></p> <p>طلباء اس قابل ہوں گے کہ:</p> <p>غزل کی پڑھائی اور الفاظ معانی، مشقی سوالات کے جوابات اور غزل کی تشریح کا اعادہ کر سکیں۔</p>	اتیسواں ہفتہ

ذرائع	طریقہ تدریس	موضوعات / مقاصد	ہفتہ نمبر
☆ اردو برائے جماعت نہم ☆ صفحات 118 تا 122 ☆ بورڈ مارکر	☆ غزل کی دہرائی مندرجہ ذیل نکات کی مدد سے کی جائے 7 غزل کے معنی و مفہوم کو سمجھنا۔ 8 غزل کی پڑھائی اور مشکل الفاظ و تراکیب کے لیے لغت کا استعمال۔ 9 پوری غزل کی تشریح مع امثال / حوالہ جات 10 ☆ مشقی سوالات	<u>غزل میر تقی میر</u> طلباء اس قابل ہوں گے کہ: غزل کی پڑھائی اور الفاظ معانی، مشقی سوالات کے جوابات اور غزل کی تشریح کا اعادہ کر سکیں۔	
☆ اردو برائے جماعت نہم ☆ صفحات ۷۵، ۷۶ ☆ اردو قواعد و انشاء 9-10 صفحہ نمبر ۲۴ ☆ بورڈ مارکر	طلباء جملہ اسمیہ اور جملہ فعلیہ پڑھ چکے ہیں اردو برائے جماعت نہم صفحات ۷۵، ۷۶ اردو قواعد و انشاء 9-10 صفحہ نمبر ۲۴ پر جملے کے اجزائے ترکیبی دیے گئے ہیں طلباء ان کو بغور پڑھیں اور دیے گئے جملوں کی ترکیبِ نحوی کریں۔ 1. احمد نے غزل گائی 2. آم پھلوں کا بادشاہ ہے 3. قائدِ اعظم ہمارے قومی رہنما ہیں 4. لاہور تاریخی شہر ہے 5. طلباء نے سبق پڑھا	<u>جملے کے اجزائے ترکیبی</u> <u>جملہ اسمیہ، جملہ فعلیہ</u> طلباء اس قابل ہوں گے کہ: - اجملے کے اجزائے ترکیبی سے آگاہ ہو سکیں اور جملہ اسمیہ اور جملہ فعلیہ کی ترکیبِ نحوی کر سکیں	

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

Mathematics

Resources	Available Time														
<p>Prescribed Textbook Mathematics 9 (Science Group) by Caravan Book House, Lahore</p> <p>Authors: Dr. Karamat H. Dar Prof. Irfan-ul-Haq</p> <p>Resources: Mathematics 9 (Science Group) by Caravan Book House, Lahore.</p> <p>Prescribed Notebook: Maths Single Line Notebook (Large)/Register</p>	<table border="1" data-bbox="1265 651 1765 1225"> <thead> <tr> <th data-bbox="1265 651 1581 715">Weeks / Days</th> <th data-bbox="1581 651 1765 715">Class X</th> </tr> </thead> <tbody> <tr> <td data-bbox="1265 715 1581 786">Time available</td> <td data-bbox="1581 715 1765 786">34 wks</td> </tr> <tr> <td data-bbox="1265 786 1581 858">Study Time</td> <td data-bbox="1581 786 1765 858">27+ wks</td> </tr> <tr> <td data-bbox="1265 858 1581 967">School Assessments</td> <td data-bbox="1581 858 1765 967">02 weeks & 04 days</td> </tr> <tr> <td data-bbox="1265 967 1581 1034">Winter Break</td> <td data-bbox="1581 967 1765 1034">10 days</td> </tr> <tr> <td data-bbox="1265 1034 1581 1145">Revision & Test Series</td> <td data-bbox="1581 1034 1765 1145">02 wks</td> </tr> <tr> <td colspan="2" data-bbox="1265 1145 1765 1225">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	
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															

REVIEWED SYLLABUS MATHEMATICS SSC-I
(Science Group)

Unit 1	Matrices and Determinants
Exercise 1.1	Q1; Q2; Q3
Exercise 1.2	Q1; Q2; Q3; Q5; Q6
Exercise 1.3	Q1; Q2; Q5(i, v, vi, ix, x); Q6; Q7; Q8(i, ii, iii, iv)
Exercise 1.4	Q1; Q2; Q3; Q5; Q6
Exercise 1.5	Q1(i, ii); Q2(i, ii); Q3(iii, iv); Q4
Exercise 1.6	Q1(i, iii, v, vii); Q2; Q4
Review Ex 1	Q1
Unit 2	Real and Complex Numbers
Exercise 2.1	Q3; Q4(i, ii, iii); Q6(i, ii)
Exercise 2.2	Q1; Q3
Exercise 2.3	Q1(i, ii); Q3(i, ii)
Exercise 2.4	Q1(i, iv); Q2; Q3(i, ii)
Exercise 2.5	Q1(i, ii, iv); Q2(i, ii, iii); Q3(iv, v); Q4
Exercise 2.6	Q1; Q2(ii, iv); Q3(ii, iv); Q4(i, iv, v); Q5(ii, iii); Q6(i, iii, iv, v); Q7(i, ii)
Review Ex 2	Q1; Q2; Q5; Q7
Unit 3	Logarithms

Exercise 3.1	Q1(i, ii, iv, vi); Q2(iii, iv)
Exercise 3.2	Q1(i, iii); Q3; Q4(ii, iv); Q5
Exercise 3.3	Q1(iv, v, vi); Q2; Q3(iii, iv); Q4
Exercise 3.4	Q1(i, iii, iv, vi); Q2; Q5
Review Ex 3	Q1; Q2
Unit 4	Algebraic Expressions and Algebraic Formulas
Exercise 4.1	Q1; Q2; Q3(iii, iv, v, vii, viii); Q5(ii, iv, vi); Q6(ii, iii, iv, v)
Exercise 4.2	Q1; Q2; Q4; Q6; Q8; Q10; Q13; Q15(i, ii, iii)
Exercise 4.3	Q1(iii, iv); Q2(ii, iii); Q3(i, ii); Q4(iii, v)
Exercise 4.4	Q1(iii, iv, vii); Q2(i, ii); Q3(i); Q4(i, ii); Q5(ii)
Review Ex 4	Q1; Q2
Unit 5	Factorization
Exercise 5.1	Q1(i, v, vi); Q2(iii, iv); Q3(i, iii); Q4(ii, iv); Q5(i, ii, iii)
Exercise 5.2	Q1(i, iv, v); Q2(i, iii); Q3(ii, v, viii); Q4(i, iii, v); Q5(i, ii); Q6(i, ii)
Exercise 5.3	Q1(i, iii); Q2(i); Q3(i); Q5; Q7; Q9
Review Ex 5	Q1; Q2
Unit 6	Algebraic Manipulation
Exercise 6.1	Q1; Q2(i, ii, iii); Q3(i, iii); Q4; Q5(ii, iii); Q6; Q8; Q9
Exercise 6.2	Q 1; Q2; Q4; Q6; Q9; Q11; Q13
Exercise 6.3	Q1(i, iv, vi, vii); Q2(i, iv, v); Q3(i); Q4(i)

Review Ex 6	Q1; Q8
Unit 7	Linear Equations and Inequalities
Exercise 7.1	Q1(i, iii, v, vii, ix); Q2(i, ii, v, viii)
Exercise 7.2	Q1; Q2(ii, iv, v, vii)
Exercise 7.3	Q1(i, ii, iv, vii); Q2(i, ii, iii, viii)
Review Ex 7	Q1; Q2
Unit 8	Linear Graphs and their Applications
Exercise 8.1	Q1; Q2(i, ii, iii, iv, v, vi, vii, xiii, xiv); Q5
Exercise 8.2	Q3(a, b, c); Q4
Exercise 8.3	Q1; Q2; Q3
Review Ex 8	Q1; Q2
Unit 9	Introduction to Coordinate Geometry
Exercise 9.1	Q1(a, d, e); Q2(i, ii)
Exercise 9.2	Q1; Q2; Q3; Q4; Q5; Q6; Q9
Exercise 9.3	Q1(a, c, f); Q2; Q3; Q5
Review Ex 9	Q1; Q2
Unit 10	Congruent Triangles
Exercise 10.1	Q1

Exercise 10.3	Q1
Exercise 10.4	Q1; Q2
Theorems	10.1.1; 10.1.2
Review Ex 10	Q1; Q3; Q4; Q5
Unit 11	Parallelograms and Triangles
Exercise 11.1	Q1; Q2
Exercise 11.4	Q1
Theorems	11.1.2; 11.1.3; 11.1.5
Review Ex 11	Q1; Q2; Q3; Q4; Q5
Unit 12	Line Bisectors and Angle Bisectors
Theorems	12.1.1; 12.1.3; 12.1.4
Review Ex 12	Q1; Q2; Q4; Q5; Q6
Unit 13	Sides and Angles of a Triangle
Exercise 13.1	Q1; Q3
Exercise 13.2	Q1; Q2; Q3
Theorems	13.1.1; 13.1.3; 13.1.4
Review Ex 13	Q1
Unit 14	Ratio and Proportion
Exercise 14.1	Q1

Exercise 14.2	Q1; Q2
Theorems	14.1.3
Review Ex 14	Q1; Q4; Q5; Q6
Unit 15	Pythagoras Theorem
Exercise 15	Q1; Q3; Q4; Q6; Q7; Q8
Review Ex 15	Q1: Q2
Theorems	15.1.1
Unit 16	Theorems Related with Area
Exercise 16.1	Q2
Theorems	16.1.1
Review Ex 16	Q1; Q2
Unit 17	Practical Geometry-Triangles
Exercise 17.1	Q1(i, iv, v); Q2(i, ii); Q3; Q4(i, ii)
Exercise 17.2	Q1(i, iii); Q2(i, iii); Q3(i, iii); Q4(i, ii)
Exercise 17.3	Q1; Q3
Exercise 17.4	Q1; Q3
Review Ex 17	Q1; Q2

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 class teacher.

Block 6: Mathematics Weeks 27-29

Wks	Time line	Course Content Unit /Chapter/Topics
Week 27	11 Jan – 16 Jan	Need based Revision Unit 3 Logarithms Unit 4 Algebraic Expressions and Algebraic Formulas
Week 28	18 Jan – 23 Jan	Need based Revision Unit 5 Factorization Unit 6 Algebraic Manipulation
Week 29	25 Jan - 30 Jan	Need based Revision Unit 7 Linear Equations and Inequalities Unit 8 Linear Graphs and their Applications

Syllabus Pack Block 6 (weeks 27-29)

Week	Topic/ Objectives	Study Guidelines	Resources
Week 27	<p style="text-align: center;">Need based Revision</p> <p>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.</p> <p>Unit 3 Logarithms</p> <p>Exercise 3.1 Q1(i, ii, iv, vi); Q2(iii, iv) Exercise 3.2 Q1(i, iii); Q3; Q4(ii, iv); Q5 Exercise 3.3 Q1(iv, v, vi); Q2; Q3(iii, iv); Q4 Exercise 3.4 Q1(i, iii, iv, vi); Q2; Q5 Review Ex 3 Q1; Q2</p> <p>Unit 4 Algebraic Expressions and Algebraic Formulas</p> <p>Exercise 4.1 Q1; Q2; Q3(iii, iv, v, vii, viii); Q5(ii, iv, vi); Q6(ii, iii, iv, v) Exercise 4.2 Q1; Q2; Q4; Q6; Q8; Q10; Q13; Q15(i, ii, iii) Exercise 4.3 Q1(iii, iv); Q2(ii, iii); Q3(i, ii); Q4(iii, v) Exercise 4.4 Q1(iii, iv, vii); Q2(i, ii); Q3(i); Q4(i, ii); Q5(ii) Review Ex 4 Q1; Q2</p>		

Week	Topic/ Objectives	Study Guidelines	Resources
Week 28	<p>Students will go through a thorough interactive discussion/ problem solving and revision session for Chapters 5 and 6 along the lines of exam preparation (focused and limited to the content given in the reduced syllabus i.e.</p> <p>Unit 5 Factorization Exercise 5.1 Q1(i, v, vi); Q2(iii, iv); Q3(i, iii); Q4(ii, iv); Q5(i, ii, iii) Exercise 5.2 Q1(i, iv, v); Q2(i, iii); Q3(ii, v, viii); Q4(i, iii, v); Q5(i, ii); Q6(i, ii) Exercise 5.3 Q1(i, iii); Q2(i); Q3(i); Q5; Q7; Q9 Review Ex 5 Q1; Q2</p> <p>Unit 6 Algebraic Manipulation Exercise 6.1 Q1; Q2(i, ii, iii); Q3(i, iii); Q4; Q5(ii, iii); Q6; Q8; Q9 Exercise 6.2 Q 1; Q2; Q4; Q6; Q9; Q11; Q13 Exercise 6.3 Q1(i, iv, vi, vii); Q2(i, iv, v); Q3(i); Q4(i) Review Ex 6 Q1; Q8</p>		
Week 29	<p>Students will go through a thorough interactive discussion/ problem solving and revision session for Chapters 7 and 8 along the lines of exam preparation (focused and limited to the content given in the reduced syllabus i.e.</p> <p>Unit 7 Linear Equations and Inequalities Exercise 7.1 Q1(i, iii, v, vii, ix); Q2(i, ii, v, viii) Exercise 7.2 Q1; Q2(ii, iv, v, vii) Exercise 7.3 Q1(i, ii, iv, vii); Q2(i, ii, iii, viii) Review Ex 7 Q1; Q2</p> <p>Unit 8 Linear Graphs and their Applications Exercise 8.1 Q1; Q2(i, ii, iii, iv, v, vi, vii, xiii, xiv); Q5 Exercise 8.2 Q3(a, b, c); Q4 Exercise 8.3 Q1; Q2; Q3 Review Ex 8 Q1; Q2</p>		

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Physics

Resources	Available Time	
<p>Prescribed Textbook Physics 9, by Caravan Book House, Lahore</p> <p>Authors: Prof. Tahir Hassan Prof. Muhammad Naeem Anwar</p> <p>Resources: Physics 9, by Caravan Book House, Lahore</p> <p>Prescribed Notebook:</p> <ul style="list-style-type: none"> • Single Line Notebook (Large)/Register • Loose Sheets 	Weeks / Days	Class IX
	Total Weeks available	34 wks
	Study Time	26 wks
	School Assessments	03 wks
	Winter Break	10 days
	Revision & Test Series	02 wks
	Pre-Board Exams	03 Wks
	Federal Board Examination	

PHYSICS SSC-I

NOTE:

- All mini exercises, quick quiz and side information are excluded.
- Only topic based related MCQs, Short and Long Questions and numerical are included.

Unit 1 Physical Quantities and Measurements

- 1.2 Physical quantities
- 1.3 International system of units
- 1.4 Prefixes
- 1.5 Scientific Notation
- 1.6 Measuring Instruments (Vernier callipers, Screw gauge, Stop Watch only) (Tables: 1.2, 1.3, 1.4 included)

Unit 2 Kinematics

All theory topics 2.1- 2.7 and examples 2.1-2.7, 2.10 are included.

Unit 3 Dynamics

- 10.1 : Force, Inertia and Momentum
- 10.2 : Newton's Laws of Motion (1st 2nd 3rd, mass and weight, Force and Momentum, Law of Conservation of momentum only)
- 10.3 : Friction (Rolling Friction, Advantages / disadvantages of Friction, methods to reduce friction only)
- 10.4 : Uniform circular motion (Centripetal force and centrifugal force only)

Unit 4 Turning Effects of Forces

All Theory Topics 4.1- 4.8 are included.

Unit 5 Gravitation

- 5.1: The force of gravitation
- 5.2: Mass of Earth
- 5.3: Variation of g with Altitude

Unit 6 WORK AND ENERGY

Theory Topics (6.1-6.4), 6.8- efficiency, 6.9- power

Unit 7 Properties of Matter

- Theory Topics:
- 7.2 Density,

7.3 Pressure,

17.5 Pressure in Liquid {Pascal's Law, Application of Pascal's Law (Hydraulic PressOnly)}

17.6 Archimede'sPrinciple,

17.7 Principle ofFloatation

17.8 Elasticity, 7.9 Hook'sLaw

Unit8 Thermal Properties

8.3 Specific heat capacity, importance of large specific Heat capacity of water, heat capacity 8.8: Thermal expansion (linear and volume expansion) consequences and applications of thermal expansion only)

(Table: 8.1, 8.3, 8.4 included)

Block 6: Physics Weeks 27-29

Wks	Time line	Course Content Unit /Chapter/Topics
Week 27	11 Jan – 16 Jan	Need based Revision Unit 4 Turning Effects of Forces
Week 28	18 Jan – 23 Jan	Need based Revision Unit 5 Gravitation
Week 29	25 Jan - 30 Jan	Need based Revision Unit 6 Work and Energy

Syllabus Pack Block 6 (weeks 27-29)

Week	Topic/ Objectives	Study Guidelines	Resources
Week 27	<p>Students will go through a thorough interactive discussion/ problem solving and revision session for Unit 4 “Turning Effects of Forces” along the lines of exam preparation (focused and limited to the content given in the reduced syllabus i.e.</p> <p>All Theory Topics from 4.1- 4.8</p> <p>Relevant Exercise Questions should be reinforced by discussion followed by written practice</p>		
Week 28	<p>Students will go through a thorough interactive discussion/ problem solving and revision session for Unit 5 “Gravitation” along the lines of exam preparation (focused and limited to the content given in the reduced syllabus i.e.</p> <p>5.1: The force of gravitation 5.2: Mass of Earth 5.3: Variation of g with Altitude</p> <p>Relevant Exercise Questions should be reinforced by discussion followed by written practice</p>		
Week 29	<p style="text-align: center;">Need based Revision</p> <p>Students will go through a thorough interactive discussion/ problem solving and revision session for Unit 6 “Work and Energy” along the lines of exam preparation (focused and limited to the content given in the reduced syllabus i.e.</p>		

Week	Topic/ Objectives	Study Guidelines	Resources
	Theory Topics (6.1-6.4) 6.8: Efficiency 6.9: Power		
Relevant Exercise Questions should be reinforced by discussion followed by written practice			

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Chemistry

Resources	Available Time	
Prescribed Textbook <ul style="list-style-type: none"> • Textbook of Chemistry Grade 9 National Book Foundation As Federal Textbook Board- Islamabad • Practical Notebook Chemistry Class 9 & 10 Prescribed Notebook: Single-lined notebook (large)/Register	Weeks / Days	Class IX
	Total available	34wks
	Study Time	26wks
	School Assessments	03 wks
	Syllabus completion + Revision + Test Series	02 wks
	Pre board Exams	03 wks

Reduced SYLLABUS
CHEMISTRY SSC-I

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: 1 Fundamentals of Chemistry

Basic definitions, Matter, substance, Mixture (types), Elements, compound, Atomic number, Mass number, Relative mass unit, Empirical formula and Molecular formula, Types of molecular formula, Molecular mass calculation, concept of mole, Avogadro's number, chemical calculation, mole-mass calculation (1.5), Mole-particles calculation
Example(1.6,1.7).

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

Chapter:2 Structure of Atom

Rutherford atomic model (experiment, Defects), Bohr's atomic theory, electronic configuration

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

Chapter:3 Periodic Table and Periodicity of properties

Periods and groups of element, s and p blocks in periodic table, Periodicity of properties, Shielding effect and trends, atomic size and trends, Ionization energy and trends, Electron affinity and trends, electro negativity and trends.

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

Chapter:4 Structure of molecule

Chemical Bond, Types of bond, ionic bond, covalent bond, intermolecular forces.

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

Chapter:5 Physical state of Matter

Boyle's Law, Charles Law, Liquid state, evaporation, vapor pressure, boiling point, effect of external pressure on boiling point, sublimation, types of solids (Amorphous and crystalline).

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

Chapter: 6 Solution

Subject: Chemistry– IX**Session (2020-2021)**

Saturated, Unsaturated, Super Saturated Solution, Concentration Units (Percentage, Molarity, Solubility, Effect of Temperature on Solubility, Comparison of Solution, Suspension and Colloids (Only table is included).

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

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Chapter: 7 Electrochemistry

Oxidation, Reduction, oxidation reduction in term of loss or gain of electrons, oxidation state and rules for assigning oxidation state and oxidation number, oxidizing and reducing agent, Electrochemical cell, nature of electrochemical process, concept of electrolyte, electrolytic cell, use of electrolytic cell, galvanic cell (Daniel cell), Reaction in Daniel cell, Zinc electroplating, chromium electroplating, corrosion and its prevention, rusting of iron, corrosion of Aluminum, cathode protection.

Note: Related self-assessments, review exercise and think tank questions of Above mentioned topics are included. Side boxes and Society, science and technology are not included.

Chapter: 8 Chemical Reactivity

Metal, electropositive character, comparison of reactivity of Alkali and alkaline Earth metals, inertness of Noble metals, importance of silver, Gold, Platinum, Non-metals, Electro negativity character, comparison of reactivity of halogen.

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

CHEMISTRY – SSC I
LIST OF PRACTICALS

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 cm³ of 0.1M NaOH solution. Major

Prepare 250 cm³ of 0.1M HCl solution. Major

Prepare 100 cm³ of 0.1M NaOH solution from the given 1M solution. Major

Prepare 100 cm³ of 0.01M HCl solution from the given 0.1M solution. Major

Prepare 100 cm³ 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 7. Electrochemistry

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 different compound. Minor

Demonstrate that some chemical reactions absorb energy. Minor

Block 6: Chemistry Weeks 27-29

# of Wk	Time line	Course Content Unit /Chapter/Topics
Week 27	Jan 11-Jan 16	<ul style="list-style-type: none"> • <u>Chapter: 1</u> Fundamentals of Chemistry • <u>Chapter:2</u> Structure of Atom • Practical <p>(Revision & Recapitulation of all topics and sub topics of the chapter as per reduced syllabus by FBISE)</p>
Week 28	Jan 18-Jan 23	<ul style="list-style-type: none"> • <u>Chapter: 3</u> Periodic Table and Periodicity of properties • <u>Chapter:4</u> Structure of molecule • Practical <p>(Revision & Recapitulation of all topics and sub topics of the chapter as per reduced syllabus by FBISE)</p>
Week 29	Jan 25-Jan 30	<ul style="list-style-type: none"> • <u>Chapter: 5</u> States of matter • <u>Chapter:6</u> Solution • Practical <p>(Revision & Recapitulation of all topics and sub topics of the chapter as per reduced syllabus by FBISE)</p>

Syllabus Pack Block 6 (weeks 27-29)

Week	Topic/ Objectives	Study Guidelines	Resources
Week 27	<u>Chapter: 1</u> <u>Fundamentals of Chemistry</u> (Revision & Recapitulation of all topics and sub topics of the	<u>Explanation and Discussion:</u> <ul style="list-style-type: none"> • Revision of all the topics included in chapter 1 & 2 • Discussion on the specific topics that needs further clarification/ explanation 	<ul style="list-style-type: none"> • Textbook of Chemistry Grade 9 National Book Foundation as Federal Textbook

Week	Topic/ Objectives	Study Guidelines	Resources
	<p>chapter as per reduced syllabus by FBISE)</p> <ul style="list-style-type: none"> • Basic definitions,(Matter, substance, Mixture(types),Elements, compound) • Atomic number, Mass number, <p>9 Relative mass unit, 10 Empirical formula and Molecular formula</p> <ul style="list-style-type: none"> • Types of molecular formula • Molecular mass calculation, • Concept of Mole, Avogadro's number, • Chemical calculation, • Mole-mass calculation • Mole-particles calculation • Example(1.6,1.7) <p><u>Chapter:2</u> <u>Structure of Atom</u></p> <p>(Revision & Recapitulation of all topics and sub topics of the chapter as per reduced syllabus by FBISE)</p> <ul style="list-style-type: none"> • Rutherford atomic model (experiment, Defects), • Bohr's atomic theory • Electronic configuration <p><u>Practical:</u> Demonstration of</p>	<ul style="list-style-type: none"> • Preparation of tests to provides a more interactive way of learning • Students to do topic related Self -Assessment exercises, Examples ,Exercise questions of chapters independently • Students to discuss their problems/ difficulties related to the chapter with teacher. <ul style="list-style-type: none"> ➤ Summarize the concepts of the chapter through flow sheet diagram of concepts in brief ➤ Group/Pair discussion to reinforce the concepts that have been learnt. ➤ Practice of solving previous years Board papers ➤ Demonstration of practical followed by guided practice by students <p><u>Written work:</u> Written practice of All topic related questions from examples ,Self-Assessment exercises ,end of the chapter exercise and Think Tank).</p>	<p>Board- Islamabad</p> <ul style="list-style-type: none"> • Practical Notebook Chemistry Class 9 & 10 • Laptop / Tab / Smart Phone / internet • Board • Marker • Available A/V Aids • reliable websites for relevant information

Week	Topic/ Objectives	Study Guidelines	Resources
	<p>practical(teacher’s discretion as per requirement) by teacher and guided practice by students</p> <p>Objectives: Students will be able to:</p> <ul style="list-style-type: none"> • revise all the topics of the chapter 1 &2 • solve and calculate all topic related numerical problems of chapter 1 • learn the specific topics that needs further guidance • attempt questions that provides a more interactive way of learning • write the electronic configuration of elements as per Aufbau Principle • attempt all related questions from past papers • discuss their problems/ difficulties related to the chapters with teacher • present any given topic in the class • perform the practical as required and note down the observations and conclusions in Practical notebook 		
Week 28	<p><u>Chapter:3</u> <u>Periodic Table and Periodicity of properties</u> (Revision & Recapitulation of all</p>	<p><u>Explanation and Discussion:</u></p> <ul style="list-style-type: none"> • Revision of all the topics included in chapter 3 & 4 • Discussion on the specific topics that needs further clarification/ explanation 	<ul style="list-style-type: none"> • Textbook of Chemistry Grade 9 National Book Foundation as Federal Textbook

Week	Topic/ Objectives	Study Guidelines	Resources
	<p>topics and sub topics of the chapter as per reduced syllabus by FBISE)</p> <ul style="list-style-type: none"> ➤ Periods and groups of elements and p blocks in periodic table ➤ Periodicity of properties ➤ Shielding effect and trends ➤ Atomic size and trends ➤ Ionization energy and trends ➤ Electron affinity and trends ➤ Electro negativity and trends <p><u>Chapter:4</u> <u>Structure of molecule</u></p> <p>(Revision & Recapitulation of all topics and sub topics of the chapter as per reduced syllabus by FBISE)</p> <ul style="list-style-type: none"> ➤ Chemical Bond ➤ Types of bond ➤ Ionic bond ➤ Covalent bond ➤ Intermolecular forces. <p><u>Practical:</u> Demonstration of practical(teacher's discretion as per requirement) by teacher and guided practice by students</p> <p>Objectives: Students will be able to:</p> <ul style="list-style-type: none"> • revise all the topics of the chapter 3 & 4 	<ul style="list-style-type: none"> • Preparation of tests to provides a more interactive way of learning • Students to do topic related Self -Assessment exercises, Examples ,Exercise questions of chapters independently • Students to discuss their problems/ difficulties related to the chapter with teacher. ➤ Summarize the concepts of the chapter through flow sheet diagram of concepts in brief ➤ Group/Pair discussion to reinforce the concepts that have been learnt. ➤ Practice of solving previous years Board papers ➤ Demonstration of practical followed by guided practice by students <p><u>Written work:</u> Written practice of All topic related questions from examples ,Self-Assessment exercises ,end of the chapter exercises and Think Tank).</p>	<p>Board- Islamabad</p> <ul style="list-style-type: none"> • Practical Notebook Chemistry Class 9 & 10 • Laptop / Tab / Smart Phone / internet • Board • Marker • Available A/V Aids • reliable websites for relevant information • Marker

Week	Topic/ Objectives	Study Guidelines	Resources
	<ul style="list-style-type: none"> • learn the specific topics that needs further guidance • attempt questions that provides a more interactive way of learning • attempt all related questions from past papers • discuss their problems/ difficulties related to the chapters with teacher • present any given topic in the class • perform the practical as required and note down the observations and calculations in Practical notebook 		
Week 29	<p>Chapter:5 Physical state of Matter (Revision & Recapitulation of all topics and sub topics of the chapter as per reduced syllabus by FBISE)</p> <ul style="list-style-type: none"> ➤ Boyle’s Law, ➤ Charles Law ➤ Liquid state ➤ Evaporation ➤ Vapor pressure ➤ boiling point ➤ Effect of external pressure on boiling point ➤ Sublimation ➤ Types of solids (Amorphous and crystalline) 	<p><u>Explanation and Discussion:</u></p> <ul style="list-style-type: none"> • Revision of all the topics included in chapter 5 & 6 • Discussion on the specific topics that needs further clarification/ explanation • Preparation of tests to provides a more interactive way of learning • Students to do topic related Self -Assessment exercises, Examples ,Exercise questions of chapters independently • Students to discuss their problems/ difficulties related to the chapter with teacher. ➤ Summarize the concepts of the chapter through flow sheet diagram of concepts in brief ➤ Group/Pair discussion to reinforce the concepts that have been learnt. ➤ Practice of solving previous years Board papers ➤ Demonstration of practical followed by guided 	<ul style="list-style-type: none"> • Textbook of Chemistry Grade 9 National Book Foundation as Federal Textbook Board- Islamabad • Practical Notebook Chemistry Class 9 & 10 • Board • Marker • Available A/V Aids • reliable websites for relevant information

Week	Topic/ Objectives	Study Guidelines	Resources
	<p>Chapter: 6 <u>Solution</u> (Revision & Recapitulation of all topics and sub topics of the chapter as per reduced syllabus by F.BISE)</p> <ul style="list-style-type: none"> ➤ Saturated, Unsaturated, Super Saturated Solution, ➤ Concentration Units (Percentage, Molarity) • Solubility, • Effect of Temperature on Solubility, • Comparison of Solution, Suspension and Colloids (Only table is included). <p><u>Practical:</u> Demonstration of practical (teacher's discretion as per requirement) by teacher and guided practice by students Objectives: Students will be able to:</p> <ul style="list-style-type: none"> • revise all the topics of the chapter 5 & 6 • learn the specific topics that needs further guidance • attempt questions that provides a more interactive way of learning • attempt all related questions from past papers 	<p>practice by students</p> <p><u>Written work:</u> Written practice of All topic related questions from examples ,Self-Assessment exercises ,end of the chapter exercises and Think Tank).</p>	

Week	Topic/ Objectives	Study Guidelines	Resources
	<ul style="list-style-type: none">• discuss their problems/ difficulties related to the chapters with teacher• present any given topic in the class• perform the practical as required and note down the observations and calculations in Practical notebook		

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

Biology

Resources	Available Time	
Prescribed Textbook: <ul style="list-style-type: none"> • Biology 9 PLD Publishers, Lahore • Practical Notebook Biology Class 9& 10 Prescribed Notebook: <ul style="list-style-type: none"> • Single-lined notebook (large)/Register • Practical Notebook 	Weeks / Days	Class IX
	Total available	34wks
	Study Time	26wks
	School Assessments	03 wks
	Syllabus completion + Revision + Test Series	02 wks
	Pre Board Exams	03 wks
	Federal Board Examination	

BIOLOGY SSC-I
REDUCED SYLLABUS

BIOLOGY SSC-I

NOTE:

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

Ch. #	Chapter Name	Topics Included
1	Introduction to Biology	Introduction to Biology (2-3) Branches of Biology The Levels Of Organization (7-13)
2	Solving a Biological Problem	Biological Method (20-23) Theory, Law and Principle(26, 27) Data Organization And Data Analysis (27-28)
3	Biodiversity	Biodiversity (31) Importance of Biodiversity (32) Classification- Aims and Principles (33-35) Aims of classification Basis of classification Taxonomichierarchy Two kingdom classification system (36-38) Three kingdom classification system Five kingdom classification system The five kingdoms Binomial Nomenclature (39-40) Deforestation and Overhunting (43-44) Endangered Species In Pakistan (45-46)
4	Cells and Tissues	Cellular Structures and Function (57-65) Difference Between Eukaryotic and Prokaryotic Cells (66) Passage of Molecules into and Out of Cells Diffusion (69) Osmosis (70) (Water Balance Problems, Osmosis and Guard Cells, Application of Knowledge About Semi Permeable Membranes Excluded) Active Transport (73) Animal Tissues (74) Epithelial Tissues (Types Excluded) (75) Connective Tissues (75) Muscle Tissues (76-77) Nervous Tissue (77) Plant Tissues (78-82) Simple Tissues Meristematic Tissues (Types Excluded) Permanent Tissues (Names of Types Only) Compound Tissues (Names of Types Only)

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

5	Cell Cycle	Cell Cycle (87-88) Mitosis and Its Phases (89-91) Meiosis and Its Phases (95-100) Comparison Between Mitosis and Meiosis (101)
6	Enzymes	Enzyme Introduction (107-108) Characteristics of Enzymes (108-109)
		Factors Affecting Rate of Enzyme Action (109- 111) Mechanism Of Enzyme Action (111-112)
7	Bioenergetics	Oxidation and Reduction Reactions (118) ATP- The Cell's Energy Currency (119-120) Photosynthesis (120) Mechanism of Photosynthesis (121-122) Respiration (130) Aerobic and Anaerobic Respiration (130-131) (Importance of Fermentation excluded) Mechanism of Respiration (132)
8	Nutrition	Components of Human Food (143) Minerals (Table 8.2 excluded) (144) Role of Calcium and Iron (145) Effects of Water and Dietary Fiber (150) Digestion In Humans (157-165) (Disorders Excluded)
9	Transport	Transpiration (173) (Opening and Closing of Stomata Excluded, Factors Affecting the Rate of Transpiration Excluded) Significance of Transpiration (176) Transport in Human (184) Blood (185-187) (Table 9.2 Excluded) Human Heart (192-193) Pulmonary and systemic Circulation (193) Heartbeat (194-195) Heart Rate and Pulse Rate (195-196) Blood Vessels (197-198) (Table 9.1 Included)

BIOLOGY – SSC

List of Practical

1. Introduction to Biology

1. Study of different types of bacteria with the help of prepared slides 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

Block 6: Biology Weeks 27-29

Wks	Time line	Course Content Unit /Chapter/Topics
Week 27	Jan 11- Jan 16	Chapter 6 <u>Enzymes</u> (Revision of all topics and sub topics of the chapter as per reduced syllabus by FBISE)
Week 28	Jan 18- Jan 23	Chapter 7 <u>Bioenergetics</u> Chapter 8 (Revision of all topics and sub topics of the chapter as per reduced syllabus by FBISE) <u>Nutrition</u> (Revision of all topics and sub topics of the chapter as per reduced syllabus by FBISE)
Week 29	Jan 25 – Jan 30	Chapter <u>Transport</u> (Revision of all topics and sub topics of the chapter as per reduced syllabus by FBISE)

Syllabus Pack Block 6(weeks 27-29)

Week	Topic/ Objectives	Study Guidelines	Resources
Week 27	Chapter 6 <u>Enzymes</u> (Revision of all topics and sub topics of the chapter as per reduced syllabus by FBISE) ❖ Introduction ❖ Characteristics of Enzymes ❖ Factors Affecting Rate of Enzyme Action ❖ Mechanism Of Enzyme	<u>Explanation and Discussion:</u> ➤ Discussion and Explanation of all important topics of the chapter as per students' need . ➤ Worksheets to be prepared by the teacher and given to be solved. ➤ Class tests to be taken from significant topics <u>Written work:</u> Written practice of All topic related questions from exercise with practice of necessary drawings and webs.	<ul style="list-style-type: none"> • Biology 9 PLD Publishers, Lahore • Board • Marker • Available A/V Aids • Relevant and recommended websites by the teacher

Week	Topic/ Objectives	Study Guidelines	Resources
	<p>Action</p> <p>Objectives: At the end of week, students will be able to:</p> <ul style="list-style-type: none"> ➤ discuss and explain the important concepts given in the chapter. ➤ answer all topic related questions of the chapters as required in board papers. 		
<p>Week 28</p>	<p>Chapter 7 Bioenergetics (Revision of all topics and sub topics of the chapter as per reduced syllabus by FBISE)</p> <ul style="list-style-type: none"> ➤ Oxidation and Reduction Reactions ➤ ATP- The Cell's Energy Currency ➤ Photosynthesis ➤ Mechanism of Photosynthesis ➤ Respiration Aerobic and Anaerobic Respiration (Importance of Fermentation excluded) ➤ Mechanism of Respiration <p>Practical: Revision of the chapter related practical work</p>	<p>Explanation and Discussion:</p> <ul style="list-style-type: none"> ➤ Discussion and Explanation of all important topics of the chapters as per students' need . ➤ Worksheets to be prepared by the teacher and given to be solved. ➤ Class tests to be taken from significant/important topics ➤ Demonstration of the practical by teacher/practice by students (Revision) and completion of its written work in practical Notebooks. <p>Written work: Written practice of All topic related questions from exercise with practice of necessary figures and graphic organizers.</p>	<ul style="list-style-type: none"> • Biology 9 PLD Publishers, Lahore • Practical Notebook of Biology for 9 & 10 <ul style="list-style-type: none"> • Board • Marker • Available A/V Aids • Relevant and recommended websites by the teacher

Week	Topic/ Objectives	Study Guidelines	Resources
	<p>Chapter 8 <u>Nutrition</u> (Revision of all topics and sub topics of the chapter as per reduced syllabus by FBISE)</p> <ul style="list-style-type: none"> ➤ Components of Human Food ➤ Minerals (Table 8.2 excluded) ➤ Role of Calcium and Iron ➤ Effects of Water and Dietary Fiber ➤ Digestion In Humans (Disorders Excluded) <p><u>Practical:</u></p> <ul style="list-style-type: none"> ➤ Revision of the chapter related practical work <p><u>Objectives:</u> At the end of week, Students will be able to:</p> <ul style="list-style-type: none"> ➤ discuss and explain the important concepts given in the chapters. ➤ answer all topic related questions of the chapters as required in board papers. ➤ perform/describe the practical as required 		
Week 29	<p>Chapter 9 <u>Transport</u> (Revision of all topics and sub topics of the chapter as per reduced syllabus by FBISE)</p> <ul style="list-style-type: none"> ➤ Transpiration (Opening and Closing of Stomata Excluded, 	<p><u>Explanation and Discussion:</u></p> <ul style="list-style-type: none"> ➤ Discussion and Explanation of all important topics of the chapter as per students' need . ➤ Worksheets to be prepared by the teacher and given to be solved. ➤ Class tests to be taken from significant/important 	<ul style="list-style-type: none"> • Biology 9 PLD Publishers, Lahore • Practical Notebook of Biology for 9 & 10

Week	Topic/ Objectives	Study Guidelines	Resources
	<p>Factors Affecting the Rate of Transpiration Excluded)</p> <ul style="list-style-type: none"> ➤ Significance of Transpiration ➤ Transport in Human Blood (Table 9.2 Excluded) ➤ Human Heart ➤ Pulmonary and systemic Circulation ➤ Heartbeat ➤ Heart Rate and Pulse Rate ➤ Blood Vessels (197-198) (Table 9.1 Included) <p><u>Practical:</u></p> <ul style="list-style-type: none"> • Revision of the chapter related practical work <p><u>Objectives:</u></p> <p>At the end of week, Students will be able to:</p> <ul style="list-style-type: none"> ➤ discuss and explain the important concepts given in the chapters. ➤ answer all topic related questions of the chapters as required in board papers. ➤ perform/describe the practical as required 	<p>topics</p> <p><u>Written work:</u></p> <p>Written practice of all topic related questions from exercise with practice of necessary figures and graphic organizers.</p> <p><u>Practical</u></p> <ul style="list-style-type: none"> ➤ Demonstration of the practical by teacher/practice by students (Revision) and completion of its written work in practical Notebooks. 	<ul style="list-style-type: none"> • Board • Marker • Available A/V Aids • Relevant and recommended websites by the teacher

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

Computer Science

Resources	Available Time														
<p>Prescribed Textbook</p> <ul style="list-style-type: none"> Text book of Computer Science Grade-9 National Book Foundation as Federal Textbook Board Islamabad. <p>Authors: Muhammad Sajjad Haider MS (Computer Science), USA, BE(Mechanical Engineering), Korea Muhammad Khalid MS (Computer Science), B.Ed , University of Peshawar ,Pakistan</p> <p>Resources:</p> <ul style="list-style-type: none"> Text book of Computer Science Grade-9 National Book Foundation as Federal Textbook Board Islamabad. Star Computer Practical Notebook for Class IX <p>Prescribed Notebook:</p> <ul style="list-style-type: none"> Single-lined notebook (large) 	<table border="1"> <thead> <tr> <th>Weeks / Days</th> <th>Class IX</th> </tr> </thead> <tbody> <tr> <td>Total available</td> <td>34wks</td> </tr> <tr> <td>Study Time</td> <td>26wks</td> </tr> <tr> <td>School Assessments</td> <td>03 wks</td> </tr> <tr> <td>Revision + Test Series</td> <td>02 wks</td> </tr> <tr> <td>Pre Board Exam</td> <td>03 wks</td> </tr> <tr> <td colspan="2">Federal Board Examination</td> </tr> </tbody> </table>	Weeks / Days	Class IX	Total available	34wks	Study Time	26wks	School Assessments	03 wks	Revision + Test Series	02 wks	Pre Board Exam	03 wks	Federal Board Examination	
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Total available	34wks														
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School Assessments	03 wks														
Revision + Test Series	02 wks														
Pre Board Exam	03 wks														
Federal Board Examination															

List of Topics for Theory :

Unit 01: Fundamentals of Computer Science (complete chapter)

Unit 02: Fundamentals of Operating System (reduced)

➤ 2.1 Introduction (Included)

➤ 2.2 Operating System (Included)

Unit 03 :Skipped: whole chapter in theory, topic will be covered in practicals

Unit 04 :Data Communication (complete chapter)

Unit 05 :Computer Network (complete chapter)

Unit 06 :Computer Security and Ethics (complete chapter)

Block 6:Computer Science Weeks 27-29

Wks	Time line	Course Content Unit /Chapter/Topics
Week 27	Jan 11- Jan 16 (Revision)	Revision of Chapter 1: Fundamentals of computer <ul style="list-style-type: none"> ➤ Evolution of computer ➤ History and Generations of Computer ➤ Types Of Computer ➤ Classification Of Digital Computers ➤ Use of Computers in various fields ➤ Careers in Information Technology ➤ Hardware Components of Computer ➤ Input Devices ➤ System Unit ➤ Storage Devices ➤ Output Devices ➤ Memory ➤ Ports, Expansion Slots and Expansion Cards ➤ Output Devices ➤ Memory ➤ Ports, Expansion Slots and Expansion Cards • System Software • Application Software • Open Source Software, Shareware and Freeware • Related Questions at the end of Chapter Revision of Chapter 2: Fundamentals of Operating System <ul style="list-style-type: none"> • Objectives of Operating System • Functions of Operating System • Common types of Operating Systems • Command Line Interface (CLI) • Menu driven interface • Graphical User Interface (GUI) • Classification of Operating System • Types of Operating Systems • Basic Icons of GUI Operating System • Related Questions at the end of Chapter

Wks	Time line	Course Content Unit /Chapter/Topics
Week 28	Jan 18- Jan 23 (Revision)	Revision of Chapter 4: Data Communication <ul style="list-style-type: none"> • Basic Terms of Data Communication • Components of a Communication System • Characteristics of a Good Communication System • Asynchronous and Synchronous Transmission Modes • Transmission Media • Types of Transmission Media • Guided Media • Unguided Media • Transmission Impairments • Communication Devices • Communication Terminologies • Data transmission terminologies • Characteristics of Communication Channel • Related Questions at the end of Chapter
Week 29	Jan 25- Jan 30 (Revision)	Revision of Chapter 5: Computer Networks <ul style="list-style-type: none"> • Introduction to networks • Types of networks • Network topology • Communications over networks • Related Questions at the end of Chapter Revision of Chapter 6: Computer security and ethics <ul style="list-style-type: none"> • Introduction to Networks • Computer Network • Uses of Networks • Data Transmission Modes • Network Architecture • Type of Network Architecture • Types of Networks • Types of networks based on geographical area • Types of Network Topologies • Communications Over Networks • Communication via Telephone Networks

Wks	Time line	Course Content Unit /Chapter/Topics
		<ul style="list-style-type: none"> • Types of Modems • Comparison between Data Communication Lines • Computer Security • Computer Viruses • Authentication Mechanisms • Authentication Methodologies • Computer Ethics • Related Questions at the end of Chapter

Syllabus Pack Block 6 (weeks 27-29)

Week	Topic/ Objectives	Study Guidelines	Resources
Week 27 (Revision)	<p>Chapter # 1: Fundamentals of computer (Revision)</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> • Revise all concepts given on pg#8-33 regarding Fundamentals of Computer. 	<ul style="list-style-type: none"> • Revise all important definitions and topics given in textbook • Use Computer, Laptop, Tabs /smart phone to go over the internet and search on Google about the Fundamentals of Computer. • Watch the topics(mentioned in block) related videos on sabaq.pk and e learn. – Revise the concepts given in Ch#1(Introduction to Computer) • 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. • Short & long questions of worksheets further contain their respective types e.g Role of computer, Computer hardware, computer software etc. • Ask students to perform practically in the computer Lab. • Revise the answers of relevant questions given at the end of chapter. 	<ul style="list-style-type: none"> • Textbook of Computer Science Grade 9 • National Book Foundation Islamabad As Federal Textbook Board- Islamabad pgs 8-33 • Exercise(MCQs Short Q/A, Long Q/A) <p>Reference Links:</p> <ul style="list-style-type: none"> • Watch the topic related videos on sabaq.pk Solve the practice test given with topics on sabaq.pk

	<p>Chapter # 2: Fundamentals of operating system (Revision)</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> • Revise all concepts given on pg#36-47 regarding Fundamentals of Computer. 	<ul style="list-style-type: none"> • Revise all important definitions and topics given in textbook • Use Computer, Laptop, Tabs /smart phone to go over the internet and search on Google about the Fundamentals of Operating System. • Watch the topics(mentioned in block) related videos on sabaq.pk and e learn. – Revise the concepts given in Ch#2(Fundamentals of Operating System) • 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. • Short & long questions of worksheets further contain their respective types e.g Operating system ,system installation etc. • Ask students to perform practically in the computer Lab. • Revise the answers of relevant questions given at the end of chapter 	<ul style="list-style-type: none"> • Textbook of Computer Science Grade 9 • National Book Foundation Islamabad As Federal Textbook Board- Islamabad pgs 36-47 • Exercise(MCQs Short Q/A,Long Q/A) <p>Reference Links:</p> <ul style="list-style-type: none"> • Watch the topic related videos on sabaq.pk Solve the practice test given with topics on sabaq.pk
<p>Week 28 (Revision)</p>	<p>Chapter # 4: Data Communication (Revision)</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> • Revise all concepts given on pg#124-139 regarding Fundamentals of Computer. 	<ul style="list-style-type: none"> • Revise all important definitions and topics given in chapter. • Use Computer, Laptop, Tabs /smart phone to go over the internet and search on Google about the Data Communication. • Watch the topics(mentioned in block) related videos on sabaq.pk and e- learn. – Revise the concepts given in Ch#4(Data Communication) • 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. • Short & long questions of worksheets further contain their respective types.e.g Transmission Media, Communication Technology etc. • Ask students to perform practically in the computer Lab 	<ul style="list-style-type: none"> • Textbook of Computer Science Grade 9 • National Book Foundation Islamabad As Federal Textbook Board- Islamabad pgs 124-139 • Exercise(MCQs Short Q/A,Long Q/A) <p>Reference Links:</p> <ul style="list-style-type: none"> • Watch the topic related videos on sabaq.pk Solve the practice test given with topics on sabaq.pk

		<ul style="list-style-type: none"> • Revise the answers of relevant questions given at the end of chapter. 	
<p>Week 29 (Revision)</p>	<p>Chapter # 5: Computer Networks (Revision)</p> <p>Students will be able to:</p> <ul style="list-style-type: none"> • Revise all concepts given on pg#140-157 regarding Fundamentals of Computer. <p>Chapter # 6: Computer Security and Ethics (Revision)</p>	<ul style="list-style-type: none"> • Revise all important definitions and topics given in chapter. • Use Computer, Laptop, Tabs /smart phone to go over the internet and search on Google about the Computer Networks. • Watch the topics(mentioned in block) related videos on sabaq.pk and e- learn. – Revise the concepts given in Ch#5(Computer Networks) • 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. • Short & long questions of worksheets further contain their respective types.g Communication over networks etc. • Ask students to perform practically in the computer Lab • Revise the answers of relevant questions given at the end of chapter. <ul style="list-style-type: none"> • Revise all important definitions and topics given in chapter. • Use Computer, Laptop, Tabs /smart phone to go over the internet and search on Google about the Computer Security and Ethics. • Watch the topics(mentioned in block) related videos on sabaq.pk and e learn. 	<ul style="list-style-type: none"> • Textbook of Computer Science Grade 9 • National Book Foundation Islamabad As Federal Textbook Board- Islamabad pgs 140-157 • Exercise(MCQs Short Q/A, Long Q/A) <p>Reference Links:</p> <ul style="list-style-type: none"> • Watch the topic related videos on sabaq.pk • Solve the practice test given with topics on sabaq.pk • Textbook of Computer Science Grade 9 • National Book Foundation Islamabad As Federal Textbook Board- Islamabad pgs 158-172 • Exercise(MCQs Short Q/A, Long Q/A) <p>Reference Links:</p> <ul style="list-style-type: none"> • Watch the topic related videos on sabaq.pk • Solve the practice test given with topics on sabaq.pk

Subject: Computer Science– IX**Session (2020-2021)**

	<p>Students will be able to:</p> <ul style="list-style-type: none">• Revise all concepts given on pg#158-172 regarding fundamentals of Computer.	<ul style="list-style-type: none">– Revise the concepts given in Ch#6(Computer Security and Ethics)• 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.• Short & long questions of worksheets further contain their respective types e.g Computer virus, Authentication Mechanism computer ethics etc.• Ask students to perform practically in the Computer Lab• Revise the answers of relevant questions given at the end of chapter.	
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2020ء - 2021ء

ایپیسکس سلیمس پبلک ایس ایس سی IX

کولڈ + وارم ریجن

2020ء - 2021ء

اسلامیات

دورانیہ		ذرائع
		<u>درسی کتاب:</u>
34	کل ہفتے	اسلامیات لازمی (۹-۱۰) پنجاب ٹیکسٹ بک بورڈ لاہور
26	تدریسی ہفتے	
03	اسکول اسمنٹس	<u>رجسٹر: ۰۱</u>
02	دہرائی + ٹیسٹ سیریز	
03	پری بورڈ	
بورڈ امتحانات		

☆ 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 2020ء کو FBISE 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 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۔

<u>الجزء الثاني</u>	<u>الجزء الاول</u>
من هدي الحديث	من هدي القرآن الكريم
1- ترجمه (حديث نمبر 1031)	سورة الانفال آيات (4831) (صفحہ نمبر 1737)
2- تشریح و عملی زندگی سے تعلق (حديث 531)	• الدرس الاول (ا)
<u>الجزء الثالث</u>	• الدرس الاول (ب)
موضوعاتی مطالعہ	• الدرس الاول (ج)
1- قرآن مجید (تعارف، حفاظت اور فضائل)	• الدرس الثاني (ا)
2- اللہ تعالیٰ اور اس کے رسول حضرت محمد خاتم النبیین ﷺ کی محبت اور اطاعت	• الدرس الثاني (ب)
3- علم کی فرضیت اور فضیلت	• الدرس الثاني (ج)
4- زکوٰۃ (فرضیت، اہمیت اور مصارف)	(بامحاورہ ترجمہ، الکلمات والتراکیب بشمول التمارین مکمل)
<u>نوٹ</u> : مذکورہ بالاتینوں موضوعات کے تمام مشقی سوالات شامل ہیں۔	

نصابی مواد باب/سبق/موضوعات	تائیم لائن	ہفتہ نمبر
باب اول: من ہدی القرآن الکریم ☆سورۃ الانفال (آیات ۱ - ۱۹) دہرائی	11 جنوری - 16 جنوری	ستائیسواں ہفتہ
باب اول: من ہدی القرآن الکریم ☆سورۃ الانفال (آیات ۲۰ - ۳۷) دہرائی	18 جنوری - 23 جنوری	اٹھائیسواں ہفتہ
باب اول: من ہدی القرآن الکریم ☆سورۃ الانفال (آیات ۳۸ - ۴۸) دہرائی	25 جنوری - 30 جنوری	اتیسواں ہفتہ

سلیبس پیک بلاک 6 (ستائیسواں تا اٹھائیسواں ہفتے)

ذرائع	تدریسی ہدایات	موضوعات/مقاصد	ہفتہ نمبر
<ul style="list-style-type: none"> اسلامیات لازمی (9-10) (ص: 7-10) قرآن مجید مع ترجمہ تفسیر قرآن انٹرنیٹ (قاری کی تلاوت) 	<ul style="list-style-type: none"> - سورۃ الانفال (آیات ۱ - ۴۸) پر مشتمل اسباق طلباء جماعت ہشتم میں پڑھ چکے ہیں۔ لہذا امتحانات کی تیاری کو مد نظر رکھتے ہوئے، سلیبس پیک بلاک-6 میں طلباء کو سورۃ الانفال کی آیات ۱-۴۸ کی دہرائی کروائی جائے گی۔ - طلباء کو سورۃ الانفال (آیات ۱ - ۱۹) کی دہرائی کروائی جائے۔ - کسی معروف قاری کی آواز میں آیات مبارکہ کی تلاوت سن کر ان کی طرح پڑھنے کی مشق کی جائے۔ - سورۃ الانفال (آیات ۱ - ۱۹) مع ترجمہ کی دہرائی کروائی جائے اور ان میں بیان کردہ 	<p>باب اول: من ہدی القرآن الکریم ☆سورۃ الانفال (آیات ۱ - ۱۹) دہرائی طلباء اس قابل ہوں گے کہ:</p> <ul style="list-style-type: none"> • درست تلفظ اور قرأت کے ساتھ آیات مبارکہ کی دہرائی کر سکیں۔ • آیات مبارکہ کو سمجھ کر ان کا ترجمہ و تشریح کر سکیں۔ 	ستائیسواں ہفتہ

	<p>احکامات و واقعات پر جماعت میں زبانی تبادلہ خیال کیا جائے۔ - آیات کی روشنی میں مشقی سوالات کے جوابات کی دہرائی کی جائے۔</p>	<p>- سبق کی روشنی میں مشقی سوالات کے جوابات کی دہرائی کر سکیں</p>	
<p>اسلامیات لازمی (9-10) • (ص: 11-14) • قرآن مجید مع ترجمہ • تفسیر قرآن • انٹرنیٹ (قاری کی تلاوت)</p>	<p>• طلبا کو سورۃ الانفال (آیات ۲۰ - ۳۷) کی دہرائی کروائی جائے۔ • کسی معروف قاری کی آواز میں آیات مبارکہ کی تلاوت سُن کر اُن کی طرح پڑھنے کی مشق کی جائے۔ • سورۃ الانفال (آیات ۲۰ - ۳۷) مع ترجمہ کی دہرائی کروائی جائے اور اُن میں بیان کردہ احکامات و واقعات پر جماعت میں زبانی تبادلہ خیال کیا جائے۔ • آیات کی روشنی میں مشقی سوالات کے جوابات کی دہرائی کی جائے۔</p>	<p>باب اول: من ہدی القرآن الکریم ☆ سورۃ الانفال (آیات ۲۰ - ۳۷) دہرائی طلباء اس قابل ہوں گے کہ: • درست تلفظ اور قرأت کے ساتھ آیات مبارکہ کی دہرائی کر سکیں۔ • آیات مبارکہ کو سمجھ کر اُن کا ترجمہ و تشریح کر سکیں۔ • سبق کی روشنی میں مشقی سوالات کے جوابات کی دہرائی کر سکیں۔</p>	<p>اٹھائیسواں ہفتہ</p>
<p>اسلامیات لازمی (9-10) • (ص: 15-18) • قرآن مجید مع ترجمہ • تفسیر قرآن • انٹرنیٹ (قاری کی تلاوت)</p>	<p>• طلبا کو سورۃ الانفال (آیات ۳۸ - ۴۸) کی دہرائی کروائی جائے۔ • کسی معروف قاری کی آواز میں آیات مبارکہ کی تلاوت سُن کر اُن کی طرح پڑھنے کی مشق کی جائے۔ • سورۃ الانفال (آیات ۳۸ - ۴۸) مع ترجمہ کی دہرائی کروائی جائے اور اُن میں بیان کردہ احکامات و واقعات پر جماعت میں زبانی تبادلہ خیال کیا جائے۔ • آیات کی روشنی میں مشقی سوالات کے جوابات کی دہرائی کی جائے۔</p>	<p>باب اول: من ہدی القرآن الکریم ☆ سورۃ الانفال (آیات ۳۸ - ۴۸) دہرائی طلباء اس قابل ہوں گے کہ: • درست تلفظ اور قرأت کے ساتھ آیات مبارکہ کی دہرائی کر سکیں۔ • آیات مبارکہ کو سمجھ کر اُن کا ترجمہ و تشریح کر سکیں۔ • سبق کی روشنی میں مشقی سوالات کے جوابات کی دہرائی کر سکیں۔</p>	<p>اتیسواں ہفتہ</p>

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

Pakistan Studies

Resources	Available Time	
<p>Prescribed Textbooks: Pakistan Studies 9 (G. F.H. Publishers Lahore)</p> <p>Resources: Pakistan Studies For Class X (Punjab Textbook Board, Lahore)</p> <p>Notebooks Prescribed: Single Lined Notebook (large):1</p>	Weeks / Days	Class IX
	Total available	34 wks
	Study Time	26+ wks
	School Assessments	03 wks
	Winter Break	10 days
	Revision + Test Series	02 wks
	Pre Board Exams	03 wks
	Federal Board Examination	

**PAKISTAN STUDIES SSC-I
Reduced Syllabus by FBISE**

CHAPTER 1 IDEOLOGICAL BASIS OF PAKISTAN

TOPICS: Basis of the Ideology of Pakistan, Two Nation Theory: Origins, Evolution and explication, The ideology of Pakistan and Quaid-i-Azam

CLASS WORK: Long questions: 5-6-8

HOMEWORK: Short questions: 1-2-3-4-5-7-9-13

CHAPTER 2 MAKING OF PAKISTAN

Topics: Pakistan Resolution 1940, Background of Pakistan resolution, Quaid-e-Azam presidential address, text of the resolution, reaction to the resolution, Jinnah-Gandhi talks 1944, Cabinet mission plan 1946, talks with different political leaders, proposal of cabinet mission, reaction of political parties to cabinet mission. Interim government 1946-47, 3rd June 1947 plan, Quaid-e-Azam, Role in making of Pakistan, services rendered by Quaid-e-Azam.

CLASS WORK: Long question 5-6-8-10

HOMEWORK: Short questions 3-4-5-6-9-11-12-13-15

CHAPTER 3 LAND AND ENVIRONMENT

Topics: Location of Pakistan, regions of Pakistan with reference to temperature, climatic regions of Pakistan, plain region, major environmental hazards and their remedies, environmental pollution and its types, threats to water, soil, vegetation and wildlife.

CLASS WORK: Long questions: 5-8-11-12-14-15-16

HOMEWORK: Short questions 1-2-3-5-7-11-12

CHAPTER 4 HISTORY OF PAKISTAN (Part 1)

Topics: Early problems of Pakistan, Quaid-i-Azam, role as first governor general of Pakistan, Pakistan objective resolution 1949, Muslim family laws ordinance 1961, Indo-Pak war 1965, events of war, naval war, ceasefire, effects of war, unity and solidarity among Pakistani people. Economic development: the second five years plan (1960-65), the third five years plan (1965-70). Separation of East Pakistan and emergence of Bangladesh, causes of separation of East Pakistan.

CLASS WORK: Long question: 5-6-8-10-11

HOMEWORK: Short question: 3-4-5-6-7-9-13-14-15

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 3 and Chapter 4 will continue in Study Pack 6.*

Block 6: Pakistan Studies Weeks 27-29

# of wks	Time line	Course Content Unit /Chapter name
Week 27	Jan 11- Jan 16	Chapter 3: Land and Environment <ul style="list-style-type: none"> • Location of Pakistan • Regions of Pakistan with reference of Temperature <ul style="list-style-type: none"> • Climatic Regions of Pakistan • plain region • Major Environmental Hazards and Their Remedies • Environmental Pollution and its Types: Threats to Water, Soil and Wildlife
Week 28	Jan 18- Jan 23	Chapter 4 :History of Pakistan (Part-1) <ul style="list-style-type: none"> • Early Problems of Pakistan • Quaid-e-Azam's Role as First Governor General of Pakistan ○ Pakistan Objectives Resolution 1949 ○ Muslim Family Laws Ordinance 1961
Week 29	Jan 25- Jan 30	Chapter 4 : History of Pakistan (Part-1) <ul style="list-style-type: none"> ○ Indo Pak War 1965 • Events of war, naval war, ceasefire, • Effects of war, unity and solidarity among Pakistani people. ○ Economic development: <ul style="list-style-type: none"> • The second five years plan (1960-65) • The third five years plan (1965-70). ○ Separation of East Pakistan and emergence of Bangladesh, ○ Causes of separation of East

2020ء - 2021ء

ایپسیکس سلیبس پیک ایس ایس سی I

کولڈ اینڈ وارم ریجن

2021-2020

اخلاقیات

دورانیہ		ذرائع
34	کل ہفتے	<p>درسی کتاب:</p> <p>اخلاقیات (9-10)</p> <p>پنجاب ٹیکسٹ بک بورڈ لاہور</p> <p>رجسٹر: ۱- بڑا (Large)/نوٹ بک</p>
26	تدریسی ہفتے	
03	اسیسمنٹ 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:

وفاقی وزارتِ تعلیم نے ۱۴ اکتوبر ۲۰۲۰ء کو FBISE کی آفیشل ویب سائٹ پر، ایس ایس سی کے سالانہ بورڈ امتحانات کے لئے کم کیا گیا نصاب / سلیبس 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۔

ETHICS (For non-muslims)
For Class-IX (50 Marks)

1. INTRODUCTION TO RELIGIONS

- The psychological and personal value of religion
- The social and ethical value of religion

3. ETHICS AND VALUES

- Primacy of God
- Systems and places of worship and their collective impact on peoples' behavior with reference to main religions (Hinduism, Buddhism, Zoroastrianism, Christianity, Islam, Sikhism . . .)

4. ETIQUETTES

- Places of worship

5. PERSONALITIES

- Imam Ghazali
- Florence Nightingale

نصابی مواد باب / سبق / موضوعات	ہفتے / دن	ہفتہ
چوتھا باب: آداب • عبادت گاہوں کے آداب (دہرائی)	جنوری ۱۱-جنوری ۱۶	ستائیسواں ہفتہ
پانچواں باب: مشاہیر • امام غزالی (دہرائی)	جنوری ۱۸-جنوری ۲۳	اٹھائیسواں ہفتہ
پانچواں باب: مشاہیر • فلورنس نائیٹ انگیل (دہرائی)	جنوری ۲۵-جنوری ۳۰	اسیسواں ہفتہ

سلیبس پیک بلاک 6 (ستائیسواں تا اسیسواں ہفتے)

ذرائع	تدریسی ہدایات	موضوعات / مقاصد	ہفتہ نمبر
☆ اخلاقیات (9-10) پنجاب ٹیکسٹ بک بورڈ لاہور صفحات: 58 تا 62 ☆ بورڈ، مارکر	<ul style="list-style-type: none"> • طلبا سبق "عبادت گاہوں کے آداب" میں پڑھی گئیں معلومات کی روشنی میں عبادت گاہوں کے مشترکہ آداب اور مختلف عبادت گاہوں کے آداب پر تبادلہ خیال کریں۔ • تمام سبقی معلومات اور مشقی سوالات کی دہرائی کریں۔ 	<p>چوتھا باب: آداب عبادت گاہوں کے آداب طلباء اس قابل ہوں گے کہ:</p> <p>۱۔ پڑھی گئیں تمام سبقی معلومات اور مشقی سوالات کا اعادہ کر سکیں۔</p>	ستائیسواں ہفتہ

<p>☆ اخلاقیات (9-10) پنجاب ٹیکسٹ بک بورڈ لاہور صفحات: 72 تا 75 ☆ بورڈ، مارکر</p>	<ul style="list-style-type: none"> • سبق "امام غزالی" میں پڑھی گئیں معلومات، امام غزالی کے حالات زندگی، تعلیم کے حصول کی کوششیں، تصانیف اور ان کے فلسفہ اخلاق اور دیگر تمام معلومات پر تبادلہ خیال کریں۔ • تمام سبقی معلومات اور مشقی سوالات کی دہرائی کریں۔ 	<p>پانچواں باب: مشاہیر امام غزالی طلباء اس قابل ہوں گے کہ: ا۔ پڑھی گئیں تمام سبقی معلومات اور مشقی سوالات کا اعادہ کر سکیں۔</p>	<p>اٹھائیسواں ہفتہ</p>
<p>☆ اخلاقیات (9-10) پنجاب ٹیکسٹ بک بورڈ لاہور صفحات: 80 تا 83 ☆ بورڈ، مارکر</p>	<ul style="list-style-type: none"> • سبق "فلورنس نائیٹ انگیل" ایک نیک دل نرس کے حوالے سے فلورنس نائیٹ انگیل کے حالات زندگی اور نرسنگ کے شعبے میں ان کی خدمات اور اعزازات کے بارے میں دی گئیں تمام سبقی معلومات پر تبادلہ خیال کریں۔ • تمام سبقی معلومات اور مشقی سوالات کی دہرائی کریں۔ 	<p>پانچواں باب: مشاہیر فلورنس نائیٹ انگیل طلباء اس قابل ہوں گے کہ: ا۔ پڑھی گئیں تمام سبقی معلومات اور مشقی سوالات کا اعادہ کر سکیں۔</p>	<p>اٹتیسواں ہفتہ</p>