



# Sadiq Public School

Do the right, fear no man

## Summer Assignment 2022

C3

English

### Composition

Write on the following topics. You are advised to write between 350 and 500 words.

#### A. Description

- 1) Describe a very lively, noisy place you know and a very quiet one. (Remember that you are describing the atmosphere and any people as well as the places.)
- 2) Describe the school's environment. Include what you like most about it and what you like least. (Remember you are describing the atmosphere and any people as well as the place.)

#### B. Argument

- 3) 'First impressions are nearly always wrong.' Do you think this is true? Give reasons and examples to support your view.
- 4) 'There is too much pressure on people to follow fashion.' Do you agree? Give reasons and examples to support your view.

#### C. Narrative

- 5) Write a story which includes the sentence: 'When they opened the jewellery box, they could not believe what was in it.'
- 6) Write a story in which a train ticket plays an important part.

### Directed Writing

Write between 200 and 300 words.

- 1) Your uncle and aunt own a shop which is busy and successful. You sometimes help in the shop during your holidays. Your English teacher asks you to make a speech to your class about the shop and your experience of working there.

Write your **speech**. You must include the following:

- what kind of shop it is **and** what you do there
- why the shop is so busy and successful
- why working in the shop is a useful experience for you.

Cover all three points above **in detail**. You should make your speech interesting and informative. Start your speech: 'Good morning, everyone.'

- 2) Your cousin, a successful former student at your school, has just returned from living in another country.

Your Principal asks you to write an article for your school magazine about your cousin's experience.

Write your **magazine article**. You must include the following:

- what your cousin achieved at school
- where your cousin went **and** what your cousin did there
- why your cousin is a role model for other students.

Cover all three points above **in detail**. You should make your magazine article interesting and informative.

Start your magazine article with a suitable headline.

### Literature

#### Reading Comprehension:

#### Suggested/Recommended Books:

- i. The Kite Runner by Khaled Hosseini
- ii. Nineteen Eighty-Four by George Orwell

	<p>iii. The Lord of the Rings by JRR Tolkien iv.</p> <ul style="list-style-type: none"> <li>• Read above mentioned novels (any two) or two contemporary quality fiction books of your choice and write book reviews on each of them, adding a brief summary, comments on characters and language.</li> <li>• Read at least one biography of your favourite personality and write a realistic review explaining what you have learnt from the struggle and accomplishments of the person.</li> <li>• Make a list of at least 30 interesting sentences /phrases from each book.</li> </ul> <p><b>Listening/Reading Comprehension:</b></p> <ul style="list-style-type: none"> <li>• Listen to /read at least four speeches of national or international celebrities and write down the summaries of the speeches in your own words adding your personal views on the quality, language and content.</li> </ul> <p><b>General Activities:</b></p> <ul style="list-style-type: none"> <li>• Collect and paste in your summer assignment note books 5 formal letters, 5 articles, 5 accounts, 5 reports, and 5 speeches from any source of your choice (Print media/electronic media). Evaluate the ideas expressed in the news articles/ magazine articles in your own words. (word limit: 70 -100).</li> <li>• Watch BBC News at least 15 minutes daily to improve your pronunciation and listening comprehension.</li> </ul>
<p><b>Economics</b></p>	<p>Chapter 25 The macroeconomic aims of government To solve on your notebook:</p> <ul style="list-style-type: none"> <li>• Group Activity 1, 2,</li> <li>• Multiple Choice Questions (Last 15 from topical past papers)</li> <li>• Four-part question.</li> </ul> <p>Chapter 26 Fiscal policy To solve on your notebook:</p> <ul style="list-style-type: none"> <li>• Individual Activity 1, 2, 3 and Group 1, 2</li> <li>• Multiple Choice Questions (Last 15 from topical past papers)</li> <li>• Four-part question.</li> </ul> <p>Chapter 27 Monetary policy To solve on your notebook:</p> <ul style="list-style-type: none"> <li>• Individual Activity 1 and Group Activity 1, 2</li> <li>• Multiple Choice Questions (Last 15 from topical past papers)</li> <li>• Four-part question.</li> </ul> <p>Chapter 28 Supply-side policies To solve on your notebook:</p> <ul style="list-style-type: none"> <li>• Individual Activity 1, 2, 3 and Group Activity 1, 2</li> <li>• Multiple Choice Questions (Last 15 from topical past papers)</li> <li>• Four-part question.</li> </ul> <p>Chapter 30 Employment and unemployment To solve on your notebook:</p> <ul style="list-style-type: none"> <li>• Individual Activity 1, 2, 3 and Group Activity 1, 2</li> <li>• Multiple Choice Questions (Last 15 from topical past papers)</li> <li>• Four-part question.</li> </ul> <p>Chapter 36 International specialisation To solve on your notebook:</p> <ul style="list-style-type: none"> <li>• Individual Activity 1, 2, 3 and Group Activity 1</li> <li>• Multiple Choice Questions (Last 15 from topical past papers)</li> </ul>

	<ul style="list-style-type: none"> <li>• Four-part question.</li> </ul> <p>Chapter 37 Free trade and protection To solve on your notebook:</p> <ul style="list-style-type: none"> <li>• Individual Activity 1, 2, and Group Activity 1, 2</li> <li>• Multiple Choice Questions (Last 15 from topical past papers)</li> <li>• Four-part question.</li> </ul>
Accounting	<p><b>Recommended Book:</b> O Level Accounting by Frank Wood Topical Past Papers (Read &amp; Write Publishers): Paper 1 Topical Past Papers (Read &amp; Write Publishers): Paper 2</p> <ul style="list-style-type: none"> <li>• <b>Chapter No. 10: Accounting Concepts.</b> <ul style="list-style-type: none"> <li>❖ MCQs: Latest 10 MCQs from topical Paper 1(read &amp; write publications)</li> </ul> </li> <li>• <b>Chapter No. 13-17: Books of Original Entry.</b> <ul style="list-style-type: none"> <li>❖ MCQs: Latest 10 MCQs from topical Paper 1(read &amp; write publications)</li> <li>❖ Solve the question # May 2019 P22 Q1 (A to C)</li> </ul> </li> <li>• <b>Chapter No. 28: Accruals &amp; Prepayments.</b> <ul style="list-style-type: none"> <li>❖ MCQs: Latest 10 MCQs from topical Paper 1(read &amp; write publications)</li> <li>❖ Solve the question # May 2019 P21 Q5</li> </ul> </li> <li>• <b><u>Practical Activity:</u></b> <ul style="list-style-type: none"> <li>❖ Download annual report 2020 of Engro Limited and apply the ratios analysis on its financial data.</li> <li>❖ Apply the following ratios: <ul style="list-style-type: none"> <li>▪ Gross Margin</li> <li>▪ Mark up</li> <li>▪ Profit Margin</li> <li>▪ Return on Capital Employed</li> <li>▪ Current Ratio</li> <li>▪ Liquid (Acid test) Ratio</li> <li>▪ Rate of Inventory Turnover</li> <li>▪ Trade Receivable Turnover</li> <li>▪ Trade Payable Turnover</li> </ul> </li> <li>❖ Using your smart phones, download the app “EasyKhata” and write the features of this app in 100 to 150 words.</li> </ul> </li> </ul> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>➤ Solve the questions in proper formats.</li> <li>➤ Answer these questions on your <b>note book</b>.</li> </ul>
Bus.Studies	<p><b>Recommended Book:</b></p> <ul style="list-style-type: none"> <li>• O-Level Business Studies by Karen Borrington &amp; Peter Stimpson (Latest Edition)</li> <li>• Arrange latest topical past papers (paper1, &amp; paper2 Read &amp; Write publishers).</li> <li>• <b>Chapter No. 10: Marketing, competition and the customer</b> <b>Read chapter carefully than solve</b> <ul style="list-style-type: none"> <li>❖ Exam Style Questions: Short answer and data response ( Q# 1 )</li> <li>❖ 10 latest topical questions from Read &amp; Write Publishers book (paper 1)</li> </ul> </li> <li>• <b>Chapter No. 11: Marketing research</b> <ul style="list-style-type: none"> <li>❖ Exam Style Questions: Short answer and data response ( Q# 2 )</li> <li>❖ 10 latest topical questions from Read &amp; Write Publishers book (paper 1)</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>❖ June 2016 paper 22 ( Q# 2 )</li> <li>• <b>Chapter No. 12: The marketing mix: Product</b> <ul style="list-style-type: none"> <li>❖ Exam Style Questions: Short answer and data response ( Q# 1 &amp; 2)</li> <li>❖ 10 latest topical questions from Read &amp; Write Publishers book (paper 1)</li> </ul> </li> <li>• <b>Chapter No. 13: The marketing mix : price</b> <b>Read chapter carefully than solve</b> <ul style="list-style-type: none"> <li>❖ Exam Style Questions: Short answer and data response ( Q# 1 )</li> <li>❖ 10 latest topical questions from Read &amp; Write Publishers book (paper 1)</li> <li>❖ November 2014 Paper 22 ( question # 4)</li> </ul> </li> <li>• <b>Chapter No. 14: The marketing mix : place</b> <ul style="list-style-type: none"> <li>❖ Exam Style Questions: Short answer and data response ( Q# 1 &amp; 2)</li> <li>❖ 10 latest topical questions from Read &amp; Write Publishers book (paper 1)</li> </ul> </li> <li>• <b>Chapter No. 15: The marketing mix: Promotion</b> <ul style="list-style-type: none"> <li>❖ Exam Style Questions: Short answer and data response ( Q#2)</li> <li>❖ 10 latest topical questions from Read &amp; Write Publishers book (paper 1)</li> <li>❖ June 2017 paper 22 ( Question # 4)</li> <li>❖ November 2016 paper 22 ( Question #4)</li> </ul> </li> </ul> <p><b>Practical Activity:</b></p> <ul style="list-style-type: none"> <li>❖ Explain the importance of Marketing Mix (product, price, place and promotion) for any latest mobile model and explain how this latest mobile model will respond the changing needs of customers and increased competition.</li> <li>❖ <b>Note:</b> <ul style="list-style-type: none"> <li>➤ Answer these questions on your <b>note book</b>.</li> <li>➤ Solve the questions in the correct format.</li> </ul> </li> </ul>
<b>Physics</b>	<p><b>Prepare and write the following topics on your notebook</b></p> <ul style="list-style-type: none"> <li>❖ Electromagnetic induction</li> <li>❖ The A.C. generator</li> <li>❖ Magnetic effect of a current</li> <li>❖ Forces on a current-carrying conductor</li> <li>❖ The D.C. motor</li> <li>❖ The transformer</li> <li>❖ Uses of an oscilloscope</li> </ul> <p><b>Projects</b> Make the working models of</p> <ul style="list-style-type: none"> <li>• An A.C. generator</li> <li>• A D.C. motor</li> <li>• A transformer</li> </ul> <p><b>Practice / preparation</b> Do the questions of above mentioned topics from past papers year 2015 to 2021</p>
<b>Chemistry</b>	<ol style="list-style-type: none"> <li>1. Learn and write all test your understanding questions of unit 17 periodic table,unit 18 metals and unit 19 extraction of metals from text book C.N Prescot.</li> <li>2. Learn and write all exercise questions mcq,s and structured questions of unit 17,18 and 19 from text book C.N Prescot.</li> <li>3. Practice the questions related to the above topics(periodic table, metals and</li> </ol>

	<p>extraction of metals unit 8 and 9 of syllabus code 5070 from past papers (classified/ Green Hall).</p> <p>4. Practice and revise the questions (MCQs and structured) related to previous units from past papers (classified/Green hall).</p> <p><b>PROJECTS:</b></p> <ul style="list-style-type: none"> <li>• Make a model of a Blast furnace using the thermopole sheet.</li> <li>• Draw and label the Periodic Table on thermopole/panaflex..</li> </ul>
<b>Biology</b>	<ol style="list-style-type: none"> <li>1. Solve exercise given at the end of the following chapters. <ol style="list-style-type: none"> <li>i) Co-ordination and response I, II, III</li> <li>ii) Homeostasis</li> </ol> </li> <li>2. Construct a small booklet for the important terms in; <ol style="list-style-type: none"> <li>i) Co-ordination and response I, II, III</li> <li>ii) Homeostasis</li> <li>iii) Co-ordination in plants</li> </ol> </li> <li>3. Discuss phototropism and gravitropism as responsive movements in plants.</li> <li>4. State the role of auxins as plant hormones.</li> <li>5. Investigate the phenomena of gravitropism and phototropism in young seedlings or by placing an already grown shoot horizontally to the ground. <ol style="list-style-type: none"> <li>i) Record your observations in the form of photographs.</li> <li>ii) Construct a data table for your findings.</li> <li>iii) Draw conclusions out of your findings.</li> </ol> </li> <li>6. Draw a flow diagram to show how glucose concentration is regulated with in human body.</li> <li>7. Construct a table to show the structural differences between sensory, relay and motor neurons.</li> <li>8. Describe and explain how impulses are generated and passed across a synapse.</li> <li>9. Construct an experiment to investigate any example of reflex action.</li> <li>10. Explain the role of adrenaline on a person who has just entered the exam hall for taking his exam?</li> <li>11. Construct a table to show the organs involved, functions and target sites for named hormones (included in your syllabus) present inside your body.</li> </ol>
<b>Urdu</b>	<p>☆ مندرجہ ذیل مضامین کی مشق کرنی ہے۔</p> <ol style="list-style-type: none"> <li>۱۔ ہتھیاروں سے امن ممکن نہیں۔</li> <li>۲۔ آج کے دور میں کمپیوٹر ایک بنیادی ضرورت بن چکا ہے۔</li> <li>۳۔ مشینی دور نے انسانی قدروں کو تبدیل کر کے رکھ دیا ہے۔</li> <li>۴۔ مغربی تہذیب کی پیروی ہمارے لیے زہر قاتل ہے۔</li> <li>۵۔ پاکستان میں ذریعہء تعلیم اُردو میں ہونا، نظریہء پاکستان کا تقاضا ہے۔</li> </ol> <p>☆ خطوط:</p> <ol style="list-style-type: none"> <li>۱۔ سکول میں نظم و ضبط کی اہمیت پر چھوٹے بھائی کو خط لکھیں</li> <li>۲۔ تفریحی اور معلوماتی دورے طلبہ کے لیے بہت مفید ہیں۔ اس حوالے سے دوست کو خط لکھیں</li> <li>۳۔ امتحان میں کامیابی پر دوست کو مبارکباد کا خط لکھیں۔</li> <li>۴۔ اپنی ساگرہ پر چچا محترم کی طرف سے گھڑی کا تحفہ وصول پانے پر انہیں شکریہ کا خط تحریر کریں۔</li> </ol> <p>☆ مکالمہ:</p> <ol style="list-style-type: none"> <li>۱۔ نماز کی اہمیت پر مکالمہ تحریر کریں۔</li> <li>۲۔ فون کی اہمیت پر مکالمہ تحریر کریں۔</li> <li>۳۔ اُستاد اور شاگرد کے درمیان امتحانات کے موضوع پر مکالمہ تحریر کریں۔</li> </ol>

	<p style="text-align: right;">☆ محاورات کا جملوں میں استعمال:</p> <p style="text-align: right;">”ٹ“ سے ”خ“ تک</p> <p style="text-align: right;">☆ ترجمہ نویسی:</p> <p style="text-align: right;">اولیول کی کتاب از عامر وحید قمر میں سے کوئی سے دس پیرا گراف کا انگریزی سے اردو ترجمہ تحریر کریں۔</p> <p style="text-align: right;">سرگرمیاں:</p> <p style="text-align: right;">اردو اخبارات یا رسائل میں سے پانچ مضامین اور پانچ کہانیاں پڑھیے اور ہر ایک کے کا خلاصہ اپنے الفاظ میں تحریر کریں۔</p>
<p style="text-align: center;"><b>Islamiat</b></p>	<p>a. Passage No. 11, 12,13,14,15</p> <p>b. Hadith No. 11, 1213, 14, 15</p> <p>c. Hazrat Usman (R.A), Hazrat Ali (R.A)</p> <p>d. Wives of the Holy Prophet (S.A.W), Descendants of the Holy Prophet (S.A.W)</p> <p>e. Predestination, Prophets, Angels and Divine Books</p> <p>f. Prayer, Zakat, Hajj and Jihad</p> <p>Note</p> <p>Learn all these questions and write down in your Notebooks. To prepare your answers, you may seek help through Internet and visit some library.</p>
<p style="text-align: center;"><b>Computer</b></p>	<p><b>1</b> Search the past papers of last five years and attempt the questions related to the topics given below:</p> <ol style="list-style-type: none"> <li>1. Data Representation</li> <li>2. Data Transmission</li> <li>3. Computer Hardware</li> <li>4. Software</li> <li>5. The internet and its uses</li> <li>6. Automated and emerging technologies</li> <li>7. Algorithm Design and problem solving</li> <li>8. Programming Concepts</li> </ol> <p>Read the topics thoroughly and attempt all questions on your notebook related to above mentioned topics and their subtopics discussed in your book.</p> <p><b>2:</b> Recall the concept of the sensors and hardware (Unit 3) and automated and emerging technologies and build any of the project given below:</p> <ol style="list-style-type: none"> <li>1. Implement the working of the light sensors into project and demonstrate its applications. <ol style="list-style-type: none"> <li>i. Light sensor can be used in two ways: <p><b>Option a:</b> You can make a working model of the project demonstrating the application of light sensor in the street lights. The light automatically switches on when the intensity of light falls below certain level.</p> <p><b>Option b:</b> Light sensor can be integrated in the headlights of the car. The lights will automatically switch on when it gets dark.</p> </li> </ol> <p>You need to research the hardware required to build the project and integrate the hardware to demonstrate the concept. Also, Make and submit a documentation that may elaborate the implementation of the concept in the model.</p> </li> <li>2. Using the knowledge of automated systems learnt in Unit 6, build any automated system of your choice that may elaborate the automatic working of the emerging technologies. You can use internet to research the idea that will integrate the hardware and software to demonstrate the concept. <ol style="list-style-type: none"> <li>i. The applications of automated system in Industry, transport, weather, gaming, lighting and science can be build in the form of a project. You can use the type</li> </ol> </li> </ol>

	<p>of application yourself.</p> <p>ii. Along with the hardware project, make and submit your document to elaborate the working and the scope of the project.</p>	
<b>Maths</b>	<p>Solve the questions of review exercise of chapter 1,2,3,4,6,8. Book D3</p> <p><b>Practical Projects.</b></p> <p>i. Construct 5 solid figures from cardboard, for example a cube, a cone, a truncated cone, a pyramid, a dodecahedron and decorate it appropriately, for example, colour the faces of a cube to make it look like a crate of mangos and a cone to look like an ice cream cone.</p> <p>ii. Create a set of flash cards (about 4cm x 3cm) with all of the times tables (up to the 12 times table) on them eg "4 x 8 =" on a card and on the other side of the card the answer, um... whatever it is... 67? 24? (When you get back to school, organize the other C3s to give these sets of cards to the K5 students so that they can all learn their times tables before they come to Prep School. (Assuming you've learnt the whole set by the time you return to school.)</p> <p>iii. Construct a graph of some sort to show the monthly average temperatures in one of Pakistan's cities over the last 10 years (perhaps a bar chart with 120 bars? Or a line graph? Or a pie chart? Whichever graph/chart is the most appropriate.</p> <p>iv. Create a wall chart that explains to the viewer what a prime number is. More importantly, the chart should show one practical use of prime numbers.</p> <p>v. Create a chart that shows how geometry can be useful in understanding algebra. Huh? For example, draw a rectangle with the sides being (x + 3)cm and (x + 12)cm. CAnd then show how to calculate the rectangle's area and perimeter.</p> <p>vi. Create a wall chart that uses equations, a table, and a graph to show that if you deposit Rs10000 in a bank account now and the annual interest rate is 12%p.a., how much will be in the savings account when you are 65 years old? And what if you deposit Rs10000 into a bank account now, at 12% per annum and every year on the same date you save another Rs10000... how much will be in your bank account on your 65<sup>th</sup> birthday?</p>	
	<b>Pst-I &amp; Pst-II</b>	<p>1. 2015-2021 All past papers of Pst-I to be solved in note books in section-I and section-II complete.</p> <p>2. Solve yearly past papers of Pst-II (2017-2021)</p>