



Sadiq Public School

Syllabus

Class: I2

Subject: Computer Science

Academic Session: 2021-2022

Books Recommended: Computer Science 12 by Punjab Text book Board Lahore

Computer Science 12 MS Access and C by IT Series

Details of Syllabus

S. No.	Chapter/Topic	Description
1	Chapter 1	Data Basics
2	Chapter 2	Basic Concepts and Terminologies of Database
3	Chapter 3	Database Design Process
4	Chapter 4	Data Integrity and Normalization
5	Chapter 5	Introduction to Microsoft Access
6	Chapter 6	Table and Query
7	Chapter 7	Microsoft Access Forms and Reports
8	Chapter 8	Getting started with C
9	Chapter 9	Elements Of C Language
10	Chapter 10	Input and Output
11	Chapter 11	Decision Construct
12	Chapter 12	Loop Construct
13	Chapter 13	Functions in C
14	Chapter 14	File Handling in C

Subject Teacher

Head of Department

Headmaster/Headmistress



Sadiq Public School

Syllabus

Class: I2

Subject: English

Academic Session: 2021-2022

Books Recommended: Book 2 (Modern Prose and Heroes), Book 4 (Novel: Good Bye Mr. Chips), Bright Grammar & Composition.

Details of Syllabus

S. No.	Chapter/Topic	Description
1.	Book 2 (Part 1) (Modern Prose)	Short Questions, Synonyms.
2.	Book 2 (Part 2) (Heroes)	Short Questions, Synonyms.
3.	Book 4 (Novel) Good-Bye Mr. Chips	Short Questions, Synonyms.
4.	Bright Grammar & Composition	Essay Writing, Idioms, Correction of sentences, Translation (Urdu-English), Prepositions.

Subject Teacher

Head of Department

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Headmaster/Headmistress



Sadiq Public School

Syllabus

Class: I2

Subject: URDU

Academic Session: 2021-22

Books Recommended: سرمایہ اردو 12 (پنجاب ٹیکسٹ بک بورڈ - لاہور)

Details of Syllabus

S. No.	Chapter/Topic	Description
1	نثری اسباق	نصابی اسباق کے خلاصے، حوالہ متن اور سیاق و سباق کے حوالے سے اقتباسات کی تشریحات
	مناقب عمر بن عبدالعزیزؓ تا ایوب عباسی	
		معروضی و مشقی سوالات کے جوابات
2	منظومات: حمد و تہنات	منظومات کے اشعار کی تشریحات، خلاصے،
		مشقی و معروضی سوالات کے جوابات، الفاظ کے مفہیم و مطالب
3	غزلیات: میر درد و تاتائش دہلوی	غزلیات کے اشعار کی تشریحات، الفاظ کے مفہیم و مطالب، مشقی و معروضی سوالات کے جوابات
4	گرائمر	مضمون نویسی، خطوط نویسی، روداد نویسی،
		مطابقت کے لحاظ سے جملوں کی درستی، رموز و قاف،
		امدادی افعال کا استعمال - بورڈ نصاب کے عین مطابق

Subject Teacher

Head of Department

Headmaster/Headmistress



Sadiq Public School

Syllabus

Class: I2

Subject: BIOLOGY

Academic Session: 2021-2022

Books Recommended: 1. BIOLOGY X11 (PUNJAB TEXTBOOK BOARD)

2. ILMI PRACTICAL NOTEBOOK

Details of Syllabus

S. No.	Chapter/Topic	Description
1.	CH#15 Homeostasis	Osmoregulation, excretion in organisms, kidney structure and function, kidney disorders and cure, thermoregulation.
2.	CH#16 support and movement	Support and movement in plants and humans, human skeleton, locomotion in amphibians, reptiles, birds and animals.
3.	CH#17 Coordination & Control	Coordination in plants and animals, CNS, PNS, synapse, chemical coordination, hormones, glands, leanings.
4.	CH#18 Reproduction	Reproduction in animals, reproduction in plants, cloning, fertilization, reproduction in humans, birth, STDs
5.	CH#19 Growth and development	Growth and development in plants, chick development, aging, regeneration, abnormalities.
6.	CH#21 Cell cycle	Cell cycle, mitosis, meiosis, significance, cancer, meiotic error, apoptosis, necrosis.
7.	CH#22 variation and genetics	Mendel's laws , ABO blood group, Rh blood group system, variations, crossing over , sex determination, sex linkage.
8.	CH#23 biotechnology	Recombinant DNA technology, analyzing DNA, Biotechnology products, tissue culture, Transgenic plants.
9.	CH#24 Evolution	Evolution of prokaryotes, eukaryotes, hardy Weinberg law, endangered species.
10.	CH#25 Ecosystem	Components, food chain, food web, succession, nitrogen cycle, carbon cycle, energy flow
11.	CH#26 Some major ecosystem	Aquatic and terrestrial ecosystem, grass land, desert ecosystem
12.	CH#27 Man and his environment	Renewable and non-renewable resources, deforestation, air pollution, greenhouse effect, water pollution.
	Practical notebook	Exp 1----20

Subject Teacher

Head of Department

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Headmaster/Headmistress



Sadiq Public School

Syllabus

Class: I2

Subject: MATHEMATICS

Academic Session: 2021-2022

Books Recommended: MATHEMATICS I2
P.T.B.B LAHORE

Details of Syllabus

S. No.	Chapter/Topic	Description
01	Chapter # 01	Functions and Limits
02	Chapter # 02	Differentiation
03	Chapter # 03	Integration
04	Chapter # 04	Introduction to Analytical Geometry
05	Chapter # 05	Linear Inequalities and Programming
06	Chapter # 06	Conic Section
07	Chapter # 07	Vectors

Subject Teacher

Head of Department

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Headmaster/Headmistress



Sadiq Public School

Syllabus

Class: I-2

Subject: CHEMISTRY

Academic Session: 2021-2022

Books Recommended: Punjab Text Book

Details of Syllabus

S. No.	Chapter/Topic	Description
1	Chapter 1 Periodic Classification of Elements and Periodicity	Introduction, Modern Periodic Table, Periodic Trends in Physical properties, periodic relationship in Compounds, Position of Hydrogen
2	Ch 2 s-Block Elements	Introduction, General Behavior of Alkali Metals, Down's cell, Diaphragm cell, role of Gypsum and Lime.
3	Ch 3 Group III-A & IV-A Elements	Introduction, Compounds of Boron, Reactions of Aluminum, Group IV-A elements, Compounds of carbon and Silicon, semiconductors.
4	Ch 4 Group V-A & VI-A Elements	Introduction, Nitrogen and its compounds, Phosphorous and its compounds, Group VI-A Elements, Sulphuric acid,
5	Ch 5 The Halogens & The Noble Gases	Introduction, Occurrence, Peculiar behavior of Fluorine, Oxidizing Properties, Compounds of halogens, Commercial uses of Halogens, Noble Gases
6	Ch 6 Transition Elements	Introduction, Properties of Transition Elements, Complex Compounds, Iron, Corrosion, Chromates and dichromate, Potassium permagnate
7	Ch 7 Fundamental principles of Organic Chemistry	Introduction, Some Features of Organic Compounds, Importance of Organic Chemistry, Sources of Organic Compounds, Cracking of Petroleum, Reforming, Classification of Organic Compounds, Functional Group, Hybridization, Isomerism.
8	Ch 8 Aliphatic Hydrocarbons	Introduction, Nomenclature, Alkanes, Alkenes, Alkynes.
9	Ch 9 Aromatic Hydrocarbons	Introduction, Nomenclature, Benzene, Preparation of Benzene, Reactions of Benzene, Comparison of reactivity of Alkanes, Alkenes and Benzene.
10	Ch 10 Alkyl Halides	Introduction, Nomenclature, Methods of Preparation of Alkyl Halides, Reactivity of Alkyl Halides, Reactions of Alkyl Halides, Grignard's Reagents.
11	Ch 11 Alcohol, Phenol, Ether	Introduction, Alcohols, Phenol, Ethers
12	Ch 12 Aldehydes & Ketones	Introduction, Nomenclature, Preparation of Aldehydes and Ketones, Reactivity of Carbonyl compounds, Reactions of Carbonyl Compounds, Identification of Carbonyl Compounds, Uses.
13	Ch 13 Carboxylic Group	Introduction, Nomenclature, General methods of Preparation, Physical Characteristics, Reactivity of Carbonyl Group, Acetic Acid, Amino Acids.
14	Ch 14 Macromolecules	Introduction, Structure of Polymers, types of Polymers, Synthesis of Polymers, Biopolymers.

S. No.	Chapter/Topic	Description
15	Ch 15 common chemical Industries in Pakistan	Introduction, Fertilizers, Elements Essential for Plant Growth, Classification of Fertilizers, Cement, Paper Industry.
16	Ch 16 Environmental Chemistry	Introduction, Types of pollution, Water Pollution, Factors Affecting the quality of Water, Solid Waste M<anagement.

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Subject Teacher

Head of Department

Headmaster/Headmistress



Sadiq Public School

Syllabus

Class: I2

Subject: Economics

Academic Session: 2021-2022

Books Recommended: RAHBER ECONOMICS PART II by ABDUL GHANI CH

Details of Syllabus

S. No.	Chapter/Topic	Description
1	1,10	National Income, National income of Pakistan
2	2	Equilibrium of national Income
3	3,4	Money and Value of money
4	5,13	Banks, Banking in Pakistan
5	11	Economic Development and planning
6	12	Transportation, communication and Human resource
7	9	Introduction to Pakistan Economy
8	6,14	Public finance and Public finance in Pakistan
9	7	International trade
10	15	Foreign trade of Pakistan
11	8	Balance of payments
12	16	Balance of payments of Pakistan
13	17	Economic systems

Subject Teacher

Head of Department

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Headmaster/Headmistress



Sadiq Public School

Syllabus

Class: I2

Subject: Pakistan Studies

Academic Session: 2021- 2022

Books Recommended: Pakistan Studies Punjab Text Book

Details of Syllabus

S. No.	Chapter/Topic	Description
1	Establishment of Islamic Republic of Pakistan	Basic principles of Ideology of Pakistan, Causes of establishment of Muslim League, Factors of demand of Pakistan, Pakistan Resolution.
2	Early Problems of Islamic Republic of Pakistan	Unjust Award by Sir Radcliffe, Administrative problems, Arrival of Refugees, Divisions of assets and armed forces, Canal water dispute, Disputes of states, National Solidarity.
3	Geography of Islamic Republic of Pakistan	Location of Pakistan, Relief of Pakistan, Climate of Pakistan, Map reading, Economic Instability.
4	Steps towards an Islamic Republic of Pakistan	Islamic provision of Constitution of 1973, Process of Islamization in Pakistan, Khutba Hijjatul Vida of Hazrat Muhammad (SAW), Rights and duties, Human rights.
5	Administrative structure of Pakistan and good governance	Federal Government, Parliament and its functions, Federal Executive, Important Officials, Supreme Court, Provincial Governments and their functions, Local Government, Functions and powers of local government, good governance in Islamic perspective, Administration in the era of Hazrat Umar (RA), Characteristics of Hazrat Umar's Period, Obstacles and remedies in the way to Good Governance.
6	Culture of Pakistan	Origin of Human culture, Features of ancient Indus Valley Civilisation, Characteristics of Pakistani Culture, Master pieces of Muslims with regard to culture.
7	Pakistani Languages	Urdu-a national language, Regional languages of Pakistan.
8	National Integration and Prosperity	Factors essential for National Integration, Islamic Democratic Society and National Integration, Problems for National Integration and Cohesional in Pakistan, Importance of National Integration and Cohesion.
9	Economic Planning and Developments in Pakistan	Importance of Economic Planning, Agriculture Development, Industrial Development, Protection of Natural Resources, Education, Health, Information Technology, Economic Development of Pakistan.
10	Protection of Women	Rights of Women in Islam, Women in Pakistan, Punjab Government's Efforts to Address Violence against women.
11	Foreign Policy of Islamic Republic of Pakistan	Principles of Foreign policy, Objectives of foreign policy, Determinants of foreign policy, Foreign relations of Pakistan with other countries, World Affairs and our foreign policy.

Subject Teacher

Head of Department

Headmaster/Headmistress



Sadiq Public School

Syllabus

Class: I 2

Subject: Physics

Academic Session: 2021-22

Books Recommended: Punjab Text Book

Details of Syllabus

S. No.	Chapter/Topic	Description
01.	CH#12 (Electrostatic)	Coulomb's Law, Electric Field Lines, Electric potential, Gauss's Law and its Applications, Millikan's Oil Drop Method, Exercise.
02.	CH#13 (Current Electricity)	Current, Resistance, e.m.f., Kirchhoff's Rules, Wheatstone bridge, potentiometer, Exercise.
03.	CH#14 (Electromagnetism)	Force on a current carrying conductor and moving charge in a magnetic field, Lorentz's force, e/m, CRO, Exercise.
04.	CH#15 (Electrostatic Induction)	Faraday's Law, Mutual Induction, Self Induction, Energy Stored In Inductor, DC Motor, Back e.m.f. Exercise.
05.	CH#16 (Alternating Current)	A.C Circuits, R-C & R-L Circuits, Series Resonance Circuits, Three Phase Supply, Modulation, Exercise.
06.	CH#17 (Physics Of Solid)	Classification Of Solids, Stress, Strain, Modulus, Strain Energy, Intrinsic & Extrinsic Semi-conductor, Hysteresis Loss, Exercise.
07.	CH#18 (Electronics)	P-N Junction, Rectification, Transistor, Rectification, npn Transistor, transistor Amp, Op-Amp, Comparator, Exercise/
08.	CH#19 (Dawn of modern Physics)	Relative motion, special theory of relativity, photoelectric effect, Compton effect, pair production, wave particle theory, Davison Germer experiment, S.Q + Numerical Problems.
09.	CH#20 (Atomic Spectra)	Atomic spectrum of hydrogen, Rydberg Formula, Bohr Model of X-Rays, Uncertainties, S.Q + Numerical Problems.
10.	CH#21 (Nuclear Physics)	Atomic No, Atomic Mass, Isotopes, Radioactivity, Nuclear Transmutation, Nuclear Fission & Fusion Reaction, S.Q + Numerical Problems.

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Sadiq Public School

Syllabus

Class: I2

Subject: Statistics

Academic Session: 2021-22

Books Recommended: INTRODUCTION TO STATISTICS PART -2
BY MIRAJ DIN MIRZA

Details of Syllabus

S. No.	Chapter/Topic	Description
1	CH:10	NORMAL DISTRIBUTION.
2	CH:11	SAMPLING AND SAMPLING DISTRIBUTION.
3	CH:12	STATISTICAL INFERENCE AND ESTIMATION.
4	CH:13	TESTING OF STATISTICAL HYPOTHESES.
5	CH:14	REGRESSION.
6	CH:15	CORRELATION AND ASSOCIATION.
7	CH:16	ANALYSIS OF TIMES SERIES.
8	CH:17	ORIENTATION TO COMPUTERS.

Subject Teacher

Head of Department

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Headmaster/Headmistress