

# **South Point High School**

## **Holiday Homework**

### **Class XII**

#### **Commerce 2019**

#### **ENGLISH**

1. Write a description of a home stay facility where you had recently put up. Mention the place, tariff rates, special features, why it is a better option than a hotel or guest house and any other relevant point.
2. You are Nirvan/ Niyali, a reporter with The Daily Mirror. You were in Puri when the Cyclone Fani hit. Write a report for the newspaper mentioning the steps taken in advance to avoid disaster, the impact, the present condition of the residents, relief work and other relevant points.

#### **ECONOMICS**

Students of class XII have to complete one project of about 3500-4000 words during the academic session. Since the project is research based, the topics have been discussed and allotted to students. A total of 10 topics have been given. Students will do the basic research during the vacation. They will also form suitable questionnaire for conducting a survey as relevant to their topic. For some topics, they will collect secondary data from Newspapers, journals, magazines or the internet along with pictures.

A brief synopsis and outline of the project, along with their basic research materials will have to be submitted in a lace file latest by 17<sup>th</sup> June, 2019.

#### **ACCOUNTANCY**

Project work:

Topic: Comprehensive project

- A study of The Business Of .....
- From the information given in the project statement, the following are to be prepared:
  - a. Journal Entries
  - b. Ledger accounts
  - c. Trial balance
  - d. Trading and Profit and Loss Account
  - e. Balance Sheet
- Necessary ratios to be calculated to take a decision.

## **BUSINESS STUDIES**

Project to be done:

Topic: “Principles of Management” – Application of Fayol’s Principles of Management.

- a. Explain all the 14 principles of management as propounded by Fayol.
- b. Application of the principles of management in a joint stock company.

## **ENTREPRENEURSHIP**

Project to be done :

Topic : Market Survey

- a. Conduct a simple market research with the objective of estimating demand for an existing product and think of an innovation in the selected product
- b. Test the feasibility of the innovation via market analysis using an objective questionnaire.

## **MATHS**

- (i)ACTIVITY – 7 :(with some application)

To be done on graph paper . You may take the graph of  $y = 2^x$  and  $y = \log_2 x$

- (ii) ACTIVITY – 1 :( with some application)

- (iii) ACTIVITY -3 : (with some application)

Submit the above three activities in a LAB NOTE BOOK (well designed , well maintained ) immediately after summer vacation and get it signed by your respective subject teacher .

You should remember that the above task is mandatory and you must do it as a part of internal assessment carrying significant marks .

For your further clarification and guidelines you may follow the CBSE site(curriculum) where you get also the link for NCERT LAB MANUALS .

## **LEGAL STUDIES**

- Research work for the project

Find information about the background, facts, judgment, laws involved and precedents involved (if any) of the allotted case for the project.

Work has to be submitted in a practical lace file (in the format as explained in the class) after the vacation by 21<sup>st</sup> June.

- Form a hypothetical contract between two parties clearly indicating the offer, consideration, acceptance and consent of the contract.

Work to be submitted in your legal studies home work exercise book by 17<sup>th</sup> June.

## COMPUTER

Declare an integer matrix  $M[10][11]$ . In each row of the matrix store the series of numbers from 0 to R, where R is calculated as  $R = \text{random}(10)$  for each row of the matrix separately. For example, for row number 5, if  $R=4$ , then the elements of row-5 will be  $M[5][0] = 0$ ,  $M[5][1]= 1$ ,  $M[5][2]= 2$ ,  $M[5][3] = 3$ ,  $M[5][4] = 4$ ,  $M[5][5] = -1$ , respectively. Note that an extra value -1 is stored in  $M[5][5]$ , after the numbers from 0 to 4 are stored (this indicates the end point of the row, up to which values are stored). Add this extra -1 after the last element stored in each row.

Next, declare an array  $A[10]$  of 10 integer pointers. Read the data from each row of the matrix M and count the number of integer values stored in that row (including the -1). Allocate memory dynamically to store that many number of values and store the allocated memory address in the corresponding array element of array of pointers.

Next, copy the values from the matrix row to the dynamically allocated memory block (including the -1). For example, for the row-5 (of the example in the last paragraph), dynamically allocate memory to store 6 values (i.e. 0, 1, 2, 3, 4, -1), and store the dynamic address returned, in the pointer array element  $A[5]$ .

Repeat the above process for all the rows of the matrix.

Finally read the dynamically allocated memory blocks and find the overall maximum value stored there. Print this overall maximum value.

Also, calculate the total dynamic memory allocated for all the blocks and compare it with the overall byte requirement of the integer matrix (take integer size based on compiler used). Display the difference between these two memory requirements (calculate difference as, matrix – dynamic block).

**NOTE: Submit the program HANDWRITTEN in A4 size paper with a cover indicating your ID, Name, Class, Section and Roll. The code should be CLEARLY and NEATLY written, with proper comments and proper indentation. Staple the pages properly like a book. DO NOT SUBMIT IN A CHANNEL FILE.**