

# **Summer Vacation Homework**

## **Class 9**

### **English:**

- Read the following chapters, find the meanings of difficult words and write the translation.
  - i. Women Empowerment through Entrepreneurship
  - ii. The Value of Time
  - iii. Impact of Globalisation on Culture and Economy
  - iv. Quality Education: A Key to Success.
- Do translation of sentences in your neat copies from grammar book.
- Every day write 5 sentences using Active-Passive voice rules # 1 – 5
- Write 5 sentences every week about any values (Respect, Cleanliness, Kindness, Sympathy, Passion, Love)
- Make 2 sentences every day. Take words from the text book.
- Write a letter to your friend requesting her to spend summer holidays with you.
- Revise all work, including letters, solved / unsolved comprehension, Book exercise.

### **Pakistan Studies**

- Read the following chapters:
  - i. Chapter 2: The Pakistan Movement and emergence of Pakistan
  - ii. Chapter 4: Women's Empowerment
- Create 20 Multiple Choice Questions (MCQs) and 15 short answer questions for each chapter.
- Do the work on loose sheets
- Revise all the work done

### **Ethics**

Chapter 3 Universal Religions.

Chapter 4. Morals and Values Greatness of God

Chapter 9 Florence Nightingale.

- Read the above lessons, make 20 blanks and 5 short answer questions from each chapter.
- Do all the work on loose sheets.
- Revise all the work done.

## **Biology:**

- Practice the diagrams 5 times each on loose sheets.
- Page 43 (2 diagrams), 45, 46, 47 (2 diagrams)  
48 (2 diagrams), 49 (2 diagrams)  
50, 52, 54, 64, 66, 67, 70, 71, 72, 73, 86, 102, 103, 104, 110, 112, 113, 115, 120 (2 diagrams)  
122, 123, 126, 127 (2 diagrams) 129, 137, 138, 139, 142, 152, 158, 159, 160, 161, 162.
- Learn all the syllabus covered.
- Chapter 1, 2, 3, 4

## **Chemistry:**

1. Draw and practice structures, twice each from the following pages on sheets: 22, 24, 25, 34, 35, 36, 37, 39, 40, 41, 45, 46, 47, 55.
2. Solve numericals from book examples and exercises of chapter 2 on sheets.
3. Learn and revise chapters 1, 2, and 3, including all topics and back exercises.
4. Solve all exercises given with topics of chapters 1, 2, and 3 on sheets.

## **Computer Science:**

- Create 7 short questions from each of Chapters 1 and 2.
- Write down MCQs from Chapters 1, 2, and 3 (as given in the exercise).
- Research Von Neumann's architecture and list 5 advantages in your notebook.

## **Math: 9A/C Sc.**

<b>Week 1</b>	Ex 1.1 Q.3, Q.6 (All parts) Ex 1.2 Q.1, Q.2 (All parts)
<b>Week 2</b>	Ex 1.2 Q.3, 4, 5 (All parts) Page 20 Q.4, 5, 6, 7
<b>Week 3</b>	Ex 2.1 Q1, 3, 5, 6 Ex 2.2 Q3 (All parts)
<b>Week 4</b>	Ex 2.4 Q3, 4, 5 (All parts) Ex 3.2 Q1, 2, 5 (All parts)
<b>Week 5</b>	Watch a movie (The Core or Hichki) and write its preview on a pamphlet
<b>Week 6</b>	Share a video related to math

**Physics: 9A/C Sc.**

**Week 1:** Write 15 definitions from Chapter 1

**Week 2:** Do numericals from Chapter 1

**Week 3:** Write 15 definitions from Chapter 2

**Week 4:** Do numericals from Chapter 2

**Week 5:** Make a colorful pamphlet on the 3 equations of motion

**Week 6:** Share a video related to physics

Note: Complete all the work on loose sheets.

**Math: Class 9B Sc.**

**Week 1:** Exercise 1.1

**Week 2:** Exercise 1.2

**Week 3:** Exercise 1.3

**Week 4:** Rev. Exercise 1

**Week 5:** Exercises 2.1 and 2.2

**Week 6:** Exercises 2.3, 2.4, and Rev. Exercise 2

**Physics: 9B Sc.**

**Week 1:** Chapter 1, Questions 1-21

**Week 2:** Chapter 1, Questions 22-47

**Week 3:** Chapter 1, Questions 48-end of Chapter 1

**Week 4:** Chapter 2, Questions 1-24

**Week 5:** Chapter 2, Questions 25-45

**Week 6:** Chapter 2, Questions 46-end of Chapter 2

## **Math: Class 9A Arts.**

- Unit 1: Real numbers

Ex 2.1: Q 1 (i – x) write & practice, rational & irrational numbers & related examples (pg. 4, 5)

- Write & revise definition of terminating & non-terminating decimal numbers (pg. 3, 4) and make chart of real numbers (type) (pg. 3)
- Revise & write additive properties & multiplicative properties (pg. 7)
- Solve Q1 (i - vi) of Ex 1.2 (rationalize the denominator & related examples pg. 13.
- Write definition & formula of profit, loss, profit % & loss % and write all questions & examples related to topic, profit & loss (pg. 16, 17) and Q # 2 of Ex. 1.2.
- Write definition of scientific and ordinary notation (pg. 21, 22) & write Q1 (i - vi), Q2 (i – vi) & Q2 – 6 of Ex 2.1 & related examples  
Solve Ex. 2.2 (Logarithmic & exponential form) & related examples (pg. 23, 24)
- Revise & write definition of unit 3 sets & functions (pg. 42, 43) Solve Q4, 5, 6 of R. Ex. 3.3 (pg. 63)
- Solve Q1, Q2, Q3 of Ex 12.2 related to arithmetic mean & related examples (pg. 225)

## **G. Science:**

- Lesson 3: Biochemistry and Biotechnology
- Lesson 4: Human Health

Find at least 10 short questions and 20 blanks from each lesson.

## **Education:**

- Lesson 4: Learning
- Lesson 5: Home, School and Society

Make 20 short question answers and blanks from each lesson.

## **H. Economics:**

- Chapter 3, Chapter 4, Chapter 5
- Do 20 blanks from each chapter with diagrams and make sketches also and make one wall hanging too

اسباق:

۱۔ اخلاق حسنہ ۲۔ اپنی مدد آپ ۳۔ کتبہ ۴۔ ابتدائی حساب  
ان اسباق کی پڑھائی کرنی ہے۔ مشکل الفاظ کے معانی کتابوں پر لکھنے ہیں اور مشقی سوالات کے جوابات کاپیوں پر لکھنے ہیں اور یاد کرنے ہیں  
نظمیں:

۱۔ حمد ۲۔ نعت ۳۔ غزل نمبر 1, 2 کی تشریحات اور مشقی سوالات کے جوابات کی دہرائی کرنی ہے۔  
گرامر کا تمام پڑھایا کام یاد کرنا ہے۔  
مضامین:

۱۔ آب زم زم ۲۔ ٹیکنالوجی ایجوکیشن ۳۔ شجر کاری ۴۔ ڈینگی بخار  
مندرجہ ذیل مضامین اُردو پرچہ جات پر اشعار کے ساتھ لکھنے اور یاد کرنے ہیں۔

### اسلامیات

اسباق: ۱۔ عقیدہ رسالت ۲۔ حج و قربانی ۳۔ شکر و قناعت ۴۔ قسم کے احکام ۵۔ حقوق العباد  
۶۔ حضرت ابو موسیٰ ۷۔ حضرت انسؓ ۸۔ ملائکہ  
ان تمام اسباق کے مختصر سوالات کے جواب یاد کریں۔  
اسباق: ۱۔ عقیدہ رسالت ۲۔ حج و قربانی  
ان تمام اسباق کے تفصیلی سوالات کاپی میں لکھیں۔  
قرآن مجید:

سورۃ الصفات، سورۃ الروم، سورۃ الانبیاء، سورۃ القصص،  
ان تمام سورتوں کے مختصر اور تفصیلی سوالات یاد کرنے ہیں۔  
سورۃ الانبیاء، سورۃ الحج  
کی آیات کے ترجمے کاپی میں لکھنے ہیں۔