WINTER VACATION HOMEWORK
ENGLISH 7TH

1). Write an essay up to (150-200) words on the following topics:
   a. Patriotism
   b. My Aim in Life
   c. My First Day at School
   d. A Visit to a Hill Station
   e. School games
   f. My role model
   g. The best way of spending holidays
   h. The internet

2). Write the following letters:
   a) From a boy at a boarding-school to his parents on the approaching vacation.
   b) To Your Younger brother, scolding him for having neglected his studies.
   c) You have recovered from a long illness. Write your experience in bed to your cousin.
   d) To a friend, telling him that you have shifted to a new house, and describe your new neighborhood.

3). Write 5 sentences using all aspects of Past Tense i.e. Past Simple, Past Continuous, Past Perfect and Past Perfect Continuous. And also change them into negative and Interrogative.

4). Select any two books from the given and write a book review:
   a) Julius Caesar by William Shakespeare
   b) Great Expectation by Charles Dickens
   c) Harry Potter and The Half Blood Prince
   d) Robinson Crusoe by Daniel Dafoe
   e) Miguel Street by V.S Naipaul
   f)

5). Write down the nouns, adjectives, verbs and prepositions used in The Story of Keesh, The Machine Stops, and Julius Caesar.

6). Write a short dialogue between:
   i. Two friends on a topic of common interest.
   ii. Two boys who have just come out of Examination Hall.
iii. Two friends discussing holiday plans
iv. teacher and student on paper rechecking.

7). Change the voices of:
   i. present Indefinite, Present Continuous, Present Perfect, Past Indefinite, Past Continuous, Past Perfect, Future Indefinite, and Future Perfect.
Winter Vacation Assignment
Class New 7
General Science

1) Write a short note on Nervous system?
2) What are two types of Nerve cells?
3) What are Synapses?
4) What are Voluntary and Involuntary actions? Give examples.
5) What do you know about Receptors?
6) What is Stimulus?
7) What is Autonomic Nervous System?
8) Name 5 Sense organs and Senses to which they response.
9) How Neurons are adopted to carry out important functions of the body? How they are similar to other cells?
10) Write a detail note on Human brain. Explain function of each part.
11) What is Reflex action? Give types of Reflexes. Why Reflexes are important?
12) Define Excretion? Why process of Excretion is important for our body?
13) What is difference between Excretion and Defecation?
14) Why are Lungs considered as organs of Excretion?
15) What are the major functions of Kidney?
16) What is difference between Ureter and Urethra?
17) Do you think Skin should be considered as organ of Excretion?
18) How would blood in Renal arteries may different from the blood of Renal veins?
19) Name various Excretory products released from human body.
20) Briefly discuss Excretion in Plants.
21) What is Kidney failure?
22) Describe internal and external structure of Kidney in detail.

References
✓ https://www.livescience.com/22665-nervous-system.html
✓ https://www.sciencedirect.com/topics/agricultural-and-biological-sciences/excretion
Draw following diagrams on white charts

**Structure of a Typical Neuron**

- Dendrites
- Nucleus
- Cell Body
- Axon
- Schwann's Cells
- Myelin Sheath
- Node of Ranvier
- Axon Terminals
Home Assignment Winter Vacation Class 7th (New)

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Tasks: Question 1, 2 and 3 are only for practice whereas Question 4 and 5 will be collected as winter vacations’ assignment.

Q1. Write the book review of your English assignment in Microsoft Word by taking the following points into consideration: (For Practice Only)
   a) Center the title and make it bold
   b) Apply font size 16 to the title
   c) Justify the paragraph
   d) Underline the dialogues
   e) Apply italics and bold to the character names
   f) Apply bullets at least once

Q2. Create a mark sheet for ten students and their scores in English, Math, Science, Urdu and Social Studies. Find the average marks scored by each student. Also find out which student scored the highest marks in each subject. Use appropriate functions to perform this exercise. (For Practice Only)

Q3. Create email accounts on three different websites. What are the similarities and differences you experience when sending an email through each of them? Do they have similar or different email folders? State which email service you prefer. (For Practice Only)

Q4. Write down the process banks use to grant someone a loan. Think about the conditions that one has to meet to get a bank loan. Draw a flow chart to describe the steps taken by the bank in making a decision.

Q5. Buy Spider Magazine of Month December and January. Read it completely and write the summary of the article you like the most in 300 words.

Note:
A comprehensive test will be conducted from the winter vacations’ assignment on the very first day of new session. Come well prepared for the test.

Home Assignment for Winter Vacations Social Studies

Class 7th Middle Section Session: 2019

Q1. Collect pictures/short news items to make a scrapbook on environmental Pollution.

Q2. Why is the Abbasid rule known as the ‘Age of wealth and Culture’?

Q3. How did the Europeans benefit from the Crusades?

Q4. Write about the importance of Al-Khwarizmi’s work: how did this help later scientists and scholars?

Q5. What were the factors that led to the decline of Muslim states in the 17th and 18th centuries?

Q6. Why were the subcontinent and the South-East Asian Muslim states important to the colonial powers?
Q7. In what ways can the ideas of Shah Waliullah and Syed Ahmed Shaheed be called progressive?

Q8. In what way did Allama Iqbal’s views about Muslims influence their destiny?


Q10. Collect and paste the pictures of important Muslim political leaders of Pakistan Movement on your notebook i.e Nawab Mohsin-ul-Mulk, Nawab Waqar-ur-Mulk, Hakim Ajmal Khan, Syed Ameer Ali and II Chundriger.

Q11. Find out and list some of the natural resources of the Muslim countries that came under western domination in the 17th and 18th centuries.

Q12. What are mechanics, metrology and philosophy?

Q13. Collect and paste the pictures of important motorways and national highways of Pakistan on your note book?

Q14. How is the Gawader sea port important for the economic development of Pakistan? Also paste the pictures of Gawader port?

Winter vacation home work Urdu 7th class

1. مضامین:
   ❖ محنت کی برکتیں
   ❖ میری پسندیدہ شخصیت
   ❖ بمارا وطن بماری پچان

2. کہانیاں:
   ❖ جہوٹ کا انجام
   ❖ اتفاق میں برکت بیں
   ❖ بر جموں کی جگوں سوئیں نیبی بوتوں

3. خوشخطی
   جماعت بہت کی کتاب کا ایک ورق روزانہ لکھیں۔
   50 محاورات کو جملوں میں استعمال کر کے لاتا ہیں۔
<table>
<thead>
<tr>
<th>S.N o</th>
<th>Chapters</th>
<th>Exercise No</th>
<th>Remarks</th>
</tr>
</thead>
</table>
| 1     | Ch: No1 Operations on Sets | Exercise 1: Q No 3 to Q No10 and MCQs. Page No 17 & 18 | • Sets.  
• Types of Sets.  
• Operation on Sets.  
• Properties of Sets. |
| 2     | Ch: No 4 Squares and Square Roots | Exercise 4a (Complete), Exercise 4b Q No 3 to Q No10 and MCQs. Page No 56 & 59 | • Perfect Squares and Square roots.  
• Derivation of positive Square Roots by Prime Factorization.  
• Derivation of Positive Square Roots by Division. |
| 3     | Ch: No 8 Algebraic Expressions | Exercise No 8a Q1/ First five Parts  
Q2, Q4 /First two parts.  
Exercise No 8b Q2/i. ii. iii  
Q4/i. ii. iii. Iv and MCQs. Page No 112 & 117 | • Exponents.  
• Algebraic Expressions.  
• Arranging Polynomials in Ascending and Descending Order.  
• Operation on Algebraic Expressions. |
| 4     | Ch: No 9 Algebraic Identities | Exercise 9 (Complete) and MCQs. Page No 124 & 125 | • Square of the Sum of Two Terms.  
• Square of the Difference of Two Terms.  
• Product of Sum and Difference of Two Terms. |

Assignment: **CIRCLE**

*Write a complete note on a Circle with the help of a diagram.*  
Explain the following elements of a Circle.  
Centre, Circumference, Radius, Diameter, Semicircle, Chord, Arc, Minor Arc, Major Arc, Segment, Minor segment, Major segment, Sector, Minor Sector, Major Sector, interior and exterior of a Circle.

**Note:**  
*Test of these exercises will be held in 1st week after vacations.*  
*Make separate notebook for Home Assignment for Winter Vacations*