



GURU NANAK PUBLIC SCHOOL, SARABHA NAGAR

Class XI

Commerce

Worksheets

# Summer Break Assignments



## ENGLISH

Q1. Read the lesson 'The Summer of the beautiful White Horse' from the book Snapshots. Suggest a different ending to the story. Write it in about 100-120 words.

Q2. Your family is planning to go to Andhra Pradesh during the summer vacation. Write a letter of enquiry to 'Sun Travels' inquiring about the same by giving necessary details. (In about 100-120 words)

Q3 Cut two newspaper reports/articles from an English Newspaper on any topic (Sports/Social issues/Pandemic) and paste them. Frame at least five questions from each clipping and write their answers.

Q4 If you were Sue from the lesson 'We are not afraid to die', what would you have done in helping your parents during the time of troubles and struggles? Write your views in about 100-120 words.

### **Important Note:**

1. Complete each topic on A4 size sheet.
2. Compile them as English project in a folder or file. (Do not use plastic files) .
3. You can use pens of different colours to make the project presentable.
4. Credit will be awarded for creativity.

## PHYSICAL EDUCATION

1. Labelled diagram of 400M Track & Field with computations.
2. Computation of BMI from family and neighborhood & graphical representation of the data.

**Note –Do all the homework in physical education practical notebook**

# MUSIC

1. For boys- Dharmendra, Dev Anand, Shammi Kapoor, Rajesh Khanna. Maintain your music notebook.
2. Practice Teen Tala.
3. Prepare Raag Bhairav.
4. Write a life sketch on a famous singer of Andhra Pradesh- S.P. Balasubrahmanyam.
5. Prepare two retro songs which have been picturized on any one of the following artists.  
For girls- Asha Pareekh, Saira Banno , Helen , Sharmila Tagore

# PSYCHOLOGY

## General Instructions

### The Project must have the following.

- Title
- Highlight of key research findings
- Application of principles of psychology
- Analyse the connect of Human Emotions, Behaviour, and Psychology
- Font style and size should be easy on the eyes,
- Spread out the text slides creatively.
- Use enlivening pictures.

### Theme: "Building a fairer, healthier world"

### Sub-Topic: "Understanding Emotions and its impact on Behaviour"

### Material Required:

- Ms Power Point and presentation skills
- Research skills and Analysis

### Task

- Identify the basic human emotions.
- Create 10 questions on it. ( subjective and objective both or any )
- Conduct your survey on 5 people and find out results.
- Presented in the form of **PPT slides/ Posters/ Video.**
- Prepare the PPT/ Poster aesthetically laying out the text and the pictures. **Be creative.**
- The Power Point Presentation must be submitted on time. (10slides)

### Steps:

Topic 1 - Happiness/ Joy

Topic 2 - Anger/ Annoyance

Topic 3 - Sadness/ Grief

Topic 4 - Love/ Affection

Topic 5 – Fear/ Terror

Topic 6 – Boredom/ Disconnected

**Question Hints** – What, When, Why, Where, Whose, Who, Whom, Which, How, Frequency, Duration

- Class XI H - Topic 1
- Class XI F – Topic 2
- Class XI A + B – Topic 3

- Class XI C + D – Topic 4
- Class XI E – Topic 5
- Class XI M- Topic 6



## FASHION STUDIES

1. To design a product with self generated print inspired from nature .  
eg: skirt, mask, mobile cover , hand bag, file cover , kurti , etc.
2. Design a dupatta with tie and dye technique.( videos according to the topic will be share in class group)



## BUSINESS STUDIES

Project topic:

Assume you are starting a partnership firm with your friend/friends.

Develop a business plan covering the following aspects:

- Features/ characteristics of partnership firm
- Partnership deed
- Choice of types of partners involved and type of partnership
- Also the merits and demerits of starting this type of business organisation.

Note: Project must contain 10-15 sheets. Staple the sheets and put it in a clear bag. Write the project topic, name, class, section, roll number and admission number on the first sheet of the project. Paste pictures related to partnership.

Complete the project by 15 July 2021.

# ENTREPRENEURSHIP

Project work:

- 1.) Describe the process of entrepreneurship? Giving reference to process and SWOT Analysis, Enlist 10 Examples how people had taken this pandemic period of Covid 19 as an opportunity and they have started their new enterprise or had excel in their existing enterprise.  
(You can give reference to safety products, consumable products, medicines available in market, work from home etc.)
- 2.) Explain in detail problems faced by women entrepreneurs. Enlist top 10 women entrepreneurs in India who had overcome these problems and had excel in their areas

## **Instructions regarding project-**

- Use A4 size sheets(one side ruled and one side plain)
- Paste pictures on plain side of your sheet related to your topic
- Complete your project work using at least 20 pages
- Mention your name, class, section and roll number on first page.
- Handwriting should be neat and clean.
- It is compulsory to submit project work for assessment.

# MATHEMATICS (CODE 041)

**\*\* Marks of Holidays Home work will be added in Half Yearly Exam and will be carried forward for final CBSE internal assessment.**

**Perform the following activities on Maths Practical Notebook :**

1. To draw the graphs of following trigonometric functions on different graph papers in the interval  $[-2\pi, 2\pi]$   
 $\sin x, \cos x, \tan x$
2. To represent graphically the solution to the following linear Inequalities:  
 $x + y \geq 1, 2x + 3y \leq 12, x \leq 5, y \leq 4, x, y \geq 0$

**NOTE : As per CBSE guidelines, every student who has opted for Maths has to maintain Maths Practical Notebook.**

**IMPORTANT INSTRUCTIONS :**

**Perform the activities in the following sequence:**

1. Activity number
2. Objective
3. Pre Requisite Knowledge
4. Material required
5. Procedure
6. Observation/Results

## APPLIED MATHEMATICS (CODE 241)

**PROJECT :** Each day newspaper tells us about the maximum temperature, minimum temperature, and humidity. Collect the data for a period of 30 days and represent it graphically (bar graph, double bar graph for temperature and line graph for humidity). Compare it with the data available for the same time period for the previous year

The project report entails the following requirements.

- 1) The total length of project should not be more than 15 written pages. (A4 size sheets)
- 2) The project report should be handwritten by students themselves.
- 3) The project report should be presented in a neatly bound simple folder.
- 4) The project will be presented in this format.

Cover page

Submitted to and Submitted by ( Name ,Class,Section, Roll No., Admission No.)

Contents

Introduction

Content presentation

Conclusion/Summary

Bibliography

Teacher's evaluation report

**NOTE:**

The project report must be completed by 10<sup>th</sup> July , 2021

Marks will be carried forward for the final internal assessment

## ECONOMICS

### **Instructions:—**

It is compulsory for all to submit the work given below for assessment.

Total number of questions = 30

Topics : Mean - 7 ques

Median - 8 ques

Mode - 8 ques

Graphs - 7 ques

Use A4 size light colour assignment sheets.

Paste graph paper on the sheet to do graphical questions.

Attempt all questions in given sequence.

Do all numericals very neatly .

Mention your name, class, section and admission number on the very first sheet.

Staple all the sheets properly and put in a clear bag file for submission.



## Question No.1 to 7 - ARITHMETIC MEAN

**Question 1:** Calculate arithmetic mean from the following data. (1 mark)

Mid-value	5	10	15	20	25	30	35	40
No. of students	5	7	9	10	8	6	3	2

**Question 2:** Using step deviation method, find out the arithmetic mean of the following data: (4 marks)

Marks	Less than 10	Less than 20	Less than 30	Less than 40	Less than 50	Less than 60
Frequency	5	12	25	36	45	50

**Question 3:** Following information pertains to the daily income of 150 family. Calculate the arithmetic mean: (4 marks)

Income (₹)	No. of students
More than 75	150
More than 85	140
More than 95	115
More than 105	95
More than 125	70
More than 135	60
More than 145	40

**Question 4:** Calculate the arithmetic mean of the following data using step deviation method: (3 marks)

Size	20-29	30-39	40-49	50-59	60-69
Frequency	10	8	6	4	2

**Question 5:** Find out the missing item P of the following distribution where arithmetic mean is 11.37: (4 marks)

X	5	7	P	11	13	16	20	40
f	2	4	29	54	11	8	4	2

**Question 6:** If the arithmetic mean of the data given below is 28 find out the missing frequency: (4 marks)

X	0-10	10-20	20-30	30-40	40-50	50-60
f	12	18	27	?	17	6

**Question 7:** The following distribution of weight (in lbs) of 60 students of a class. Find the missing frequencies X and Y if the arithmetic mean is 111. (6 marks)

Weight	No. of students
93-97	2
98-102	5
103-107	X
108-112	Y
113-117	14
118-122	6
123-127	3
128-132	1
<b>Total</b>	<b>60</b>

## Question No.1 to 8 - MEDIAN

**Question 1:** Find out the median of the data given below by arranging them in ascending order: (3 marks)

<b>Values</b>	160	150	152	161	156
<b>Frequencies</b>	5	8	6	3	7

**Question 2:** Calculate the median of the following distribution of data: (3 marks)

<b>Class-Interval</b>	0-10	10-20	20-30	30-40	40-50
<b>Frequency</b>	5	15	30	8	2

**Question 3:** Calculate median of the following data: (4 marks)

<b>Marks</b>	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50
<b>No. of students</b>	7	10	13	26	35	22	11	5

**Question 4:** Calculate the median of the following distribution: (4 marks)

<b>Class Intervals</b>	350-369	370-389	390-409	410-429	430-449	450-469	470-489
<b>Frequencies</b>	23	38	58	82	65	31	11

**Question 5:** Compute the median for the following data: (4 marks)

<b>Values</b>	Less than 10	Less than 20	Less than 30	Less than 40	Less than 50
<b>Frequencies</b>	11	18	34	16	3

**Question 6:** Calculate median from the following data: (4 marks)

<b>Marks</b>	More than 0	More than 10	More than 20	More than 30	More than 40	More than 50
<b>No. of students</b>	50	42	38	28	16	3

**Question 7:** Find the missing frequency, if it is given that the value of the median marks is 23. (4 marks)

<b>Marks</b>	0-10	10-20	20-30	30-40	40-50
<b>No. of students</b>	5	8	?	6	3

**Question 8:** An incomplete distribution is given: (6 marks)

<b>Marks</b>	10-20	20-30	30-40	40-50	50-60	60-70	70-80	Total
<b>No. of students</b>	24	60	?	130	?	50	36	458

You are given that the median value is 47. Using the median formula, find the missing frequencies.

ANSWERS							
1. 156	2. 40	3. 32.57	4. 418.04				
5. 27.5	6. 32.5	7. 10	8. 54 and 104				



## Question No.1 to 8 - MODE

**Question 1:** The following frequency distribution gives the monthly consumption of electricity of 68 consumers of a locality. Find the mode of the data and interpret the result. (4 marks)

Monthly consumption (in units)	Number of consumers
65 - 85	4
85 - 105	5
105 - 125	13
125 - 145	20
145 - 165	14
165 - 185	8
185 - 205	4

**Question 2:** Calculate mode of the following data: (4 marks)

Class Intervals	10-19	20-29	30-39	40-49	50-59	60-69	70-79
Frequencies	10	12	18	30	16	6	8

**Question 3:** Compute mode of the following series: (4 marks)

Mid-values	5	10	15	20	25	30	35	40	45
Frequency	7	13	19	24	32	28	17	8	6

**Question 4:** Calculate mode from the following data: (4 marks)

Class-Interval	0-10	10-15	15-20	20-30	30-40	40-50
Frequency	2	3	2	12	4	7

**Question 5:** Locate mode graphically from the given information and verify the result using formula: (6 marks)

Expenditure	0-10	10-20	20-30	30-40	40-50
No. of families	14	23	27	21	15

**Question 6:** Determine the value of mode graphically. Also verify the result using formula: (6 marks)

Marks	0-10	10-20	20-30	30-40	40-50	50-60	60-70
No. of students	4	8	14	20	20	15	6

**Question 7:** Calculate the missing frequencies if the value of mode is 25. (4 marks)

Class-Interval	0-10	10-20	20-30	30-40	40-50	Total
Frequency	2	X	7	5	Y	21

**Question 8:** Calculate the mode of the following data using grouping method: (4 marks)

Value	5	10	15	20	25	30	35
Frequency	1	2	10	4	10	9	2

### ANSWERS

- |                 |          |            |          |
|-----------------|----------|------------|----------|
| 1. 135.76 units | 2. 44.11 | 3. 25.83   | 4. 24.67 |
| 5. 24           | 6. 40.1  | 7. 5 and 2 | 8. 25    |



## GRAPH BASED QUESTIONS – DRAW ON GRAPH PAPER

**Question 1:** With the given data below, draw a histogram and a frequency polygon: (4 marks)

Marks (mid-value)	5	15	25	35	45
No. of Students	8	18	15	22	14

**Question 2:** Draw a histogram and frequency polygon from the following data: (4 marks)

Marks	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50
No of students	3	7	13	25	40	14	10	7	4	2

**Question 3:** Draw 'less than' and 'more than' ogives from the following data and obtain the value of median graphically: (6 marks)

Weight (in Kg)	30-34	35-39	40-44	45-49	50-54	55-59	60-64
No. of students	3	5	12	18	14	6	2

**Question 4:** Present the data given below in a histogram: (4 marks)

Mid-value	5	10	15	20	25	30
Frequency	3	5	8	10	6	4

**Question 5:** Draw a frequency polygon for the data given below: (4 marks)

Daily pocket money (in ₹)	25-30	30-35	35-40	40-45
No. of students	9	13	9	5

**Question 6:** Represent the following data by means of a frequency polygon: (4 marks)

Wages (in ₹)	325-350	350-375	375-400	400-425	425-450
No of workers	20	45	60	35	10

**Question 7:** Draw a frequency polygon without histogram from the following table: (4 marks)

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of students	5	12	15	22	14	4



## ACCOUNTS

Q 1. Write down and learn all the basic accounting terms.

Q 2. Mr. Tushar decided to start a computer business. For this purpose, he built the first floor of his house at a cost of Rs. 4,00,000; invested a further sum of Rs. 6,50,000 and used furniture worth Rs. 1,00,000 in this business. He wanted to start with 15 computers costing Rs. 60,000 each. He approached bank for sanction of a loan to the extent of 75% of the cost of the computers. The bank agreed to pay loan @ 12% interest per annum. He started business on 1st April, 2019. On the same date he deposited Rs. 3,30,000 in the bank. He purchased computers and paid 40% of the amount immediately availing cash discount of 3%. He also spent Rs. 6000 in getting the pamphlets printed and distributed. He sold 6 computers at a profit of 25% on cost after 2 months of starting business. At the end of the year, the results were

Wages paid to helpers      Rs.12,000

Electricity charges          Rs.48,000

Entertainment expenses    Rs. 7000

He withdrew Rs.5000 by cheque each month for his personal expenses and duly paid interest on loan.

Telephone bill of Rs. 6800 is yet to be paid.

Depreciate building by 5%, furniture by 20% .

Ravi , who owed Rs. 20,000 to Tushar became insolvent and could pay only 30 paise in a rupee.

Journalise the above transactions keeping in mind that all the payments were to be made by cheques and all the receipts were to be deposited into the bank.

Q 3. Revise all the topics covered in the class thoroughly.

## WEB APPLICATION

Create a website on any topic of your choice in HTML.

The website must include:

- 4-5 Web pages.
- Images, tables, nested list.
- There must be Internal and External Linking.
- Use all formatting tags.
- Website must be self-explanatory and informative.
- Home page should have link to other pages.

## DANCE

1. Maintain your dance note book properly.
2. Practice of taals & tatkar properly.
3. Make a project on Andhra Pradesh's folk dances & Classical dances.  
Paste some Pictures of the dances & write few lines of the dances.
4. The school will organize a Dance competition in August 2021.  
The theme of the Competition is "Bollywood in 90's".  
Prepare a dance on any Bollywood 90's song for 1.30 Minutes.

## PAINTING AND COMMERCIAL ART

1. Make free hand design Doodling ....on A2 size ivory sheet. (Use CD markers for the outline.....)



2. Make five sheets which are mentioned in your syllabus for the portfolio.



## INFORMATIC PRACTICES

**Q1. SOLVE THE BELOW GIVEN PROGRAMS PRACTICALLY AND MAKE A PDF FILE OF THE SOURCE CODE OF THE PROGRAMS.**

**a) Create a table name :CUSTOMER**

Column Name	Cust_Id	Cust_Name	Cust_address 1	Cust_address 2	pincode	Cust_phone
Data Type	Number	Varchar	Varchar	Varchar	number	Varchar
Length	7	30	20	30	6	10
Constraints	Primary key	Not null			Default 462030	

- i. Create table Customer as per above table instance chart.
- ii. Add one column email of data type Varchar and size 30 to the table customer.
- iii. Modify column email length by 40.
- iv. Insert two record with relevant information in the table.
- v. Drop the column email from table customer.
- vi. Remove the table Customer permanently.
- vii. Increase salary of employee's records by 10% (Assume table Employee and Column Salary)

**b) Consider the table SPORTS given below. Write commands in MySQL for (i) to (vii) and output for (viii) & (ix).**

**SPORTS**

SrNo	SName	Class	Game	Grade	Fees
1	Rahul	12	Cricket	A	53000
2	Sugandha	10	Football	B	88000
3	Saumil	11	Cricket	NULL	44000
4	Pradip	10	Football	B	23000
5	Amit	11	Carrom	A	75000
6	Vivek	12	Tennis	C	11000

- i. To display the SName and Fees as annual Fees
- ii. To display different game
- iii. To display first 4 characters of SName.
- iv. To insert a dummy record
- v. To increase fees of Rs. 500 for the game Tennis
- vi. To display the SNAME, GAME and FEES of all players whose fees is greater than 45000 and less than 70000 (both values inclusive).
- vii. Display the sum, Minimum and Average of Fees.
- viii. Select SName as 'Student name', fees \*12 as 'annual fee' from Sports.
- ix. Select SName, Class, GAME from SPORTS where SName not like 'P%'.