

Pakistan Navy Cadet College Ormara
Syllabus breakdown (session 2020-21)
1st Term (06 April to 29 May 2020)

Class: **VIII**

Subject: **Mathematics**

MONTH	WEEK	CHAPTER/TOPIC	Reference Book
April 2020	1 st (6– 10 April)	Ch# 01 (Matrices and Determinants) <ul style="list-style-type: none"> • Introduction to Matrices • Types of Matrices 	Mathematics 9 th Punjab text book Board Publisher: Caravan Book House, Lahore
	2 nd (13– 17 April)	Ch# 01 (Matrices and Determinants) <ul style="list-style-type: none"> • Addition and Subtraction of Matrices • Multiplication of Matrices 	
	3 rd (20– 24 April)	Ch# 01 (Matrices and Determinants) <ul style="list-style-type: none"> • Multiplicative Inverse of a Matrix • Solution of Simultaneous Linear Equations 	
	4 th (27 Apr– 01 May)	Revision of Ch# 01	
May 2020	1 st (4– 8 May)	Ch# 02 (Real and Complex Number) <ul style="list-style-type: none"> • Real Numbers • Properties of Real Numbers 	
	2 nd (11– 15 May)	Ch# 02 (Real and Complex Number) <ul style="list-style-type: none"> • Radicals and Radicands • Laws of Exponents/ Indices 	
	3 rd (18– 22 May)	Ch# 02 (Real and Complex Number) <ul style="list-style-type: none"> • Complex Numbers • Basic Operations on Complex Numbers 	
	4 th (25 – 29 May)	<ul style="list-style-type: none"> • Rationalization • Revision of Ch# 02 	

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Class: **VIII**

Subject: **Chemistry**

MONTH	WEEK	CHAPTER/TOPIC	Reference Book
April 2020	1 st (6– 10 April)	Ch# 01 (Fundamental of Chemistry) <ul style="list-style-type: none"> • Branches of chemistry • Basic Definitions 	Chemistry 9 th Publisher: National book Foundation as Federal Board Islamabad
	2 nd (13– 17 April)	Ch# 01 (Fundamental of Chemistry) <ul style="list-style-type: none"> • Chemical Species 	
	3 rd (20– 24 April)	Ch# 01 (Fundamental of Chemistry) <ul style="list-style-type: none"> • Avogadro's Number and Mole 	
	4 th (27 Apr– 01 May)	Ch# 01 (Fundamental of Chemistry) <ul style="list-style-type: none"> • Chemical Calculations 	
May 2020	1 st (4– 8 May)	Ch# 02 (Structure of Atoms) <ul style="list-style-type: none"> • Theories & Experiments related to atomic structure 	
	2 nd (11– 15 May)	Ch# 02 (Structure of Atoms) <ul style="list-style-type: none"> • Isotopes 	
	3 rd (18– 22 May)	Ch# 02 (Structure of Atoms) <ul style="list-style-type: none"> • Electronic configuration 	
	4 th (25 – 29 May)	Revision of Ch# 01 & Ch# 02	

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Class: **VIII**

Subject: **Physics**

MONTH	WEEK	CHAPTER/TOPIC	Reference Book
April 2020	1 st (6– 10 April)	Ch# 01 (Physical Quantities and Measurement) <ul style="list-style-type: none"> • Introduction to Physics • Physical quantities • International System of units 	Physics 9 th Panjab Text Book Board Publisher: karwan book house, Lahore
	2 nd (13– 17 April)	Ch# 01 (Physical Quantities and Measurement) <ul style="list-style-type: none"> • Prefixes (Multiples and sub-multiples) • Scientific Notation • Standard Form 	
	3 rd (20– 24 April)	Ch# 01 (Physical Quantities and Measurement) <ul style="list-style-type: none"> • Measuring instruments • Significant figures 	
	4 th (27 Apr– 01 May)	Ch# 02 (Kinematics) <ul style="list-style-type: none"> • Rest and motion • Types of motion 	
May 2020	1 st (4– 8 May)	Ch# 02 (Kinematics) <ul style="list-style-type: none"> • Scalars and vectors • Terms associated with motion 	
	2 nd (11– 15 May)	Ch# 02 (Kinematics) <ul style="list-style-type: none"> • Graphical analysis of motion • Equations of motion 	
	3 rd (18– 22 May)	Ch# 02 (Kinematics) <ul style="list-style-type: none"> • Motion due to gravity 	
	4 th (25 – 29 May)	Revision of Ch# 02 & 03	

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Class: **VIII**

Subject: **Biology**

MONTH	WEEK	CHAPTER/TOPIC	Reference Book
April 2020	1 st (6– 10 April)	Ch# 01 (Introduction to Biology) • Divisions and branches of biology	Biology 9 th Punjab Text Book Board Publisher: karwan book house, Lahore
	2 nd (13– 17 April)	Ch# 01 (Introduction to Biology) • Relation of biology to other sciences	
	3 rd (20– 24 April)	Ch# 01 (Introduction to Biology) • Quran and biology	
	4 th (27 Apr– 01 May)	Ch# 01 (Introduction to Biology) • The level of organization	
May 2020	1 st (4– 8 May)	Revision of Ch#01	
	2 nd (11– 15 May)	Ch# 02 (Solving of Biological Problem) • Biological method	
	3 rd (18– 22 May)	Ch# 02 (Solving of Biological Problem) • Data organization and data analysis	
	4 th (25 – 29 May)	Ch# 02 (Solving of Biological Problem) • Mathematics as an integral part of scientific process	

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Class: **VIII**

Subject: **History**

MONTH	WEEK	CHAPTER/TOPIC	Reference Book
April 2020	1 st (6– 10 April)	Ch# 01 (Consolidation of British Rule) • Page (1-4)	History 8 th Punjab (Curriculum and Text Book Board Lahore)
	2 nd (13– 17 April)	Ch# 01 (Consolidation of British Rule) • Page (5-9)	
	3 rd (20– 24 April)	Ch# 01 (Consolidation of British Rule) • Page (10-12)	
	4 th (27 Apr– 01 May)	Revision of Ch#01	
May 2020	1 st (4– 8 May)	Ch# 02 (Sir Syed Ahmed Khan and Aligarh Movement) Page (13-16)	
	2 nd (11– 15 May)	Ch# 02 (Sir Syed Ahmed Khan and Aligarh Movement) • Page (17-20)	
	3 rd (18– 22 May)	Ch# 02 (Sir Syed Ahmed Khan and Aligarh Movement) • Page (21-23)	
	4 th (25 – 29 May)	Revision of Ch# 02	

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Class: **VIII**

Subject: **Geography**

MONTH	WEEK	CHAPTER/TOPIC	Reference Book
April 2020	1 st (6– 10 April)	Ch# 01 (Maps and Diagram) • Page (1-4)	Geography 8 th Punjab (Curriculum and Text Book Board Lahore)
	2 nd (13– 17 April)	Ch# 01 (Maps and Diagram) • Page (5-9)	
	3 rd (20– 24 April)	Revision of Ch#01	
	4 th (27 Apr– 01 May)	Ch# 02 (Agents of Landforms Change) Page (11-14)	
May 2020	1 st (4– 8 May)	Ch# 02 (Agents of Landforms Change) Page (15-18)	
	2 nd (11– 15 May)	Ch# 02 (Agents of Landforms Change) • Page (19-21)	
	3 rd (18– 22 May)	Revision of Ch# 02	
	4 th (25 – 29 May)	Ch# 03 (Oceans and Seas) • Page (22-27)	

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Class: **VIII**

Subject: **Computer Science**

MONTH	WEEK	CHAPTER/TOPIC	Reference Book
April 2020	1 st (6– 10 April)	Ch# 01 (Fundamentals of Computer) • Introduction to computer	Computer science 9 th Publisher: National book Foundation as Federal Board Islamabad
	2 nd (13– 17 April)	Ch# 01 (Fundamentals of Computer) • Roll of computers	
	3 rd (20– 24 April)	Ch# 01 (Fundamentals of Computer) • Computer hardware	
	4 th (27 Apr– 01 May)	Ch# 01 (Fundamentals of Computer) • Basic operation of computer	
May 2020	1 st (4– 8 May)	Ch# 01 (Fundamentals of Computer) • Compute software	
	2 nd (11– 15 May)	• Revision of Ch# 01	
	3 rd (18– 22 May)	Ch# 02 (Fundamentals of Operating system) • Introduction	
	4 th (25 – 29 May)	Ch# 02 (Fundamentals of Operating system) • Operating system	

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Class: **VIII**

Subject: **English**

MONTH	WEEK	CHAPTER/TOPIC	Reference Book
April 2020	1 st (6– 10 April)	Ch# 01 (Tolerance of the Rasool S.A.W) • Comprehension	English 8 th Punjab Curriculum And Text Book Board Lahore
	2 nd (13– 17 April)	Ch# 01 (Tolerance of the Rasool S.A.W) • Making Nouns from Verbs • Negative and Interrogative sentences	
	3 rd (20– 24 April)	Ch# 02 (A Dialogue) • Comprehension	
	4 th (27 Apr– 01 May)	Ch# 02 (A Dialogue) • Present Tense • Adverbs • Introduction of Direct and Indirect speech	
May 2020	1 st (4– 8 May)	Ch# 03 (On the Ocean) • Comprehension	
	2 nd (11– 15 May)	Ch# 03 (On the Ocean) • Similes • Prefix and Suffix	
	3 rd (18– 22 May)	Ch# 04 (An Exhibition) • Comprehension	
	4 th (25 – 29 May)	Ch# 04 (An Exhibition) • Past Tense • Use of For and Since	

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Syllabus breakdown (session 2020-2021)
1st Term 6TH April 20 TO 29 MAY 2020

CLASS:VIII

SUBJECT: Islamiyat

MONTH	WEEK	CHAPTER/TOPIC	Reference Book
April 2020	1 st (6-10 April)	باب دوم ایمانیات اور عبادات (صفحہ نمبر 6 تا 9)	اسلامیات پنجاب کریمکولم اینڈ ٹیکسٹ بک بورڈ لاہور
	2nd (13-17 April)	باب دوم ایمانیات اور عبادات (صفحہ نمبر 10 تا 12)	
	3rd (20-24 April)	باب دوم ایمانیات اور عبادات (صفحہ نمبر 13 تا 14)	
	4th (27-30 April)	باب سوم سیرت طیبہ (صفحہ نمبر 15 تا 21)	
May 2020	1st (4-8 May)	باب سوم سیرت طیبہ (صفحہ نمبر 21 تا 25)	
	2nd (11-15 May)	باب سوم سیرت طیبہ (صفحہ نمبر 26 تا 31)	
	3rd (18-22 May)	باب سوم سیرت طیبہ (صفحہ نمبر 32 تا 37)	
	4th (22-29 May)	باب سوم سیرت طیبہ (صفحہ نمبر 38 تا 46)	

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CLASS:VIII

SUBJECT: Urdu

MONTH	WEEK	CHAPTER/TOPIC	Reference Book
April 2020	1 st (6-10 April)	حمد و نعت (صفحہ نمبر 1 تا 10)	اردو آٹھویں جماعت کے لیے پنجاب ٹیکسٹ بک بورڈ
	2 nd (13-17 April)	درد دل کے واسطے پیدا کیا انسان کو (صفحہ نمبر 11 تا 18)	
	3 rd (20-24 April)	پاکستان کے چند اہم تہوار (صفحہ نمبر 19 تا 26)	
	4 th (27-30 April)	ہمارے وطن کا نشان (صفحہ نمبر 27 تا 31)	
May 2020	1 st (4-8 May)	خون کا بدلہ (صفحہ نمبر 32 تا 39)	
	2 nd (11-15 May)	شہری دفاع (صفحہ نمبر 40 تا 48)	
	3 rd (18-22 May)	ریل کا سفر (صفحہ نمبر 49 تا 54)	
	4 th (22-29 May)	لائسنس ٹائیک لال حسین شہید (صفحہ نمبر 55 تا 59)	