

SAINIK SCHOOL IMPHAL
SUMMER VACATION
HOMEWORK/ASSIGNMENT
CLASS X
2023-24

SUBJECT: COMPUTER APPLICATIONS (165)

Instructions:

- Homework/Assignment should be done in A4 size paper. Please write only on one side of the page.
- Minimum no. of pages required is 13 pages.
- **The complete assignment should be hand written.** Printing of assignment is not allowed. One topic should be written in one page only.
- Search the topics in Internet.

I. Write an assignment on the various Internet Protocols. The following Protocols should be included:

- TCP/IP
- SMTP
- POP3
- HTTP
- HTTPS
- SSH
- SFTP
- FTP
- SCP
- TELNET

The sequence of the assignment should be as follows:

- Cover Page
- Contents
- Introduction
- Explaining the various topics

Details are given below.

Cover Page

“Internet Protocols”

Summer Vacation Assignment: 2023-24

Submitted By:

Cdt

Adm No

Class... Section ...

Submitted To:

Sir Tiken

TGT Computer Science

SAINIK SCHOOL IMPHAL

2nd Page

Contents

	Page No
Introduction	1
TCP/IP	2
SMTP	3
POP3	4
HTTP	5
HTTPS	6
SSH	7
SFTP	8
FTP	9
SCP	10
TELNET	11

Introduction

Introduction

(Write a short note on Inter Protocols in about 200 words)

TCP/IP

(Explain in detail about the TCP/IP in this page in about 200 words.)

SMTP

(Explain in detail about the SMTP in this page in about 200 words.)

POP3

(Explain in detail about the POP3 in this page in about 200 words.)

HTTP

(Explain in detail about the HTTP in this page in about 200 words.)

HTTPS

(Explain in detail about the HTTPS in this page in about 200 words.)

SSH

(Explain in detail about the SSH in this page in about 200 words.)

SFTP

(Explain in detail about SFTP in this page in about 200 words.)

FTP

(Explain in detail about the FTP in this page in about 200 words.)

SCP

(Explain in detail about the SCP in this page in about 200 words.)

TELNET

(Explain in detail about the TELNET in this page in about 200 words.)

Sub- Biology

Draw the following diagrams

1.fig.6.1

2.fig.6.3

3.fig.6.4

4.fig.6.5

5.fig.6.6

6.fig.6.9

7.fig.6.10

8.fig.6.11

9.fig.6.13

10.fig.6.14

11.fig.7.1

12.fig.7.2

13.fig.7.3

14.fig7.5

15.fig.7.6

16.fig7.7

#cadets are advised to use A4 size paper

- a) What is a chemical Reaction?
- b) What is a chemical equations?
- c) What is a Skeletal equation?
- d. What is a balanced chemical equations?
- e) Why do we need to balance a chemical equations?
- f) What are the different types of chemical reactions?
- g) What is mean by the following reactions? Give an example for each of the reactions.
 - i) Combustion reaction
 - ii) Decomposition Reactions
 - iii) Displacement Reaction
 - iv) Double Displacement reaction
 - v) Oxidation and Reduction
 - iv) Exothermic Reaction
 - vi) Endothermic reaction
- h) Explain Corrosion with the help of an example.
- i) What is Rancidity?

Mr.L.Manoranjan Roy

TGT Gen.Sc

Mathematics

Make a thorough notes on the theory parts of:

- (a) Real Numbers
- (b) Polynomial
- (c) Co-ordinate geometry
- (d) Quadratic equation

Subject Teacher: - THOKCHOM MENEKA DEVI

Subject: Manipuri

Section A : - Project / Topic

Manipursida phangba pourou / praman panthei 500 gi maramda khomjinba leirik ama mashagi oina semmu

Section B : - Creative Writing

Apamba ama khallaga essay erak uh.

1. Eina football sannaroi oiramlabadi
2. Inkhatlakliba Naharolsingda drugs.
3. Maheiroi amadi thaksi khasi

Section C: - Home work based on Text Book for BOSEM

- (a) Chapter 1: - Kavina kna-knabu eigi khunjani haina haibagey?
- (b) Chapter 2: - Mina kari haikhigadagey khanbagi amang ata neinarak uh
- (c) Chapter 3: - Grammar
 1. Meiteilon gi grammar da Morph, Morpheme, Allomorph gi khetnaba tak u
 2. Root amadi Morpheme gi khetnaba erak uh.

SUBJECT: ENGLISH

- A. Given below is the vacation assignment for the Academic Session 2023-24.
- B. Select one of the books given to write the Book Review on newly procured two-line HW notebook.
- C. Fill out the content page of the notebook providing details of cadet and topic.
- D. Remake columns on the right margin OF CONTENT PAGE for getting signatures from Subject Teacher, Senior Master, Vice Principal and Principal.
- E. Write the Book Review according to the format given below. Format is to be strictly maintained since the assignments will be awarded grades.
- F. Headings as given in the format are also to be reflected.
- G. Submit the HW notebook along with the Book to Mrs Sarjoo for Section B and Mr Rajeshwor for Section A while reporting to the school after Summer Vacation.

List of Books:

1. EAT THAT FROG – BRIAN TRACY
2. THE HATE YOU GIVE – ANGIE THOMAS
3. INHERITANCE GAMES – JENNIFER LUNN BARNES

Format:

1. TITLE OF THE BOOK
2. NAME OF THE REVIEWER (CADET'S NAME, ADM NO., CLASS & SECTION)
3. ABOUT THE AUTHOR (FEW LINES)
4. ABOUT THE BOOK/A BRIEF SYNOPSIS (500-750 WORDS)

WOULD YOU RECOMMEND THE BOOK? WHO TO AND WHY?

Assignment 01:

- A. Write ten words and their synonyms and antonyms in alphabetical order on the newly procured two-line HW notebook.
- B. It is compulsory to write dates on daily basis not in content page but in the pages where they are written.
- C. While filling out the content page, write Vocabulary as topic and mention the period of dates on which the whole work is done. E.g., Date x/y/23 to x/y/ 23. Otherwise, number of pages may be written in the same manner as mentioned above. E.g., Page No. x to y.

Assignment 02:

- A. Learn all kinds of sentences. Illustrate them with examples (at least three examples of each kind).
- B. Give three different examples of each of the following determiners.
 - i. Cardinal ii. Ordinal iii. Quantitative (For quantitatives, three examples of each of countable and uncountable nouns may be written).
- C. Update the content page writing the names of topics as Sentence and Determiner in separate serial numbers.
- D. Learn Tense, Concord, Reported Speech (Statement, Command, Request, and Interrogative) and Modals for classroom discussion.

NB: Sequence of the assignments to be written on HW copy:

- 1. Book Review
- 2. Assignment 01 of (VOCABULARY & GRAMMAR)

Assignment 02 of (VOCABULARY & GRAMMAR)

Subject : Physics

Q.1 Differentiate between a real image and a virtual image.

Q.2 Draw a ray diagram of image formed by a plane mirror.

Q.3 Write the Characteristics of image formed by a plane mirror.

Q.4 Draw ray diagrams showing the image formation by a concave mirror when an object is placed

- (a) between pole and focus of the mirror
- (b) between focus and centre of curvature of the mirror
- (c) at centre of curvature of the mirror
- (d) a little beyond centre of curvature of the mirror
- (e) at infinity

Note:

- a) Use separate Note book for vacation work.
- b) Try to do your vacation work by yourself.
- c) Writing and drawing of Ray diagram should be very good and neat.

Social Science

Teacher: PD James & Th. Thoiba

Class X (History & Political Science)

Q.1 What is UNO? What are the organs and agencies with their headquarters?

Q.2 What are important lines and frontiers that divides boundaries of different countries?

Q.3 Describe the Election Manifestos of all National Political Parties of India.

Q.4 List the major amendments of the Constitution of India.

Q.5 Differentiate between the Presidential and Parliamentary form of government.

Class X (Geography)

Q.1 Discuss the prospects of 2023 **G20 summit** for the country of India in industrial sector. Present it in A4 size paper within 1000 words.

Class: X B Sub: Chemistry

1. Why should a magnesium ribbon be cleaned before burning in air?
2. Write the balanced equation for the following chemical reactions.
 - (i) Hydrogen + Chlorine \rightarrow Hydrogen chloride
 - (ii) Barium chloride + Aluminium sulphate \rightarrow Barium sulphate + Aluminium chloride
 - (iii) Sodium + Water \rightarrow Sodium hydroxide + Hydrogen
3. Write a balanced chemical equation with state symbols for the following reactions.
 - (i) Solutions of barium chloride and sodium sulphate in water react to give insoluble barium sulphate and the solution of sodium chloride.
 - (ii) Sodium hydroxide solution (in water) reacts with hydrochloric acid solution (in water) to produce sodium chloride solution and water.
4. Why do we apply paint on iron articles?
5. Oil and fat containing food items are flushed with nitrogen. Why?
6. You have been provided with three test tubes. One of them contains distilled water and the other two contain an acidic solution and a basic solution, respectively. If you are given only red litmus paper, how will you identify the contents of each test tube?
7. Take some finely chopped onions in a plastic bag along with some strips of clean cloth. Tie up the bag tightly and leave overnight in the fridge. The cloth strips can now be used to test for acids and bases. Take two of these cloth strips and check their odour. Keep them on a clean surface and put a few drops of acidic substance (lemon juice, dilute HCl solution, sulphuric acid etc) on one strip and a few drops of basic substance (lime water, dilute NaOH solution etc) on the other. Rinse both cloth strips with water and again check their odour. Write your observations.
8. Why should curd and sour substances not be kept in brass and copper vessels?
9. Take solutions of glucose, alcohol, lemon juice etc. Fix two nails on a cork, and place the cork in a 100 mL beaker. Connect the nails to the two terminals of a 6 volt battery through a bulb and a switch, as shown in figure given below. Now pour some dilute HCl in the beaker and switch on the current. Repeat with dilute sulphuric acid. What do you observe? Repeat the experiment separately with glucose and alcohol solutions. What do you observe now? Does the bulb glow in all cases?



10. A solution reacts with crushed egg-shells to give a gas that turns lime-water milky. The solution contains (a) NaCl (b) HCl (c) LiCl (d) KCl

11. Which one of the following types of medicines is used for treating indigestion? (a) Antibiotic (b) Analgesic (c) Antacid (d) Antiseptic

12 Why does distilled water not conduct electricity, whereas rain water does?

Note: If you have any doubt in question and answer you can contact me

A Sochen singh
Sainik School Imphal

Subject: Manipuri

Subject Teacher: M Jiten Singh

1. ক্ষৰ্ণী ক্ষৰ্ণী স্তৰীয়া স্তৰীয়া লক্ষীয়া নক্ষী ॥

a) খেৰ্ণীয়া তেয়াৰ খৰ্ণীয়া স্তৰীয়া (Lesson-খৰ্ণীয়া স্তৰীয়া)

খেৰ্ণীয়া লক্ষীয়া তেয়াৰ

খেৰ্ণীয়া স্তৰীয়া খৰ্ণীয়া

খেৰ্ণীয়া লক্ষীয়া খৰ্ণীয়া স্তৰীয়া ॥

b) স্তৰীয়া (Lesson-স্তৰীয়া)

স্তৰীয়া খেৰ্ণীয়া

স্তৰীয়া খেৰ্ণীয়া

স্তৰীয়া

স্তৰীয়া ॥

খেৰ্ণীয়া স্তৰীয়া স্তৰীয়া ॥

2. স্তৰীয়া স্তৰীয়া স্তৰীয়া স্তৰীয়া স্তৰীয়া স্তৰীয়া স্তৰীয়া স্তৰীয়া
স্তৰীয়া ॥ (Lesson-স্তৰীয়া স্তৰীয়া)

3. স্তৰীয়া স্তৰীয়া স্তৰীয়া ? স্তৰীয়া স্তৰীয়া স্তৰীয়া স্তৰীয়া ? স্তৰীয়া
স্তৰীয়া ॥

4. স্তৰীয়া স্তৰীয়া স্তৰীয়া ? স্তৰীয়া স্তৰীয়া ? স্তৰীয়া স্তৰীয়া ॥

कक्षा-दसवीं
हिंदी गृहकार्य

1) संचयन व स्पर्श पाठ्य पुस्तक के(गद्य) कहानियों को ध्यानपूर्वक पढ़कर ,पाठ में आए मुहावरों को रेखांकित करके उसे

कॉपी में उतारकर उसका अर्थ लिखे।

2) स्पर्श पाठ्य पुस्तक के कवियों के उचित इतिहास काल जानने का प्रयास करे।

3) अपने पाठ्य पुस्तक से संबंधित किसी दो लेखक व कवि के जीवन परिचय याद करे

4) स्वरचित हिंदी की कोई दो- कविता / निबंध / कहानी लिखिए ।