LITTLE FAIRY PUBLIC SCHOOL

Summer Holidays Homework CLASS-XI (2026-27) HUMANITIES

This summer vacation the Holiday Homework is designed with the aim of activity based learning. It includes assignments and activities that will foster curiosity, develop creativity, enhance knowledge and instill the joy of learning and doing it in the right-spirit with enthusiasm will make it a great learning experience.

- Discover a new and better you who is enriched and confident and performs every action with utmost perfection.
- It's the perfect time for strengthening family bond, sharing festivities, joys and sorrows, having a good time together.
- Make sure to take some time to focus on interesting books and read as much as you can about the places and people.
- Take good care of your health and hygiene.In this scorching heat, keep yourself well hydrated and energetic.
- Engage yourselves in morning walks, yoga, exercise, meditation with your parents or grandparents.
- Revise all the work done in the class.
- Make sure that your work is neat, presentable, and original and conforms to the guidelines given homework as directed by the teachers

Holiday homework is an attempt to channelize the creative energy; it keeps you connected with the syllabus.

1. **ENGLISH:**

1. Collect 5 English newspaper articles on topics like education, environment, or youth issues. Paste them in a notebook. For each article, write a summary (100–120 words) and find 5 new vocabulary words with meanings.
2. Attempt the following Writing Skills:
   - Design a POSTER on "Save Environment" or "Say No to Plastic".
3. How would *The Portrait of a Lady* change if the story was set in today's modern world?
4. Do you think memories are more powerful than reality, as shown in *The Photograph*? Explain.
5. Was the narrator morally right in keeping the horse in *The Summer of the Beautiful White Horse*? Justify your answer.
6. Prepare a short speech on: **"Old Values vs Modern Lifestyle"**
   "Technology Weakens Family Bonds"

PROJECT WORK : Instructions for Project File:

- The project must be handwritten and should be of 10-15 pages.
- It must include:

1.Cover Page	5. Introduction
2. Certificate	6. Content with headings
3. Acknowledgement	7. Conclusion
4. Index	8. Bibliography

- Use simple English and neat handwriting.
- Add examples, facts, and real-life references.
- Add pictures or newspaper cuttings.
- Work should be original.

TOPICS ARE AS FOLLOWS:

Roll No. 1–7	Topic: Importance of Reading Books
Roll No. 8–14	Topic: Role of Discipline in Student Life
Roll No. 15–21	Topic: Impact of Technology on Education
Roll No. 22–28	Topic: Value of Time Management
Roll No. 29–34	Topic: Importance of Moral Values
Roll No. 35–40	Topic: Clean India Mission (Swachh Bharat Abhiyan)

Roll No. 41onwards Topic: Role of Communication Skills in Student Life.

2.POLITICAL SCIENCE

(I) WRITTEN ASSIGNMENT :-

1. Explain in detail the following fundamental rights (with their Articles)
   – RIGHT TO EQUALITY
   - RIGHT TO LIBERTY AND PERSONAL FREEDOMS
   - RIGHT TO FREEDOM OF RELIGION
   - RIGHT AGAINST EXPLOITATION
   - CULTURAL AND EDUCATIONAL RIGHTS OF MINORITY GROUPS
   - RIGHT TO CONSTITUTIONAL REMEDY
2. Explain the Directive principles of state policy? Write about their relationship with fundamental rights?
3. Which of the fundamental right is in your opinion the most important right? Summarise its provisions and give arguments to show why it is most important.
4. Write a short note on fundamental duties.

(II) PROJECT WORK: -

Make a project on any one of the following topics in 10 to 12 pages on A4 sheets.

(i) Fundamental Rights
(ii) Local level Government.
(iii) Making of Indian Constitution

(III) READING TASK –

1.Read newspapers especially the Editorial page everyday.
2.Read more about Indian constitution.

3.HISTORY

(I) WRITTEN ASSIGNMENT :- Do the following questions in History Notebook.

(II) PROJECT WORK: -

Make a project on any one of the following topics in 20 to 30 pages on A4 sheets.

a. Writing and City Life in Mesopotamia
b. Development of writing in Mesopotamia Civilisation
c. An Empire across the three continents.
d. Social and political conditions during Roman Empire

4.ECONOMICS

(I) WRITTEN ASSIGNMENT :-

1.Write all the formulas for calculating mean median and mode and practice these questions in your fair separate note book.
2.Practice drawing the bar- diagrams, histograms and pie chart with different colours to make it more attractive.
3.Make the self notes of Micro Economics Unit-1: Introduction , Unit 2: Consumers Equilibrium

(II). CREATIVE ACTIVITY:

1. Make a special handmade decorative file with cotton fabric with own creativity and with own designs.
2. Make a handmade eco friendly articles for home decoration (atleast 5 things)

(III) READING ACTIVITY:-Prepare a current affairs file

1. Write at least one economics current news in your file.

5.INFORMATICS PRACTICES : Do the given ASSIGNMENT in I.P. Notebook

MAKE A POWERPOINT PRESENTATION TOPIC ON ANYONE OF THE FOLLOWING TOPIC .

1. Computer System Components
- Input, Processing, Storage, Output
- Use block diagrams and real-life device images

2. Types of Software
- System Software vs Application Software
- Include examples like Windows, Linux, MS Word, Photoshop

3. Memory Hierarchy in Computers
- Registers → Cache → RAM → HDD/SSD
- Include a pyramid or tier diagram

4. Input and Output Devices
- Categorize: Text, Pointing, Audio/Video Input; Visual, Print, Audio Output
- Use device images

5. Binary Number System
- Binary to Decimal conversion and vice versa
- Include examples with step-by-step conversions

6. Role of Operating System
- Functions like File Management, Memory Management, Task Scheduling
- Use icons and flowcharts

MAKE A CHART ON ANY ONE THE FOLLOWING TOPIC

Chart 1: Block Diagram of a Computer System
- Show flow: Input → CPU → Memory → Output
- Color code each section

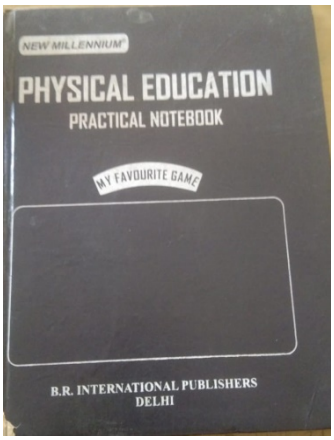
Chart 2: Types of Memory
- RAM, ROM, Cache, Secondary Storage
- Include key properties: speed, volatility, size

Chart 3: Software Types
- Table comparing System and Application software
- 2 columns: Features + Examples

Chart 4: Data Units in Computers
- Bit, Byte, KB, MB, GB, TB
- Show hierarchy in size

Chart 5: Input/Output Devices
- Divide into two halves: Input devices on left, Output devices on right
- Paste printed images or draw neatly

6.PHYSICAL EDUCATION



1. Prepare the Practical File (In the lab manual only)
2. Practical File will consist following three practicals in detail
3. **Practical- 1:** Fitness tests administration. (SAI Khelo-India Test). SAI Khelo-India Fitness Test Battery: (Test name, objective/purpose, equipment required, procedure, scoring method, standard norms and the picture/diagram)
4. A. For the age category of 5 to 8 years old:
    1. BMI
    2. Flamingo balance test
    3. Plate tapping test

5. B. For the age category of 9 to 18 years old:
    1. BMI
    2. Push-ups & Modified push-ups
    3. Curl-ups & Partial curl-ups
    4. 50mDash
    5. Sit and Reach test
    6. 600m Run/walk
6. **Practical- 2:** Procedure for asanas, benefits & contraindications for any two asanas for each lifestyle diseases: Obesity, Diabetes, Hypertension, Asthma, Arthritis & lower back pain. (Total 10 asanas will be there, picture/diagram is mandatory for all asanas)
7. **Practical- 3:** Anyone IOA recognized Sport/Game of choice. Labelled diagram of Field & Equipment. Mention the history, rules, terminologies, fundamental skills, scoring method, fouls, officials, International & Indian federation, and arjun awardee.
   (Ex:Volleyball/Basketball/Football/Handball/Hockey/Cricket/Kabaddi/Kho-Kho/Archery /Badminton/Boxing/Chess/Swimming)
   NOTE: Brown cover page, picture/diagram and index are mandatory.
    2. Complete the subject copy (till chapter-2).

ASSIGNMENT **ENGLISH**

Do the following questions in your English Notebook.

Q1). You have recently upgraded your laptop and now wish to sell the old one. Prepare an advertisement including brand, features, and contact details.

Q2) You have a furnished room available for students near a coaching centre. Prepare a "To Let" advertisement.

Q3) You are looking for a furnished single room near a metro station in Delhi. Draft an advertisement.

Q4) Your uncle wants to sell his fully furnished apartment in Gurgaon. Draft a suitable advertisement mentioning facilities.

ASSIGNMENT **HISTORY**

Q1 Define Cunieform.

Q2 What are the conditions of the Mesopotamia women?

Q3 What are the various reasons for the development of writing?

Q4 What are the features of the urbanization? Explain.

Q5 Explain the temples in southern Mesopotamia.

Q6 Describe the legacy of writing in Mesopotamia.

Q7 Describe the movement of goods into cities and communication during the period of Mesopotamian civilization.

Q8 What do you know about Augustus regime?

Q9 Who was Augustus?

Q10 What is the difference between Roman Empire and Iranian Empire?

Q11 Explain Third century crises.

Q12 Write a short note on Gender, literacy and culture during Roman Empire.

Q13 What were the various economic activities of ancient Roman Empire?

Q14 Explain the social classification of Roman Empire.

ASSIGNMENT- Informatics Practices: Ch-Computer System Worksheet-1

Section A: Multiple Choice Questions

1. **Which component acts as the brain of the computer system?**
   A) RAM B) CPU C) Hard Disk D) ROM
2. **What type of memory is volatile and loses data when power is turned off?**
   A) ROM B) SSD C) RAM D) Flash Drive
3. **Which of the following is an example of system software?**
   A) MS Word B) Operating System C) Google Chrome D) VLC Player
4. **What is the smallest unit of digital memory?**
   A) Byte B) Bit C) Kilobyte D) Nibble
5. **Which CPU register holds the address of the next instruction to be fetched and executed?**
   A) Memory Address Register (MAR) B) Program Counter (PC)
   C) Accumulator (AC) D) Instruction Register (IR)
6. **A system uses 32-bit memory addresses. What is the maximum theoretical RAM capacity it can address directly without extensions?**
   A) 2 GB B) 4 GB C) 8 GB D) 16 GB
7. **Which software type acts as an intermediary layer, allowing different application programs to communicate and share data with each other?**
   A) Device Driver B) Middleware C) Utility Software D) Firmware
8. **If a computer system uses a 64-bit word size, what does this primarily indicate?**
   A) The data bus can transfer 64 bytes at a time.
   B) The CPU can process 64 bits of data in a single cycle.
   C) The storage disk reads data in 64-bit blocks.
   D) The RAM has 64 memory channels.
9. **Which of the following best describes the function of the Control Unit (CU) during the machine cycle?**
   A) It performs logical and relational operations on data.
   B) It fetches, decodes, and manages the execution of instructions.
   C) It permanently saves the state of applications.
   D) It allocates logical memory addresses to physical storage blocks.
10. **In a modern computer memory hierarchy, which memory level offers the fastest access time?**
    A) Level 3 (L3) Cache B) Primary RAM C) CPU Registers D) Solid State Drive (SSD)
11. **If an operating system uses a "GUI" layout, what software layer translates your mouse clicks into machine code?**
    A) Language Processor B) Device Driver C) Application Interface D) Operating System Kernel
12. **How many Kilobytes (KB) are there in exactly 1 Gigabyte (GB) when using binary memory calculation standards?**
    A) 1,000,000 KB B) 1,024 KB C) 1,048,576 KB D) 1,073,741,824 KB

Section B: Short Answer Questions

1. Define the primary functions of the Control Unit (CU) and the Arithmetic Logic Unit (ALU).

2. Differentiate between proprietary software and free and open-source software (FOSS).
3. Convert the following memory units: 4 GB into Megabytes (MB).
4. Explain the purpose of cache memory in a computer system.
5. Distinguish between the functions of **RAM** and **ROM** in terms of who writes the data to them and when it happens.
6. A smartphone specifications sheet lists a "System on a Chip (SoC)". How does an SoC differ from a traditional computer motherboard architecture?
7. Convert **8,388,608 Bits** into **Megabytes (MB)**. Show the step-by-step division process.
8. Explain how **Defragmentation utilities** improve the read/write performance of a mechanical Hard Disk Drive (HDD).

Section C: Long Answer Questions

1. Draw a neat block diagram of a functional computer system. Explain the role of the input, output, CPU, and storage units.
2. What is an operating system? Discuss its major functions regarding resource management and user interface.

Section D: High-Order Thinking Short Answer Questions

1. Contrast the operational differences between a **Compiler** and an **Interpreter** regarding execution speed and error debugging.
2. A user installs a brand new external graphics card, but the operating system fails to utilize its hardware acceleration features. Identify the missing system software component and explain its role.
3. Mathematically prove how many Terabytes (TB) are exactly equivalent to \(2^{40}\) Bytes.
4. Explain the concept of **von Neumann architecture** bottlenecks and how modern cache hierarchies mitigate this issue.

Section E: Complex Analytical Questions

1. Analyze the boot process (Bootstrapping) of a computer system. Detail the chronological role of ROM, BIOS, POST, and the Storage Drive in loading the Operating System into RAM.
2. Discuss the concept of **Cloud Computing**. Differentiate between its three major service delivery models: Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). Give one practical example of each.
3. Analyze the role of **Language Processors** in computing. Compare and contrast an **Assembler**, a **Compiler**, and an **Interpreter** based on their input format, target output, and speed.
4. Differentiate between **System Utilities** and **Application Software**. Classify the following into their exact software categories with a brief justification for each:
   Disk Defragmenter Device Driver for a Printer Python IDLE
   Backup Software

ASSIGNMENT- Informatics Practices

Chapter - Introduction to Python
Worksheet-2
Section A: Multiple Choice Questions

1. **Which of the following is an invalid identifier in Python?**
   A) my_var B) _init_ C) 2nd_value D) DataValue
2. **What will be the output of the Python expression print(13 // 4, 13 % 4)?**
   A) 3.25, 1 B) 3, 1 C) 3, 3 D) 3.0, 1.0

3. **Python is an interpreted language. What does this mean?**
   A) The code is compiled into an .exe file before execution.
   B) The source code is executed line-by-line.
   C) The code runs directly on hardware without any translation.
   D) It does not require any memory allocation.
4. **Which of the following statements best describes how Python allocates memory to variables?**
   A) It reserves a fixed memory space based on the variable's explicit type declaration.
   B) It creates a data object in memory first, then tags it with the variable name as a reference.
   C) It allocates memory blocks alphabetically based on the variable identifier's name.
   D) It maps all variables directly to physical CPU registers to speed up script processing.
5. **What is the fundamental purpose of a namespace in a Python environment?**
   A) To ensure that code runs faster by sorting variable names by size.
   B) To act as a dictionary containing mapping structures that prevent naming conflicts.
   C) To compress raw source code files into smaller binary files before execution.
   D) To define which external libraries can be legally imported by the user.
6. **Why are Python keywords restricted from being used as variable identifiers?**
   A) Keywords require more storage bytes than user-defined names.
   B) Keywords are reserved by the interpreter to understand the structure and syntax of the program.
   C) Keywords can only contain uppercase characters, violating variable naming design patterns.
   D) Keywords are encrypted internally to prevent source code tampering
7. **What is the value of the Python expression -11 // 3?**
   A) -3 B) -3.66 C) -4 D) -4.0
8. **Which operator in Python has the highest precedence order during evaluation?**
   A) * B) + C) // D) **
9. **What will be the exact data type and value returned by the expression 16 // 4.0?**
   A) 4 (int) B) 4.0 (float) C) 4.0 (int) D) 4 (float)
10. **What is the output of the expression print(14 % -3)?**
   A) 2 B) -1 C) -2 D) 1

Section B: Short Answer Questions

1. Differentiate between interactive mode and script mode in Python.
2. What are tokens in Python? Name any three types of tokens with an example for each.
3. Explain the structural concept of **Operator Precedence** and **Associativity** in Python when evaluating complex expressions without parentheses.
4. State the features of Python.
5. What are the limitations of Python.