



ACADEMIC WORLD SCHOOL™ BEMETARA

SUMMER VACATION ASSIGNMENT

SESSION 2024-25

CLASS: XI (OPTIONAL SUBJECTS)

General Instructions:

1. Write in a clear and legible handwriting.
2. Complete all the homework in a separate subject Summer Vacation Homework Notebook.
3. **DO NOT COPY AND PASTE FROM THE INTERNET.** (Assignment will be rejected)
4. In case of reference from the internet, you may:
 - A. Read the content from the internet, if you wish and paraphrase (Rewrite in your own words)
 - B. Mention the source of your information by providing the link from the internet for the verification by the teachers.
5. Marks awarded will be counted in the final scores at the end of the session.
6. The Summer Vacation HW will be submitted immediately upon arrival to school after Summer Vacation.
7. For any assignment related query do post your question on E-Mail Id of respective subject teacher. List of Subject Teacher's E-Mail ID attached.

Note for the Parents:

Parents are requested to guide his/her wards to complete their assignments honestly and submit by the due date.



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SUMMER VACATION ASSIGNMENT

SESSION 2024-25

CLASS: XI

SUBJECT : INFORMATICS PRACTICES (065)

➤ **Do the following questions in a homework copy.**

Q1.	_____ is known as a volatile memory a) RAM b) ROM c) EPROM d) Flash	1
Q2.	Identify the input device(s): a) Speaker b) Printer c) Key board d) Scanner	1
Q3.	Which of the following is referred to the brain of computer? a) Processor b) RAM c) Hard Drive d) ROM	1
Q4.	ASCII stand for ____ a) American Standard Computer for Information Interchange b) American Status Code for Information Interchange c) All India Standard Code for Information Interchange d) American Standard Code for Information Interchange	1
Q5.	Python is the fastest language. a) False b) True	1
Q6.	The fetch –Decode –execute cycle is also known as_cycle a) Process Cycle b) Instruction Cycle c) Execute Cycle d) All above	1
Q7.	Which of the following is not a Python IDE? a) IDLE b) Sublime Text c) Jupyter Notes d) Spyder	1
Q8.	Which one of the following is NOT a computational thinking technique? a) Pattern recognition b) Decomposition c) Coding d) None of above	1

Q9.	Antivirus software is an example of ____ a) System software b) Application software c) Utility Software d) Business Software	1
Q10.	Who developed Python Programming Language a) Konrad Zuse b) Guido Van Rossum c) John Von Neumann d) Backus-Naar	1
Q11.	Write any two examples of Application Software.	1
Q12.	24 GB = _____MB = _____KB	1
Q13.	Why is Python termed as 'Free and Open Source' Software?	1
Q14.	Python Programming language got its name from which show?	1
Q15.	How the specific purpose software useful in our life? Explain with example	2
Q16.	What is computer hardware? Give any two examples.	2
Q17.	What is the function of the CPU in a computer? What are its subunits?	2
Q18.	Briefly explain utility Software and its type	2
Q19.	Briefly explain the basic architecture of a computer.	2
Q20.	What is the function of memory? What are its measuring units?	2
Q21.	What is the work of system software? Explain function of its type	2
Q22.	What is the meaning of the term volatile primary memory? Explain briefly.	2
Q23.	What do you understand by flash memory?	2
Q24.	What is cache memory? How it is useful?	2
Q25.	Write full form of IDLE and write the shortcut key to run a Python program.	2



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SUMMER VACATION ASSIGNMENT

SESSION 2024-25

CLASS: XI

SUBJECTS : PHYSICAL EDUCATION

PRACTICAL

1. PHYSICAL FITNESS TEST	SAI KHELO INDIA TEST
2. YOGIC PRACTIC	ANY FOUR ASANAS TO CURE DIABETES OR ASTHAMA
3. GAMES AND SPORTS	ANYONE GAME AND SPORT BASKETBALL, BADMINTON, FOOTBALL, HANDBALL, KHO-KHO, VOLLYBALL, HOCKEY, KABADDI, etc.

NOTE:

- **PROJECT SHOULD BE MADE IN PRACTICAL FILE.**
- **THIS WILL BE CONSIDERED AS FINAL PRACTICAL**



ACADEMIC WORLD SCHOOL™
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SUMMER VACATION ASSIGNMENT

SESSION 2024-25

CLASS: XI

SUBJECT : PSYCHOLOGY (037)

General Instructions:

- (i) All questions are compulsory.*
- (ii) Students are expected to solve questions based on their understanding of the chapters.*
- (iii) Questions are designed based on Chapter 1 of your Psychology class 11 text book.*
- (iv) Students are requested to write the holiday assignment in their Psychology notebook only.*
- (v) Student's self developed answers would be appreciated, your own understanding and knowledge for solving the questions would be more than welcoming (help from text book will be considered).*

ASSIGNMENT QUESTIONS

I. Answer in 30 – 40 words only:

1. What is Psychology?
2. What do you mean by the terms Stimulus & Response?
3. Who is credited with the establishment of first psychological laboratory and when?
4. Define Cognition.
5. What is Introspective method?

II. Answer in 80 – 100 words only:

1. What is the difference between mind and brain?
2. Describe the relationship between Mind and Behaviour?
3. Differentiate between Basic and Applied psychology.

III. Answer in 100 – 150 words only:

1. Discuss psychology as a social science.
2. Describe the relation of psychology with other disciplines.



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SUMMER VACATION ASSIGNMENT

SESSION 2024-25

CLASS: XI

SUBJECT : ENTREPRENEURSHIP

General Instructions:

1. Write in neat handwriting.
2. Complete all homework in respective Subject Notebook or as per instructions given by the respective Subject Teachers.
3. You may use color and graphics to decorate your work.
4. Assignment, Project, Videos must be uploaded in the given Google Form link/any other mode instructed by your Subject Teacher.
5. Do not copy and paste from the internet. (Assignment will be rejected)
6. In case of reference from the internet, you may:
 - A. Read the content from the internet, if you wish and paraphrase (rewrite in your own words)
 - B. Mention the source of your information by providing the link from the internet for the verification by the Teachers.
7. Marks to be awarded that will count in final scores at the end of the session.

Note for the Parents –

Parents are requested to guide his/her wards to complete their assignments honestly and by the due date

Visit of the District Industries Centre and prepare a report of activities and programs undertaken by them



ACADEMIC WORLD SCHOOL™ BEMETARA

SUMMER VACATION ASSIGNMENT

SESSION 2024-25

CLASS: IX, X, XI, & XII

SUBJECT : HINDI

कक्षा 9 - पोर्टफोलियो परियोजना

कक्षा 10 - पोर्टफोलियो परियोजना

कक्षा - 11 वीं और 12 वीं

- कक्षा - 11
- (क) ग्रामीण जीवन का चित्रण करने वाली कविता एवं कहानी लिखिए।
 - (ख) ग्रीष्म ऋतु के माह में हम अपने स्वस्थ का ख्याल कैसे रखें ? विस्तार से लिखें।
 - (ग) अपने पाठ्यपुस्तक से 5 कवि / कवयित्री और 5 लेखक/लेखिका का संछिप्त जीवन परिचय लिखिए।
 - (घ) एक अच्छे समाचार लेखक और संवाददाता (समाचार बोलने वाला) बनने के लिए कौन-कौन सी विशेषताएँ होनी चाहिए।
- कक्षा - 12
- (क) शहरी एवं ग्रामीण जीवन का चित्रण करने वाली कविता एवं कहानी लिखिए।
 - (ख) ग्रीष्म ऋतु, वर्षा ऋतु और शीत ऋतु का लाभ बताते हुए तीनों ऋतु की विशेषताओं का वर्णन अपने शब्दों में कीजिए।
 - (ग) अपने पाठ्यपुस्तक से 5 कवि/कवयित्री और 5 लेखक/लेखिका का संछिप्त जीवन परिचय लिखिए।
 - (घ) छायावाद के स्तम्भ चारों कवियों की विशेषताएँ लिखिए।

गणेश चंद्रवंशी हिंदी विभागाध्यक्ष



ACADEMIC WORLD SCHOOL™ BEMETARA

SUMMER VACATION ASSIGNMENT SESSION 2024-25 CLASS – XI SUBJECT : COMPUTER SCIENCE

- Q1. Explain the types of operating systems with examples.
- Q2. Specify the measuring units of memory.
- Q3. Explain in brief the working of a touch screen.
- Q4. How does an ALU work?
- Q5. What is the significance of address and data buses?
- Q6. Why is the execution time of the machine code less than that of source code?
- Q7. Write the main difference between microcontroller and microprocessor. Why do smart home appliances have a micro-controller instead of a microprocessor embedded in them?
- Q8. Identify the category (system, application, programming tool) of the following software: 2
- (a) Compiler (b) Assembler (c) Ubuntu (d) Text editor
- Q9. Name the input/output device used to do the following: (a) To output audio (b) To enter textual data (c) To make hard copy of a text file (d) To display the data/information (e) To enter audio-based command (f) To build 3D models.
- Q10. Explain various components of a computer system and show the relationship between them with the help of a diagram.



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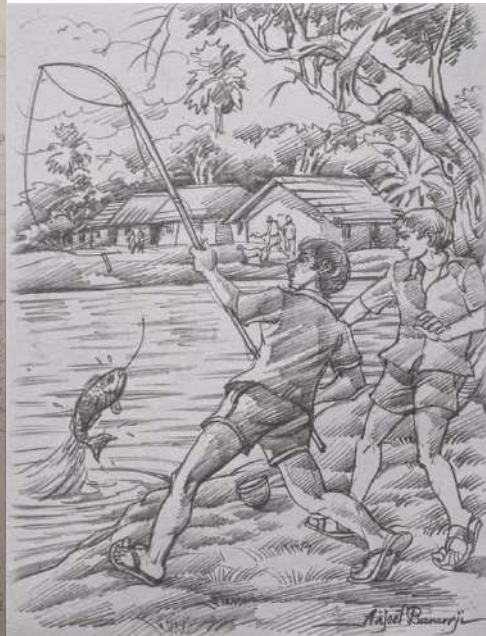
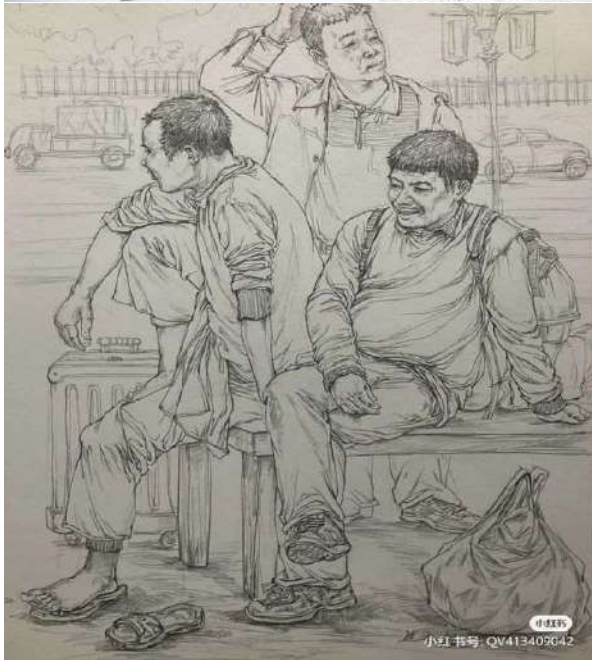
SUMMER VACATION ASSIGNMENT

SESSION 2024-25

CLASS: XI

SUBJECT : PAINTING

1. * Painting: Make any of this composition drawing while using any medium i.e shading, water colour, acrylic colour etc.





ACADEMIC WORLD SCHOOL™
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SUMMER VACATION ASSIGNMENT

SESSION 2024-25

CLASS: XI

SUBJECT : HINDUSTANI MUSIC (036)

General Instructions:

- (i) All questions are compulsory.**
- (ii) All questions belong to Introduction of Tabla.**
- (iii) Word Limit – should not exceed 150- 200 words.**
- (iv) Last submission Date: 15/06/2024**

Assignment Questions

- 1. Draw a Tabla Pair and level it**
- 2. Explain playing techniques of Tabla Varna's (Alphabets).**



ACADEMIC WORLD SCHOOL™
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SUMMER VACATION ASSIGNMENT
SESSION 2024-25
CLASS: XI
SUBJECT : YOGA

PRACTICAL

- 1. EFFECTS OF YOGA ON HUMAN BODY**
- 2. PATANJALI YOG SUTRA**
- 3. YOGA FOR COMMON DISEASES**
- 4. HOW DOES YOGA HELPS IN WEIGHT LOSS**
- 5. EFFECTS OF YOGA ON BODY POSTURE**

NOTE:

- PROJECT SHOULD BE MADE IN PRACTICAL FILE.**
- THIS WILL BE CONSIDERED AS FINAL PRACTICAL**



ACADEMIC WORLD SCHOOL™ BEMETARA

SUMMER VACATION ASSIGNMENT SESSION 2024-25 CLASS – XI SUBJECT : LEGAL STUDIES

TEACHERS: PRAGATI UPADHYAY

OF THE PROJECT:

The project work aims to enable students to:

- identify a legal problem and provide its remedy
- select relevant legal sources and conduct research
- analyze and distinguish between types of cases
- apply case laws and relevant statutory laws

Students can opt for any ONE Project from the three topics given below:

Topic 1: Students can prepare a research project addressing legal issues related to any topic from the textbook or around them that needs immediate redressal.

Some suggested topics-

- Uniform Civil Code
- Law reforms in India
- Juvenile Justice
- Death Penalty
- Any other course related topic

OR

Topic 2- Students can conduct research and draft a report on any recent legislation/ amendment that brought about a social change, for example: Consumer Protection Act, Information Technology Act, Right to Information Act etc.

To conduct research students can examine the conditions that give rise to need for law reform; the agencies of reform; mechanism of reform; assess the effectiveness of law reform in achieving just outcomes with regards to the issue.

METHODOLOGY FOR TOPICS 1 & 2:

The project file should be at least 15 pages.

Steps: -

- Choose a topic
- Gather information from various sources
- Write a statement of purpose of the project
- Support it with research evidence
- Presentation of project should include headings
- List the sources

OR

Topic 3- Understanding the important elements of ‘JUDICIAL DECISION’

OBJECTIVES:

The project work aims to enable students to:

- identify a legal problem and provide its remedy
- select relevant legal sources and conduct research
- analyse and distinguish between types of cases
- apply case laws and relevant statutory laws
- understand parts of a judicial decision

METHODOLOGY FOR TOPIC 3:

1. The student is required to select any 5 decided cases where in one case is of criminal nature, one is of civil nature, one is constitutional, one is related to international law and one is of student’s choice (PIL if possible).
2. The research on the cases must include the following points:
 - a. Name of the case
 - b. Parties to the case
 - c. Nature of the case (Civil, Criminal or Constitutional)
 - d. Facts of the case and issues involved
 - e. Decision of the case

Citation of the case



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SUMMER VACATION ASSIGNMENT

SESSION 2024-25

CLASS: XI

SUBJECT : STANDARD MATHEMATICS

TO BE DONE IN LAB MANUAL

ACTIVITY 1: To verify that for two sets A and B, $n(A \times B) = pq$ and the total number of relations from A to B is 2^{pq} , where $n(A) = p$ and $n(B) = q$.

ACTIVITY 2 : To represent set theoretic operations using Venn diagrams.

ACTIVITY 3 : To distinguish between a Relation and a Function.

ACTIVITY 4 : To plot the graphs of $\sin x$, $\sin 2x$, $2\sin x$ and $\sin x/2$, using same coordinate axes.

ACTIVITY 5 : To construct a Pascal's Triangle and to Write binomial expansion for a given Positive integral exponent.

TO BE DONE IN MILKY FILE

QUESTION : Write a brief description on any one topic given below (page limit at least 10)

1. RELATION AND FUNCTION
2. TRIGNOMETRIC FUNCTIONS
3. CONIC SECTIONS
4. STATISTICS
5. STRAIGHT LINES
6. PERMUTATIONS AND COMBINATIONS

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