H.H.SHAIKH RASHID AL-MAKTOUM PAKISTAN SCHOOL DUBAI

مدرسة صاحب السمو الشيخ راشد المكتوم الباكستانية دبى ،الامارات العربية المتحدة

(Grade:12 A/C) Summer Vacations Homework (2020-2021)

S.No	Subjects	Details
01	Arabic	السيدة المعجزة وتدريبات.القواعد
02	Computer	1. Complete notes of the following chapters in computer notebook. Ch# 1 Operating System Ch# 2 System development life cycle 2. Make presentation on Ch#3 Object oriented programming in C++ 3. Complete practical Notebook. 4. Solve past 2 years papers.
03	English	Grammar For Practice: Clause and its types, Phrase and its types, Figurative Language, Phrasal Verbs, Tenses(Present, Past, Future) with their sub types, Direct and Indirect Narration, Application writing, Precis writing, Letter writing, Essay writing Completion of Notebooks Comprehension Practices: Unit#3 Duty and Responsibility (3.1,3.2,3.3) Read these above mentioned chapters, try to understand the themes and find meanings of difficult words used in the passages.
04	Islamiat	Project: 1. Make a PPTs on following topics: Unit 2 lesson 3 Responsibility in Islam. 2. Unit 4 lesson 1 Marriage is a path of chastity Assignment 3. Read and solve the exercise of following topic:(1) Unit 1 Lesson 1 Protecting against Moral Crimes.(2) Unit 1 lesson 5 Allah's Messenger(PBUH) and Social Life. Research Work: 4. Write a comprehensive note on following topic: Unit 3 lesson 3 Prohibited Sales
05	Mathematics	Project : 1. Make a booklet of Derivatives Formulas. 2. Make A powerpoint presentation of Derivatives with the help of real life application. Practice Work: 1. Solve CH# 5 and ch# 1 on your copy. 2. Practice all exercises of CH# 1 Assignment:

		Solve past three year papers related to CH# 5 (Linear Programming and CH# 1 Functions and limits) Helping Links: https://www.slideshare.net/nagendraamatya/linear-programming (Linear Programming) https://images.app.goo.gl/mrWxSjaZ7vvJ4TR76 Working Modal of derivatives https://thriveglobal.com/stories/derivatives-and-their-real-world-applications/ (Derivatives) https://www.mathsisfun.com/calculus/derivatives-rules.html (Formulas of derivatives)
06	**Pakistani Studies**	1. **Prepare a chronological list of the important events of the Pakistan Movement from 1857 to 1947 and also learn .https://www.youtube.com/watch?v=BhnM2H0vitQ** 2. **Compare All India Congress with All India Muslim League in creating political awareness among the people of India especially in Muslims Explain your opinion in detail.** 3. **Make a project or presentation on two historical or important places of Pakistan. Share your experience, observation and photographs if you visited there.** 4. **"Lahore resolution given a clear direction to Muslim League". Explain.https://en.wikipedia.org/wiki/Lahore_Resolution**
07	**Physics**	Chapter no# 11 and 12 . Solve and write the exercises in your note Book. . Solve Past 5 years FBISE Islamabad, Q. Papers. . Write 20 Multiple Choice Questions From each chapter
08	**Urdu**	اسباق "مسلمانوں کا قدیم طرز تعلیم، سقراط ،فاقہ میں روزہ ، پھر وطنیت کی طرف" کے مشقی سوالات یاد کریں اور لکھیں۔2۔نظم " جو اب شکوہ ، بڑھے چلو اور غزل "اقبال کی تشریح اور مشقی سوالات یاد کریں اور لکھیں۔تشبیہ، استعارہ ، مجاز مرسل ، کنایہ اور رموز اوقاف کی مکمل تعریف مثالوں کے ساتھ لکھیں
09	**Moral Education**	Lesson # 1--What is corruption and in what areas does it take place? Lesson # 2--Why does corruption occur? Lesson # 3--What is the impact of corruption? Write in a separate note book, All the action tasks, thinking tasks and self-assessment questions of the above lessons.
10	**Chemistry**	Chapter no# 13 and 14 . Solve and write the exercises in your note Book. . Solve Past 5 years FBISE Islamabad, Q. Papers. . Write 20 Multiple Choice Questions From each chapter

11	Biology	Write the following practicals in your practical notebooks. 1.Demonstration of the evolution of CO_2 from leaf discs placed in dark and light, with the help of indicator (hydrogen carbonate) 2. Microscopic observation of the slide of TS of a dicot stem, identifying and drawing vessel element, vessel, and phloem sieve tubes. 3. Demonstration of phototropism, geotropism and thigmotropism in plants 4. Microscopic observation of the villi, liver and pancreas from prepared slides 5. Identification of the phases of heartbeat on a printed ECG. 6. Dissection of the heart of a mammal and describing its internal structure 7. Differentiation of an artery and a vein by observing prepared slides 8. Measuring blood pressure by using sphygmomanometer 9. Recognizing phagocytes and lymphocytes while observing prepared slides 10. Identification of different parts of the respiratory and reproductive system of a dissected frog (dissection would be done by the teacher) 11. Identification of the bones of the pelvic girdles, pectoral girdle, arms and legs by using the model of human skeleton write the exercise of chapter 14, 15 and 16 on your notebooks. **ACTIVITY:** study the germination of 5 types of seeds with different sizes up to the stage of four leafs. capture pictures of each stage and compile a report with photographic evidence. construct a model of human skeleton.