Takshila Academy

Summer Vacation Homework: 2023-24

Class-IX

Subject: Computer Application

I. Answer the following question.
1. What is CPU? Explain different part of CPU.
2. Explain different types of computer
3. Explain units of memory.
4. Draw blocks Diagram of computer.

II. Application based question.
5. Raj is confused about the functions of all the shortcut key combinations, he has learnt till now. So, help him to fill the following table?

Shortcut Key	Functions	Shortcut Key	Functions
Ctrl + A		Ctrl + L	
Ctrl + B		Ctrl + E	
Ctrl + S		Ctrl + R	
Ctrl + X		Ctrl + J	
Ctrl + C		Ctrl + H	
Ctrl + V		Ctrl + F	
Ctrl + O		Ctrl + W	

6. **Which of the fallowing features are present in a <u>plane text editor</u> and a <u>word processor</u>? Place a tick mark (√) in front of them.**

	Features	Word Processor	Plain text Editor
1.	Ease and speed of typing		
2.	Editing features		
3.	Storage Features		
4.	Graphics features		
5.	Printing features		
6.	OLE features		
7.	Vocabulary& Spelling Check features		
8.	Mail Merge		
9.	Auto Correct		
10.	Cross-reference		

Subject: English

1. Draft a travel brochure based on your real experiences of exploring the places, their food, culture, people and lifestyle. Use pictures, travelling tickets, maps, stamps anyhandicrafts or any other product (speciality of the place) to make it more creative.

2. Read English newspapers every day during vacations. You can observe the first page, the pages that display the business news and sports and design any page of the newspaper you like the most by making your headlines and content as well. Use the A4 sheet for this.

Subject: Hindi

1. हिंदी साहित्य के महान उपन्यासकार मुंशी प्रेमचन्द अथवा ज्ञानमर्गी कवि कबीर दास जी के जीवन और उनकी रचनाओं पर एक रचनात्मक परियोजना कार्य और उनसे संबंधित कोलाज या पोस्टर बनाकर प्रस्तुत कीजिए ।

2. (क) आपने ग्रीष्म अवकाश कैसे बिताया, यह बताते हुए अपने मित्र को पत्र लिखिए।

   (ख) कोरोना महामारी के कारण साफ़-सफ़ाई को ध्यान में रखते हुए अपने मोहल्ले के स्वास्थ्य अधिकारी को पत्र लिखिए।

Subject: Science

Physics

1- Locate three places in Ambedkarnagar, Travel by any vehicle to that place. Draw path of motion in simple map. Find distance and displacement. Note down the odometer reading and speedometer reading on every 1 km .Draw distance -time and displacement Time graph.

2- Travel three places in Ambedkarnagar. Write down odometer reading and speedometer reading on every one kilometre. Take 50 reading of speedometer. Arrange the data in sequence according to time. Take average of five. Same for acceleration also. a. Draw velocity -time graph, find distance through graph, compare the reading with odometer. Find out error in above process. Draw acceleration time -graph.

Chemistry

1) Make a project report on applications of conversion of states of Matter in your daily life

2) Explain the existance of recently discovered states of Matter i. e Plasma state and B.E.C

BIOLOGY

Osmosis with raisins and apricots

Perform the given activity and write your observation in your fair note book click the picture of your work and paste on suitable place on the page where you will write your observation.

1. Put dried raisins and apricots in pure water and leave them for some time. Then place them in to a concentrated solution of sugar or salt. Each gains water and swells when placed in pure water due to endosmosis. When such swollen raisins/ apricot are placed in the concentrated solution, each of them loses water and consequently shrinks due to exosmosis.
2. Study about the scientist given below and write their contribution in the field of biology.
   I.   Hari Govind khorana
   II.   Robert koch
   III.   Louis Pasteure

Subject: S.ST. (History)

1. In Loksabha election 2024 what will be your issues on which you feel that should be raise in   election and why?

2. Make a manuscript: Take a broad leaf. Put it under a heavy book for ten days. On the leaf write the preamble of the indian constitution?

Subject: Geography

1- Prepare a map of India showing the distribution of different types of forest
2- Prepare a historical account of conservation of forest of India with focus on **chipko.**