

❖ **HOLIDAY HOME WORK**  
❖ **CLASS XII[2023-24]**

## **12<sup>th</sup> CLASS ECONOMICS PROJECT 2023-24**

### **TOPIC 1: BANKING**

- History of Banking
- Types of Banks
- Functions of Banks
  - Accepts Deposits
  - Advances Loans
  - Credit Creation and Its Limitations
- Structure of Banks in India
- Central Bank
  - Meaning
  - Functions
  - RBI (Office, Management)
  - How does Central Bank issue currency? (Minimum Reserve System)
- Qualitative and Quantitative Instruments of Credit Control
- Monetary Policy
- Conclusion

### **TOPIC 2: G20**

- Meaning and Overview of G20 (History)
- G20 Members List
- Its Headquarters and Various Offices
- Primary Reason for Establishing G20
- Purpose of G20
- How G20 works? Explain.
- Effect of G20 on world's economy
- Convention of G20 in Agra, India
  - Theme
  - Effects
- Conclusion

**NOTE:**

Add pictures from magazines and internet.  
Submit it in thread file covered with white sheet.  
Pages should be arranged in the following order –

- Acknowledgement
- Index
- Topic 1
- Topic 2
- Bibliography
- Remarks

# Accountancy Project

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## Book-2. Management Accounting

- I. **Project -1.** [Comprehensive]  
Page no. – P7-P27
  - Question starts with – Deepika and Mahima are old friends...
  - All the diagrams and bar graphs are to be made neat, clean and colourfully.
  
- II. **Project -5.** [Comparative]  
Page no. – P56-P64
  - Question starts with – You are required to make common size and comparative balance sheet...
  
  - Required– Acknowledgement  
Index  
Introduction, as usual
  - Format is also given on Page – P5-P6
  
  - **Cover Page** – Same as 11<sup>th</sup>, printed on white sheet with school monogram.
  - Use **Interleaf** pages only.
  - Project should be **spiraled**.

- Date of Submission – 7<sup>th</sup> August, 2023

## Class 12<sup>th</sup>-holiday homework

1- Mathematics project

2- Revision of the chapters that have been taught in the class.

### **CLASS XII PHYSICS HOLIDAY HOMEWORK (2023 -24 )**

**MAKE A PROJECT ON ANY ONE OF THE TOPICS GIVEN BELOW .**

**1) Capacitors and its applications .**

**2) D.C. circuits .**

**3) Alternating current .**

**4) Wave optics**

**5) Radioactivity**

**6) Semiconductors**

**Last date for submission of the project is 17.07.2023**

**Prepare the project as per the instructions given in the class .**

# ENGLISH PROJECT FOR CLASS XII

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All work should be done in proper file.

File should be properly covered , neatly decorated and covered with cellophane transparent sheet .

The work should be done in proper sequence given below :-

- Acknowledgement
- Index
- English Literature

Analyse the character of Miranda

OR

Discuss the different attitudes to war presented in the poem “John Brown.”

- English language

Write a review of a movie of your choice.

OR

Express your views on the topic –

“jobs should be delinked from degrees”

## **NOTE :-**

1. The word limit for each topic should not be less than 1000 words.

2. The matter should be well supported by the pictures available on internet.

Computer Science and Information Technology 2023-24

Class - 12th

Topic: Computer Architecture

Q.1) Explain the following terms with suitable diagrams (Any two, 400-450 words)

a) Bus Architecture  
 b) Hierarchical Bus Architecture

c) Star Bus Architecture  
 d) Ring Bus Architecture

Q.2) Explain the following terms with suitable diagrams (Any two, 400-450 words)

### **Computer Science**

### **Holiday Homework (2023-24)**

Try the following programs on your system. Copy down the same in your Computer Science Practical File and submit it in till **22-July-2023**.

### Question 15.

Write a program to declare a square matrix M [ ] [ ] of order 'N' where 'N' must be greater than 3 and less than 10. Accept the value of N as user input. Display an appropriate message for an invalid input. Allow the user to accept three different characters from the keyboard and fill the matrix according to the instruction given below:

- (i) Fill the four corners of the square matrix by character 1
- (ii) Fill the boundary elements of the matrix (except the four corners) by character 2
- (iii) Fill the non-boundary elements of the matrix by character 3
- (iv) Display the matrix formed by the above instructions

Test your program for the following data and some random data:

#### Example 1

**INPUT:** N = 4

Enter First Character: @  
Enter Second Character: ?  
Enter Third Character: #

**OUTPUT:** FORMED MATRIX

```
@   ?   ?   @  
?   #   #   ?  
?   #   #   ?  
@   ?   ?   @
```

#### Example 2

**INPUT:** N = 5

Enter First Character: A  
Enter Second Character: C  
Enter Third Character: X

**OUTPUT:** FORMED MATRIX

```
A   C   C   C   A  
C   X   X   X   C  
C   X   X   X   C  
C   X   X   X   C  
A   C   C   C   A
```

#### Example 3

**INPUT:** N = 12

**OUTPUT:** SIZE IS OUT OF RANGE

### Question 16.

An encoded text can be decoded by finding actual character for the given ASCII code in the encoded message. Write a program to input an encoded text having only sequence of ASCII values without any spaces. Any code or value which is not in the range 65-90 (A – Z) or 97-122 (a – z) or 32 (for space) will be ignored and should not appear in the output message.

Write a program to accept a CODE which contains only digits (0 to 9). Display an error message if the code contains any other character/s.

Perform the following tasks:

- (a) Decode the encoded text as per the above instructions
- (b) The first alphabet of each word must be changed to UPPER case and the remaining alphabets to lower case
- (c) Any consecutive sets of code 32 will be taken as only one blank space.
- (d) Display it in the form of a sentence

Test your program for the following data and some random data:

#### **Example 1**

**INPUT:** CODE: 10665771011153266797868

**OUTPUT:** James Bond

#### **Example 2**

**INPUT:** CODE: 667685693232837589

**OUTPUT:** Blue Sky

#### **Example 3**

**INPUT:** CODE: 22-768#5693232375889

**OUTPUT:** INVALID INPUT

#### **Question 17.**

Write a program to accept a sentence which may be terminated by either ‘. ‘ or ?’ or ‘!’ only. Any other character may be ignored. The words may be separated by more than one blank space and are in UPPER CASE.

Perform the following tasks:

- (a) Accept a sentence and remove all the extra blank space between two words to a single blank space.
- (b) Accept any word from the user along with its position and insert the word in the given position. (The position is calculated by place value of each word where first word is in position 1, second word in position 2 and so on).
- c) Display the modified sentence.

Test your program for the following data and some random data.:

### Example 1

**INPUT:** MORNING WALK IS A BLESSING FOR THE WHOLE DAY.  
WORD TO BE INSERTED: TOTAL  
WORD POSITION IN THE SENTENCE: 5  
**OUTPUT:** MORNING WALK IS A TOTAL BLESSING FOR THE WHOLE DAY.

### Example 2

**INPUT:** AS YOU SOW, SO YOU REAP!  
WORD TO BE INSERTED : SHALL  
WORD POSITION IN THE SENTENCE : 5  
**OUTPUT:** AS YOU SOW, SO SHALL YOU REAP!

### Example 3

**INPUT:** BETER LATE THAN NEVER#  
**OUTPUT:** INVALID SENTENCE

### Question 18.

Write a program to accept a paragraph containing two sentences only. The sentences may be terminated by either '.', '?' or '!' only. Any other character may be ignored. The words are to be separated by a single blank space and are in UPPER CASE.

Perform the following tasks:

- (a) Accept the paragraph and check for validity
- (b) Obtain the length/size of the two sentences separately (number of words)
- (c) Find the common words which occur in both the sentences

Test your program with the sample data and some random data:

### Example 1

**INPUT:** IS IT CLOUDY? IT MAY RAIN BECAUSE IT IS CLOUDY.  
**OUTPUT:** SENTENCE 1: 3 WORDS  
SENTENCE 2: 7 WORDS  
COMMON WORDS: IS IT CLOUDY

### Example 2

**INPUT:** TO BE OR NOT TO BE. TO LET GO AND BE HAPPY.



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**OUTPUT:** SENTENCE 1: 6 WORDS  
SENTENCE 2: 6 WORDS  
COMMON WORDS: TO BE

**Example 3**

**INPUT:** IF YOU DRIVE FAST, YOU MAY MEET WITH AN ACCIDENT.

**OUTPUT:** INVALID PARAGRAPH

**Example 4**

**INPUT:** HOW ARE YOU@

**OUTPUT:** INVALID INPUT

## **Commerce Project Class XII 2023-24**

### **TOPIC-I : Business Environment**

1. Acknowledgement
2. Index
3. Introduction to business environment
4. Dimensions of business environment(all five)
5. ●Technological environment  
Digital Banking or Artificial Intelligence (CHOOSE ANY ONE)
6. Functions and benefits
7. Merits and demerits
8. Conclusion (SWOT analysis)

### **TOPIC-2 : Consumer Protection**

1. Index
2. Introduction to consumer protection act 2019
3. Rights of consumers
4. Introduction to industry ( CHOOSE ANY ONE)
  - Textile
  - Automobile
  - Pharmaceuticals
  - Telecommunication
  - FMCG
5. Five case studies(of chosen company)

6. Rights violated in the cases
7. Redressal mechanism used
8. Conclusion(outcome of each case)
9. Bibliography

**INSTRUCTIONS:**

- a) White interleave pages to be used
- b) Pictures, graphs, etc. can be used
- c) Use black and blue ink only
- d) Page limit: 30-35 pages
- e) Date of Submission: 15th July,2023

# SUPW Project

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## Topics

1. IPL 2023
  2. Emerging Trend – Artificial Intelligence
  3. Netizens
  4. G20
  5. School / College v/s Coaching Centres
  6. Politics and Society
  7. 5G Technology
  8. Yoga and Mind Healing
  9. Green living and sustainability
  10. Cloud computing
- Page limit – 10-15
  - Pictures and graphs can be used
  - This project is to be continued in 11<sup>th</sup> Project File ( thread file )
  - Cover page – White page with school monogram
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- Date of Submission – 31<sup>st</sup> July, 2023

Complete and submit the projects given in the classroom.

