

**ST. COLUMBUS SCHOOL**  
**DAYALBAGH, FBD.**  
**HOLIDAY HOMEWORK FOR WINTER BREAK (2023-24)**  
**CLASS –XI (COMMERCE)**

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Holiday is the time that all students eagerly wait for. We all make plans to enjoy, relax and to empower ourselves during these days.

This winter vacation, the holiday homework is designed as a medium for you all to achieve the motto of “Fun and Learn”.

We have made this winter break homework only activity-based. We are looking forward to the children coming back with smiling and joyous faces . All of us at St. Columbus School wish happy and enjoyable holidays and Happy New Year to one and all.

Regards

Columbian Family



## SOME ADVICE FROM TEACHERS' SIDE

Dear Students

- ❖ Complete your holiday homework neatly, take the help of your parents if needed.
- ❖ Originality of work will be appreciated.
- ❖ To get aware of the surroundings, watch different informative channels in the presence of your parents.
- ❖ Do exercises regularly or indulge in indoor activities.
- ❖ Parents are requested to only guide their children while doing the homework.
- ❖ Visit and explore educational sites. Like –[www.funbrain.com](http://www.funbrain.com),  
<http://www.abcmouse.com>
- ❖ Eat only healthy food, drink fresh juices and lots of water to remain hydrated.



## SUBJECT – ENGLISH

\* Do the Homework in the notebook

- Revise the syllabus done in the class .
- Design a poster for the “No Tobacco Day” to create awareness among the masses .
- Prepare a speech on the topic “Regular Exercise is a Must”
- A retired army officer is looking for a suitable match for his smart, convent educated daughter. Write a matrimonial advertisement for publication in a newspaper

## SUBJECT – BUSINESS STUDIES

- Complete the project file.
- Do MCQ questions in Notebook of Chapter -1 to 11
- Revise : Ch 8 Sources of Business Finance  
Ch 9 Small Business  
Ch 10 Internal Trade

## SUBJECT – ACCOUNTANCY

- Prepare a mind map on A3 Sheet on the topic : Traditional Approach and Modern Approach
- Do these questions in the notebook :-
- Deprecation:- Q.no. 37 and 38
- Rectification of Errors:- Q.no. 42,43 and 44
- Capital & Revenue:-Q.no.9 and 10
- Financial statements with adjustments:Q29 and 30
- Revise all MCQ & Assertion Reason Questions of above chapters.

## SUBJECT –MATHS

MCQ based on Limits and Continuity, Probability

## SUBJECT –ECONOMICS

1. You have to prepare a project file on any one of these four topics.
  - (a). Make in India.
  - (b). Swachh Bharat Campaign.
  - (c).Ukraine -Russia war.
  - (d). Digital India.

2. Consider the ranks of two variables, X and Y, for a set of 6 observations:

observations	X.	Y
1	3	2
2	6	5
3	2	3
4	5	4
5	1	1
6	4	6

Calculate the rank correlation coefficient (Spearman's rank correlation coefficient) for the given data.

3. Suppose you have data on the monthly sales (in units) and advertising expenses (in dollars) for a sample of 8 companies. Calculate the correlation coefficient between monthly sales (X) and advertising expenses (Y) using the formula for Pearson's correlation coefficient.

Company	Sales (X)	Expenses (Y)
A	120	800
B	150	1000
C	100	600
D	180	1200
E	90	500
F	200	1500
G	130	900
H	160	1100

4. Calculate correlation of the following data using Karl Pearson's method:

Series A	112	114	108	124	145	150	119	125	147	150
Series B	200	190	214	187	170	170	210	190	180	181

5. Calculate coefficient of correlation of the following data with rank difference and Karl Pearson's methods:

Economics (Marks)	77	54	27	52	14	35	90	25	56	60
Hindi (Marks).	35	58	60	46	50	40	35	56	44	42

6. Calculate coefficient of correlation of the age of husband and wife using Karl Pearson's method.

Husband (Age)	23	27	28	29	30	31	33	35	36
Wife (Age)	18	20	22	27	29	27	29	28	29

7. If the median of a distribution given below is 28.5, then find the value of x and y.

CI	0 – 10	10 – 20.	20 – 30	30 – 40.	40 – 50.	50 – 60.	Total
Frequency	5	x	20	15	y	5	60

8. If the mean of the given frequency distribution is 35, then find the missing frequency y. Also, calculate the median and mode for the distribution.

Class	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60
Frequency	2	4	7	y	1

9. Revise all Chapters

## SUBJECT – INFORMATION TECHNOLOGY

**Q1 Consider the following relation ‘STUDENT’**

ROLL NO	NAME	AGE	DEPARTMENT	DATE_ADM	FEES	SEX
100	SANJANA	24	COMPUTER	10-JAN-97	1200	F
107	SHALINI	31	HISTORY	5-MAY-98	800	F
110	SANJAY	20	HINDI	6-AUG-99	600	M
115	MANI	19	HISTORY	10-JAN-99	900	M
120	POONAM	37	ENGLISH	10-OCT-99	500	F
125	SURYA	35	HINDI	11-DEC-97	800	M
130	SHIKHA	26	COMPUTER	31-JUL-97	1300	F
132	RAJA	29	COMPUTER	1-JAN-99	1500	M

Write the SQL queries and their respective outputs for the following:

Q1.To Create the above table (the following constraint applied on the above table Roll No as PRIMARY KEY and name as NOT NULL).

Q2.To insert the above records.

Q3.To display all the information of female students.

Q4.To display name of those students whose age is between 20 and 25.

Q5.To display name and department of all the students whose fees is greater than 1000

Q6.To display name and age of the student who either belong to Hindi, History or English department.

Q7.To display name of available department.

Q8.To count total no of student whose name starts with ‘s’.

Q9.To display department and total amount of fees collected by each department.

- Q10.To display the average fees of female computer students.
- Q11.To display Name, Age and Date of Admission of the students according to the alphabetic orders of their names.
- Q12.To count the total number of department where number of student is more than 2.
- Q13.To increase the fees by 10% for all the students .
- Q14. To delete the record of those students whose age is greater than and equal to 35 and Date \_Adm is less than 01-Jan-99.
- Q15. To delete the above table from memory permanently.
2. Write the queries given below based on the Table – Hotel

<u>COLUMN NAME</u>	<u>DATATYPE</u>	<u>SIZE</u>	<u>CONSTRAINT</u>
HNO	NUMBER	5	PRIMARY KEY
HNAME	VARCHAR2	30	NOT NULL
CITY	VARCHAR2	25	
RTYPE	VARCHAR2	10	
CHARGES	NUMBER	4	
NO_OF_ROOM	NUMBER	4	

1. Create the above table along with the given constraints.
2. To insert a row that contains the following data  
1001, 'Sabhayata', 'Delhi', 'AC', 3400, 30
3. To display all the information of AC hotels.
4. To display the names of the hotels whose charges are greater than 3000.
5. To display the names of the hotels who are in Bombay and are charging more than 4000.
6. To display all the information of the hotels whose hotel no. is greater than 1500 and no of rooms is less than 15.
7. To display all the information of the hotels who are either in Pune or Indore.
8. To display the no and name of the NON AC hotels who charge less than 1000.
9. To increase the room charges of the Chennai hotels by 5%.
- 10.To delete all the hotels whose rooms are less than 10.
- 11.To display all the AC hotel of Calcutta.
- 12.To display all the information of hotels who are charging between 5000 to 6000.

13. To change the hotel name to “Hill View” whose hotel no. is 1278.
14. To delete all those hotels who are either in Bangalore or Hyderabad.
15. To delete the above table.

### **SUBJECT – PHYSICAL EDUCATION**

Complete your practical file and revise the whole syllabus for Annual Exams.  
Complete Notebook work (Chapter 1 to 10)

**\* Revise syllabus for Unit Test-III**

