

**GYAN MANDIR PUBLIC SCHOOL**  
**SUMMER HOLIDAY HOMEWORK**  
**CLASS – XI C ( HUMANITIES)**

**ENGLISH**

1. Prepare an attractive PPT on Tenses (Present, Past and Future)
2. Make a DIY Album of your childhood memories with a beautiful cover page (minimum 5-6 pages)
3. Diary entry: Granny's Talk/Grandpa's Talk:- Students to visit their grandparents and help them remember about their past, their long lost homelands and how they coped to a new country after partition. Students to refer to the old age songs, homemade recipes of their grandparents, their talents of the time etc. Record your feelings, experience and learnings on the basis of your research in the form of a dairy entry (word limit: 150-200 words)
4. Advertisement: Imagine that you are offering a Summer camp of 20 days under the title "MASTI KI PATHSHALA". Mention all the attractions to grab admissions, offer interesting and innovative courses for a particular age group, timings, fee structure etc. Prepare a creative pamphlet for the same.

NOTE: The project must be submitted with Student's Name, Class and Section with an innovative Title page.

**विषय -हिंदी**

**सामान्य निर्देश-**

- ❖ संपूर्ण कार्य करना आवश्यक है।
- ❖ संपूर्ण कार्य दिए गए निर्देशानुसार करें।
- ❖ सुलेख सुंदर लिखाई में करें।
- ❖ ओपन डे प्रोजेक्ट के लिए आकर्षक मॉडल ,फ्लैश कार्ड, सूचना कार्ड निर्देशानुसार बनाइए।

**अकादमी कार्य (शैक्षणिक कार्य)**

- नोट- आवधिक परीक्षा के लिए कक्षा में करवाए गए पाठ्यक्रम का अभ्यास एवं दोहरान कार्य करें।



## **PSYCHOLOGY**

1. Complete the “Introduction of psychological testing” in practical File.

2. Explore various Career options with Psychology-

Give a detail description of the renowned colleges/institutes available in the country for various undergraduate and postgraduate courses. Write about the career options available with each course.

### **WORKSHEET:**

- 1) “Adolescence is a period of making choices pressure careers building of self and uncertainties”. Describe the psychological changes and the problems that an adolescent may go through during this period of life.
- 2) What role does Humanistic view play within the development of an individual’s self and why?

### **Case study question-**

Read the case and answer the questions that follow.

A young child hears the bell of an ice cream truck approaching in the summer time. This truck has come to her neighborhood every day for weeks but usually comes earlier in the afternoon. This makes her salivate and get excited. She then runs into the house and asks her dad for some money but her father refuses to give her any money since it is close to dinner. She then starts to cry and has a tantrum. After a few seconds, her father gives her the money in order to stop her from crying. This seems to happen on a daily basis.

Identify the classical conditioning present in the above situation.

## **COMPUTER SCIENCE**

- Revise Chapter – 1 , 2 and 3 &4
- Do Worksheets

### **Worksheet- 1**

1. Name the software required to make a computer functional. Write down its two primary services.
2. What is the need for secondary memory?
3. Draw the block diagram of a computer system. Briefly write about the functionality of each component.
4. Why is primary memory termed as “destructive write” memory but “non-destructive” read memory?

5. Discuss the role of utility software in the context of computer performance?
6. Write equivalent memory units of the following:
  - 596 MB = \_\_\_\_\_ KB
  - 14 PB = \_\_\_\_\_ GB
  - 135 YB = \_\_\_\_\_ PB
  - 10000 MB = \_\_\_\_\_ PB
  - 1000000 KB = \_\_\_\_\_ GB
7. What is the need of RAM? How does it differ from ROM?
8. Name the input or 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 or information
  - e) To enter audio-based command
  - f) To build 3D models
  - g) To assist a visually-impaired individual in entering data
9. What is Operating system. Write any three functions of Operating System.
10. SRAM is faster memory than DRAM. (True/False)

### Worksheet-2

Write base values of binary, octal and hexadecimal number system.

1. Write full form of ASCII and ISCII.
2. Write the following conversions.
 

(i) $(514)_8 = (?)_{10}$	(iv) $(4D9)_{16} = (?)_{10}$
(ii) $(220)_8 = (?)_2$	(v) $(11001010)_2 = (?)_{10}$
(iii) $(76F)_{16} = (?)_{10}$	(vi) $(1010111)_2 = (?)_{10}$
3. Do the following conversions from decimal number to other number systems.
 

(i) $(54)_{10} = (?)_2$	(iv) $(889)_{10} = (?)_8$
(ii) $(120)_{10} = (?)_2$	(v) $(789)_{10} = (?)_{16}$
(iii) $(76)_{10} = (?)_8$	(vi) $(108)_{10} = (?)_{16}$
4. Express the following octal numbers into their equivalent decimal numbers.  
(i) 145 (ii) 6760 (iii) 455 (iv) 10.75
5. Express the following decimal numbers into hexadecimal numbers.  
(i) 548 (ii) 4052 (iii) 58 (iv) 100.25
6. Express the following hexadecimal numbers into equivalent decimal numbers.  
(i) 4A2 (ii) 9E1A (iii) 6BD (iv) 6C.34
7. Convert the following binary numbers into octal and hexadecimal numbers.  
(i) 1110001000 (ii) 110110101 (iii) 1010100 (iv) 1010.1001
8. Convert the following binary numbers into octal and hexadecimal numbers.  
(i) 1110001000 (ii) 110110101 (iii) 1010100 (iv) 1010.1001
9. Write binary equivalent of the following octal numbers.  
(i) 2306 (ii) 5610 (iii) 742 (iv) 65.203
10. Write binary representation of the following hexadecimal numbers.  
(i) 4026 (ii) BCA1 (iii) 98E (iv) 132.45
11. How does computer understand the following text? (hint: 7 bit ASCII code).

## **INFORMATICS PRACTICES**

- Revise Chapter – 1 , 2
- Do the given worksheets

### **Worksheet- 1**

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  - What is the need for secondary memory?
  - Draw the block diagram of a computer system. Briefly write about the functionality of each component.
  - Why is primary memory termed as “destructive write” memory but “non-destructive” read memory?
- Discuss the role of utility software in the context of computer performance?
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  - What is the need of RAM? How does it differ from ROM?
  - Name the input or output device used to do the following:
    - To output audio
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    - To make hard copy of a text file
    - To display the data or information
    - To enter audio-based command
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    - To assist a visually-impaired individual in entering data
  - What is Operating system. Write any three functions of Operating System.
  - SRAM is faster memory than DRAM. (True/False)

### **Worksheet -2**

- State the basic units of Computer along with its sub units and their functions.
- Differentiate between RAM and ROM.
- What is the role of CPU in Computer System.
- Arrange the memory units from smallest to biggest:
  - Giga Byte, Tera Byte, Mega Byte, Byte, Peta Byte, Kilo Byte.
- What is the importance of an OS?
- What is the difference between an interpreter and a compiler?
- What is an application software? Why it is required?
- What is volatile memory?
- Write equivalent memory units of the following:
- 596 MB = \_\_\_\_\_ KB

11. 14 PB = \_\_\_\_\_ GB  
 12. 135 YB = \_\_\_\_\_ PB  
 13. 10000 MB = \_\_\_\_\_ PB  
 14. 1000000 KB = \_\_\_\_\_ GB  
 15. Write short notes on Assembler, Compiler and Interpreter.

## **PAINING**

- Prepare 8 paintings on A2 size sheet for portfolio
- Prepare 3 paintings on folk art on A2 size sheet
- Prepare a roller chart on one topic (“Save Earth” or “Life On Earth”)

## **PHYSICAL EDUCATION**

### **Academic work**

Q1. Make a project file on any Individual game specialization including the following topics

- History of game specialization
- Skills and Techniques of game specialization
- Latest rules & regulation of game specialization
- Dimension & specification of the field/court/ground
- Terminologies of the game specialization
- Famous sports personalities
- Important tournaments of specialization game

## **BANKING**

### **Project Guidelines Points to be kept in mind while preparing the Banking Project for Grade - 11**

1. Always try to choose the interesting business studies project topics
2. Always keep your project short and precise. Add topics only related to your project topic.
3. Try to Add Diagrammatic/Graphic Presentation. Add Diagrams, Pie-Charts, Bar Charts, and Graphs (If Possible)
4. If you have any doubts ask with your project guide for project guidelines
5. Submit your project report on time. Important points that should be included in the project. 1. Title of the project 2.

Problem being discussed in the project 3. The main reason for selecting this project topic 4. Literature Review 5.

The objective of the project

6. Scope of the project
7. Limitations of the project
8. Working methodology of project
9. Acknowledgement
10. Preface
11. Contents of the project
12. Observations and findings

### 13. Conclusion

14. References (reference books, journals, magazines, websites, etc.) Steps to be kept in mind while writing the project

15. Identifying the Project Statement  
2. Setting the Project Objective and Scope of the Project  
3. Defining the Project Tasks and Responsibilities (Creating the Work Flow Structure)  
4. Monitoring the Project and Finding the Important **Resources Required**

A sample project on 'Banking'.

List of Content S. No. Topic Page No.

- 1 Meaning of Banking X
- 2 Types of Banks X
- 3 Functions of Banks X
- 4 Primary Function X
- 5 Secondary Function X
- 6 Electronic banking services X
- 7 Bibliography X

Meaning of Banking Banks occupy an important position in the modern business World. No country can make commercial and industrial progress without a well organized banking system. Banks encourage the habit of saving among the public. They mobilize small savings and channelize them into productive uses. Class 11 Project on Banking A bank is an institution which deals in money and credit. It collects deposits from the public and supplies credit, thereby facilitating exchange. It also performs many other functions like credit creation, agency functions, general services etc. Hence, a Bank is an organization which accepts deposits, lends money and performs other agency functions.

## **POLITICAL SCIENCE**

### **GENERAL INSTRUCTIONS**

- **Read the holiday homework carefully.**
- **For Roller chart/Wall Magazine use good quality of sheet.**
- **For Models use waste material and cardboard available at home.**
- **Assignment work do carefully after reading the NCERT.**
- **Prepare Portion for Upcoming Periodic Test.**

## **ACADEMIC HOLIDAY HOMEWORK**

### CHAPTER 1

#### Introduction to Political Theory

#### Short Answers

1. For whom is Political Theory relevant, and why should we study it?
2. Discuss whether Political science is a science or not.
3. Politics is a study of class struggle. Comment
4. Politics is a study of power. Comment
5. Is Political Science is a Science?
6. Is Political Science is an art?
7. Name a political thinker.

#### Long Answers

1. What is the underlying philosophy of our constitution?
2. What do we study in Political theory? Identify some ways in which Political theory is relevant for us.
3. What is the need and significance of political theory?

## CHAPTER-1

### The Indian Constitution

#### Long Answers

1. What is meant by the term Constitution? Why do we need one?
2. Describe the composition of the Constituent Assembly?
3. “Do you think we are a third class democracy with a first class constitution “Give your views looking at incidents happening in the last two decades?
4. Why is it said that the Constitution of India was non-Indian and wholly Borrowed? How will you answer this criticism?
5. What were the main objectives of the Indian National movement, how did They influence the Indian Constitution?
6. Making a constitution effective depends on factors like” balanced Institutional design and also institutional arrangements” How far has this Proved true where the success of the Indian constitution is concerned
7. Give examples to support the following conclusions:
  1. The constitution was made by credible leaders who commanded the People’s respect.
  2. The constitution has distributed power in such as to make it difficult to Subvert it.
  3. .The constitution is the focus on the hopes and aspiration of the people
8. How was the Indian constitution formally made and discuss the Composition of the constituent assembly?
9. Why does a country require a constitution to place limitations on rulers? Can there be a constitution that gives no power at all to its citizens.

#### **Suggested Topics for Project File**

1. Making of the Constitution.
2. Elections in India.
3. Working of the Indian Judiciary System.
4. Social Justice: Are ethics followed in Indian Politics
5. Human Rights Act and its gratification in India.
6. Political impact on Indian Legislation.

The marks will be allocated under the following heads:

SL.NO.	COMPONENTS	MARKS ALLOTTED
1.	INTRODUCTION/OVERVIEW	2
2.	VARIETY OF CONTENTS	3
3.	PRESENTATION	3
4.	CONCLUSION	1
5.	BIBLIOGRAPHY	1
6.	VIVA-VOCE	10
	<b>TOTAL</b>	<b>20</b>

## **HISTORY**

1. Read the earliest Mesopotamian epic - The Epic of Gilgamesh. Write a short summary of the book and the important teaching you learnt through drawings.

### **PROJECT WORK**

Every student has to compulsorily undertake **one** project on-

1. Making and unmaking of Mesopotamia
2. Paradigms of Greco-Roman civilisation
3. Aspirations of women in the Renaissance period
4. An in-depth study into the “now and then” paradigm of Christianity.
5. An exploratory study into the realism and the transmission of Humanistic ideas.
6. History of aborigines – America / Australia
7. Piecing together the past of Genghis Khan
8. An exploratory study into the making of America
9. Myriad Realms of Slavery in the ancient, medieval, and modern world

The marks will be allocated under the following heads:

<b>SL.NO.</b>	<b>COMPONENTS</b>	<b>MARKS ALLOTTED</b>
1.	INTRODUCTION/OVERVIEW	2
2.	VARIETY OF CONTENTS	3
3.	PRESENTATION	3
4.	CONCLUSION	1
5.	BIBLIOGRAPHY	1
6.	VIVA-VOCE	10
	<b>TOTAL</b>	<b>20</b>

### **ACADEMIC HOLIDAY HOMEWORK**

#### **WRITING AND CITY LIFE**

- Q1. What do you understand by the word 'Mesopotamia'? Name the important centres of this civilization.
- Q2. What new contributions were made by the Mesopotamian civilization to the world?
- Q3. Describe the sacred temple (ziggurat) of Mesopotamia.
- Q4. What was Hammurabi's code of law?
- Q5. Why the early temples were more like a house.
- Q6. What do you know about Mesopotamia seals?
- Q7. What do you know about the time division of Mesopotamia?
- Q8. Mesopotamians valued city life. Explain. Many communities & cultures lived side by side - explain.
- Q9. Explain what we know about the palace of Mari of King Zimrilim.



Q10. Explain the city state of Ur.

Q11. Explain the story on the development of Mesopotamian working.

### AN EMPIRE ACROSS THREE CONTINENTS

Q1. What is meant by 'Pax Romana'?

Q2. Explain the Roman Contribution to law and government.

Q3. Who were the Patrician and Plebeians?

Q4. What do you know about the Roman calendar?

Q5. Explain the main social classes of Ancient Roman Civilization.

Q6. Why do you think the Roman Government stopped coining in silver? Which metal did it begin to use for making coins.

Q7. Describe the main factors which were responsible for the decline of Roman civilization.

Q8. What was system of govt in ancient Greek & Roman called? How were they different from ancient China or ancient Iran?

Q9. Describe the social conditions in ancient Greek and Rome.

Q10. Describe the position of slaves in ancient Greek and Rome. in what kinds of work were they generally engaged.

Q11. Mention one of the striking features of Roman urban life.

Q12. Explain 5 differences between Roman and Greeks.

Q13. The emperor aristocracy and army were the 3 main players in the political history of the empire. Explain.

Q14. How for it is correct that modern features of Roman society was the widespread prevalence of the nuclear family.

Q15. Point out the contribution of Roman Civilization to the world civilization.

Q16. What features of Roman society and economy which makes it look quite modern?

Q17. How Roman bureaucracy did become corrupt? How did Govt. put a check on it?

Q18. What do you know about religion of ancient Roman?

Q19. How was the third century crisis different from the first & second century's peace?

Q20. What do you know about leading towns in a pastoral zone Mari which was known for its productivity in agriculture?

### **ECONOMICS**

#### **1. Project work**

**General instructions :**

**1) Learners will complete only one project in each academic session.**

**2) Project should be of 3500-4000 words ( include diagrams & graphs) preferably hand written.**

**3) It will be independent , self directed piece of study.**

**Topics give below:**

- **Effect on ppc due to various government policies**
- **Demand and consumer equilibrium**
- **Forms of market**
- **Cost and revenue effect**
- **Or any other topic.**

#### **2. Assignment ( micro economics )**

Q1. Explain properties of Production Possibility curve ?

Q2. Does massive unemployment shift the PPC to the left ?

Q3. What does the slope of PPC show ?

Q4. What does the opportunity cost mean ? Explain with a numerical example ?

Q5. Explain the central problem of the choices of products to be produced ?

Q6. What are the causes of shift in demand to right ?

- Q7. Law of demand holds good only under certain assumptions. What are these ?  
 Q8. Distinguish between movement along the same demand curve and shift in demand ?  
 Q9. Briefly explain the factors that influence price elasticity of demand for a good ?  
 Q10. Consider two commodities Tea and Coffee. What could be the effect on demand for Tea if price of coffee falls. Explain with reason and suitable diagram.

## **FINANCIAL MARKETS MANAGEMENT**

### **PROJECT WORK:-**

#### **SUGGESTED LIST OF PRACTICALS:-**

1. Markets and Financial instruments.
2. Primary and secondary market.
3. Financial statement Analysis
4. Mutual funds Products and Features.
5. ETFs, Debt and Liquid funds
6. Taxation and Regulations in Securities market

#### **Guidelines for Project Preparation:**

The final project work should encompass chapters on:

- a) Introduction,
- b) Identification of core and advance issues,
- c) Learning and understanding and
- d) Observation during the project period.

## **MATHEMATICS**

### **ACADEMIC HOLIDAY HOMEWORK**

1. Revise chapters 1,2 & 3 for periodic Test I.
2. Do the following activities in your Maths Activity file . (Activities will be sent in Math's group)
  - (i) To verify Distributive law for three given non empty sets A,B and C, that is
 
$$A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$$
  - (ii) To distinguish between a relation and a function.
  - (iii) To verify the relation between degree measure and the radian measure of an angle.
  - (iv) To plot the graph of  $\sin x$  ,  $\sin 2x$  ,  $2 \sin x$  and  $\sin x/2$  on the same coordinate axes.

## **OPEN DAY PROJECTS**

### **ENGLISH**

SDG 10: Addressing *inequalities* within our country

PROJECT THEME : AFFINITY (consider equal and show concern)

PROJECT ACTIVITY: **SURVEY** and **PPT**

Prepare a form and record any 5 entries of underprivileged/ special people/ children on the basis of their age, gender, disability, region, religion and their sources of income. (You can add more particulars in your form keeping SDG 10 in mind).

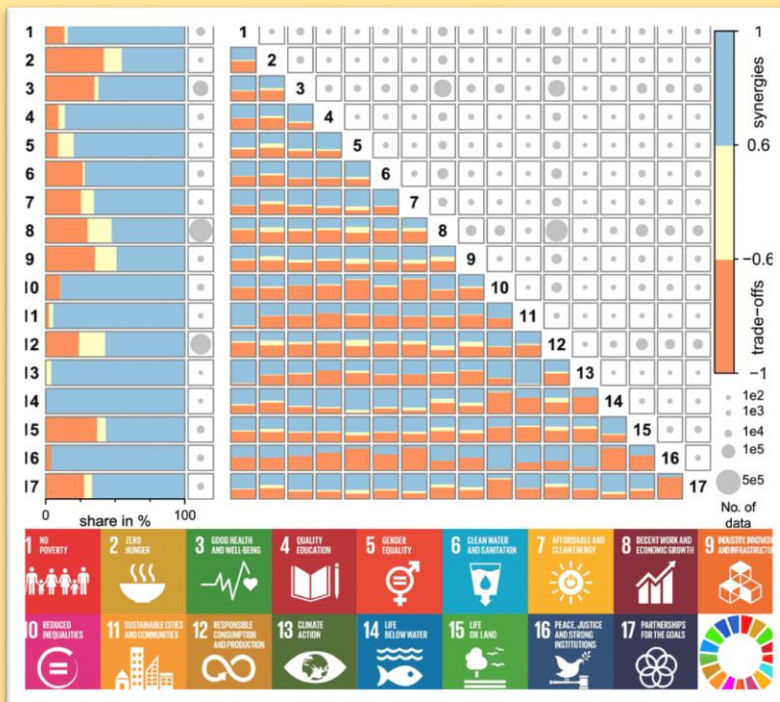
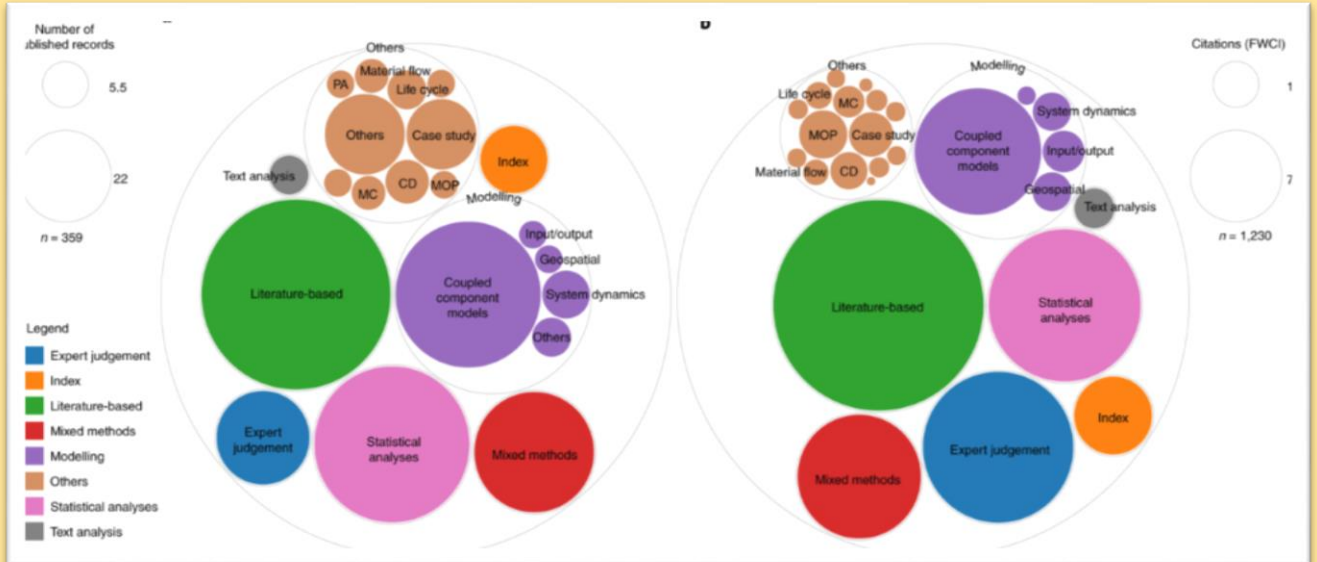
Do one noble deed for any of them staying in your neighbourhood/ city and get your picture clicked while doing this activity. Also, add a short note about your feelings in your PPT

➤ **ओपन डे प्रोजेक्ट एस.डी.जी 4 तथा एस.डी.जी 14 पर आधारित है।**

➤ समावेशी शिक्षा पर आधारित माडल एवं जूट बैग पर समावेशी शिक्षा पर स्लोगन लिखिए ।

**MATHEMATICS - OPEN DAY PROJECT:(BASED ON SDG-13&17)**

Model & Roller chart on data related to partnership for sustainable development. Make Statistical model to understand the impact of various partnership on achieving the SDGs, create graph to visualize trends, and use mathematical equations to predict future outcomes based on different partnership scenarios.(SDG goal 17).



**COMPUTER SCIENCE**

- Develop a mobile Application on SDG-2 Zero Hunger

**INFORMATICS PRACTICES**

Poster making on “SDG-2 Zero Hunger”

## **POLITICAL SCIENCE**

### **SUSTAINABLE GOAL -1 & 12**

- Make a working model on SKILL EDUCATION
- Make a **Roller Chart/Wall magazine** with pictures and drawings on the **IMPORTANCE OF SKILL EDUCATION.**

It should cover

1. Name of the goal
2. objectives of the goal
3. With pictures
4. Targets of the goal

## **HISTORY**

### **SUSTAINABLE GOAL -1 & 12**

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- Make a **Roller Chart/Wall magazine** with pictures and drawings on the **IMPORTANCE OF SKILL EDUCATION.**

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3. With pictures
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## **ECONOMICS**

**Prepare model based on topics given below:**

- a) Virtual stock exchange Platform
- b) Connection between various Sectors of an economy ( Digital economy )

## **SYLLABUS FOR PERIODIC TEST**

### **ENGLISH**

#### **Reading**

- Comprehension/Note Making

#### **Grammar**

- Tenses

#### **Writing Skills**

- Classified Advertisements/Poster making

#### **Literature**

- Portrait of a Lady
- A Photograph
- The Summer of the Beautiful White Horse

## **HINDI**

**आवधिक परीक्षा का पाठ्यक्रम-** नामक का दरोगा ,कबीरदास,मीराबाई  
अभिव्यक्ति और माध्यम ,डायरी लेखन , अपठित गद्यांश

## **MATHEMATICS**

Ch-1: Sets  
Ch-2: Relation and functions  
Ch-3: Trigonometric functions

## **PSYCHOLOGY**

Ch-1 ( what is psychology)  
Ch-2( Methods of Enquiry in psychology)

## **COMPUTER SCIENCE**

Ch-1 Computer System  
Ch-2 Number System & Encoding Scheme  
Ch-3 Boolean Logic  
Ch-4 Introduction to Problem Solving

## **INFORMATICS PRACTICES**

Ch-1 Computer System  
Ch-2 Getting started with Python

## **PAINTING**

Chapter 1- Introduction to Art  
Chapter 2- Pre Historic Rock Painting  
Chapter 3- Art of Indus Valley

## **PHYSICAL EDUCATION**

Chapter 1- changing trends and career in Physical Education  
Chapter 2- Olympism

## **BANKING**

Unit 1.Introduction to Banking and Basics functions of accounting

## **POLITICAL SCIENCE**

Theme 1-Writing and City Life  
Theme 2- An Empire across Three Continent

## **HISTORY**

Chapter 1 : writing and city life plus map work  
  
Chapter 2 : an empire across three continents plus map work

## **ECONOMICS**

### **Micro economics**

Unit 1- central problem of an economy  
Unit 2- consumer equilibrium  
Unit 3- Demand

### **Statistics**

Unit 1- Introduction

## **FMM**

Ch 1- Markets and financial instruments

Unit 2- Primary and secondary market

### **Employability skills**

Unit 1- communication skills

Unit 2- self management skills