St. Joseph's Academy
Holiday Homework
Class XII (2025-26)
Commerce Stream

English

1. Read the lesson **Indigo** and prepare a **PPT** on the events related to it.
2. Prepare the **English project** for Board assessment. Topics will be shared in class group.
3. Prepare well for **speaking skill** test. Topics were shared in class group.
4. Read all the lessons done in class and **complete** the **assignments** related to them in English Notebook.
5. Read **newspaper** everyday. Develop **reading** and **writing** habit.

Accountancy

1) A , B and C are partners with fixed capitals of 1,00,000 , 200,000 and 3,00,000 respectively. Their partnership deed provides that :
   (a) A is to be allowed a monthly salary of 600 and B is to be allowed a monthly salary of 400.
   (b) C will be allowed a commission of 5% of the net profit after allowing salaries of A and B.
   (c) Interest is to be allowed on capitals @ 6%.
   (d) Interest will be charged on partners annual drawings at 4%.
   (e) The annual drawings were :B 10,000 and C 15,000.
   The net profit for the year ending 31st march, 2014 amounted to 1,72,000.

   Prepare Profit and loss appropriation Account.

2) David and John were partners in a firm sharing profits in the ratio of 4 : 1. Their capitals on 1.4.2006 were : David Rs.2,50,000 and John Rs.50,000. The partnership deed provided that David will get a commission of 10% on the net profit after allowing a salary of Rs.2,500 per month to John. The profit of the firm for the year ended 31.3.2007 was Rs.1,40,000.

   Prepare Profit and Loss Appropriation Account for the year ended 31.3.2007

3) A,B and C were partners in a firm having capitals of Rs.60,000, Rs.60,000 and Rs.80,000 respectively. Their current account balances were :A Rs.10,000; B Rs.5,000 and C Rs.2,000 (Dr.). According to the partnership deed the partners were entitled to interest on capital @5% p.a. C being the working partner was also entitled to a salary of Rs.6,000 p.a. The profits were to be divided as follows:
   (a)The first Rs.20,000 in proportion to their capitals
   (b) Next Rs.30,000 in the ratio of 5 :3:2
   (c) Remaining profits to be shared equally
   The firm made a profit of Rs.1,56,000 before charging any of the above items.
   Prepare the profit and loss appropriation account and pass the necessary Journal entry for the appropriation of profits.

4) X and Y are partners in a firm sharing profits equally. Their capitals on 31st March2014 were Rs.2,40,000 and Rs.1,80,000 respectively. Drawings of the partners to the date were Rs.40,000 and Rs.60,000 respectively. Profit for the year was Rs.1,60,000.
Calculate interest on capital @ 8 % p.a. for the year ended 31st March 2014.

5) Calculate interest on drawings of Mr.Vinod @ 8% p.a. for the year ended 31st March,2014 in each of the following cases:
Case 1: If he withdrew Rs.2,000 at the beginning of each year.
Case 2: If he withdrew Rs.2,000 during the middle of each month. Case 3: If he withdrew Rs.2,000 at the end of each month.

6) Calculate interest on A' drawing :
(1)If he has withdrawn 60,000 on 1stoct. 2006 and the rate of interest on drawing is 8% per annum.
(2) If he has withdrawn 60,000 on 1stoct. 2006 and the rate of interest on drawing is 8% . Books are closed on 31st march 2007.

7) A,B and C are partners in a firm sharing profits and losses in the ratio of 2:3:5.Their fixed capitals were 15,00,000, Rs.30,00,000 and Rs.6,00,000 respectively. For the year 2009 interest on capital was credited to them @ 12%instead of 10%. Pass the necessary adjustment entry.

8) 8. A,B and C are partners in a firm. On 1-4-2010 there capital stood at 50,000 25,000 25,000 respectively. As per provisions of the partnership deed :

(a) C was in entitled for a salary of 1,000p.m.

(b) Partners were entitled to interest on capital at 5%p.a.

(c) Profits were to be shared in the ratio of capital.

The net profit for the year ended 2011 of 33,000 was

divided equally without providing for the above terms.

9) A,B and C are partners sharing profits in the ratio 4:3:1.The partners agreed to share future profits in the ratio of 5:4:3. Calculate each partners gain or sacrifice due to change in ratio.

10) A business has earned average profits of 1,00,000 during last few years and the normal rate of return in similar business is 10%. Find out the value of goodwill by

(1) Capitalization of super profit method and

(2) Super profit method if the goodwill is valued at 3 years purchase of super profit.

The assets of business where 10,00,000 and its liabilities 1,80,000.

11) Calculate the value of goodwill on the basis of three years purchase of last five years average profits:

2005-50,000,2006-60000,2007-30,000(loss),2008-40,000,2009-30,000

Economics

Make a project file on one topic as discussed in class following given instructions:

A) Ring file must be used.
B) For writing section , use either designer or self – created design sheets.
C) Paste relevant pictures wherever necessary
D) Avoid glitter pens, sheets.
E) Include Research work like charts, case study, pie diagram, newspaper cutting, articles relevant to the topic.
F) Minimum pages should be at least 30, maximum has no limit.
G) Last date for submission : First day after school reopens.

Project work topics: (choose any one)

- Money& banking
- Government budget
- Measurement of National Income
- Self- Help group
- Demonetisation
- GST
- Organic farming
- Indian Economy on the eve of Independence
- Make in India
- Exchange Rate system
- Rural Development
- An assessment of Globalisation & economics development in India.

MATHEMATICS

Do the following activities in Maths Practical file.

Activity 1: To verify that the relation R in the set L of all lines in a plane, defined by R = {(l, m): l ⊥ m} is symmetric but neither reflexive nor transitive.

Activity 2: To verify that the relation R in the set L of all lines in a plane, defined by R = {(l, m): l || m} is an equivalence relation.

Activity 3: To demonstrate a function which is not one-one but is onto.

Activity 4: To sketch the graphs of ax and logax, a > 0, a ≠ 1 and to examine that they are mirror images of each other.

Activity 5: To find analytically the limit of a function f (x) at x = c and also to check the continuity of the function at that point.

Activity 6: To understand the concepts of local maxima, local minima and point of inflection.

Activity 7: To understand the concept of absolute maximum and minimum values of a function in a given closed interval through its graph.

Activity 8: To verify that amongst all the rectangles of the same perimeter, the square has the maximum area.

Activity 9: To locate the points to given coordinates in space, measure the distance between two points in space and then to verify the distance using distance formula.

Activity 10: To explain the computation of conditional probability of a given event A, when event B has already occurred, through an example of throwing a pair of dice.

DO REFER THE PDF SENT IN CLASS GROUP TO COMPLETE ALL ACTIVITIES MENTIONED ABOVE

Business Studies

The students must work on any one the following topics as instructed in the class
Project 1: Elements of Business Environment
The students must choose one of the topics given below

1. The alterations that the system of packaging has undergone in recent years. How has this impacted the economy?
2. Why did Coca Cola and Fanta change to Thums up and Campa Cola in the 70s and then Pepsi and Coke in the 80s?

Project 2: Principles of Business Management
The students must visit any of the below mentioned places to complete the project:

1. Industrial Unit
2. Departmental Store

3. Fast Food Outlet
4. Any place suggested by the teacher

Analyse any one of the above and find its application on either Fayol's Principles or Taylor's Principle

Project 3: Stock Exchange

This project must contain the following components:

1. Graphical representation for the share prices for different companies or organisations on varying dates.
2. How factors like festivals, seasons, and human and natural disasters affect a share's market value?
3. How does the market value of a share undergo change with change in the policies and the political environment?
4. Identify the top 10 out of 25 companies based on the market value of shares, irrespective of profit and loss.

Project 4: Marketing

The students can create take any product or service and create a report keeping in mind the following points:

1. The product or service type and the process involved.
2. Brand name.
3. Product range.
4. Logo or identification mark.
5. Tagline.
6. Packaging and labelling.
7. Product price and the factors that are considered while fixing the price.
8. Channels of distribution and reason for selection of the same.
9. Warehousing and transportation of the product.
10. Promotional techniques applied.
11. Grading of the product and standardisation.

Physical Education

PRACTICAL FILE / PROJECT WORK

Instructions:

- - All work is to be done in the Physical Education Practical File only.
- - Paste relevant pictures wherever necessary.
- - Ensure the explanation is clear, neat, and topic-based.
- - The completed practical file must be submitted on the first day after the school reopens.

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PRACTICAL WORK TOPICS:

1. Practical – 1:

Fitness tests administration. (SAI Khelo India Test)

2. Practical – 2:

Procedure for Asanas, Benefits and contraindications for any two asanas for each lifestyle disease.

3. Practical – 3:

Anyone one IOA recognised Sports/Game of choice. Labelled diagram of field and equipment. Also mention its rules, terminologies and skills.

- - Labelled diagram of field & equipment
- - Basic rules of the game
- - Common terminologies used
- - Fundamental skills required to play
-

Informatics Practices

Instructions –

*Do all the questions in the subject notebook .

*Complete your Note book work and submit your registers with this work on the assigned day after reopening.

*Make a presentation (ppt) on the topic allotted to your group .

*submission date for the register/notebook will be on 4-7-25(Friday)

Q.1 Consider the following Python code and write the output for statement.

```
import pandas as pd

values=["India", "Canada"]
```

code=["IND", "CAN"]

df=pd.DataFrame(values,index=code,columns=["Country"])

print(df)

Q2. The teacher needs to know the marks scored by the student with roll number 4. Help her to

identify the correct set of statement/s from the given options :

a. df1=df[df['rollno']==4]

print(df1)

Q3. Given the Output of the code

>>>import pandas as pd

>>>a= pd.DataFrame([1,1,1,None],index=['a', 'b', 'c' , 'd'], column = ['One'])

>>>print(a)

Q4. Write the output of the following code

import pandas as pd

data = [['Alex',10], ['Bob',12], ['Clarke',13]]

df = pd.DataFrame(data,columns = ['Name' , 'Age'])

print(df)

Q5. Write a Python code to create a dataframe with appropriate headings from the list given

below :

['S101', 'Amy' ,70]

['S102', 'Bandhi' ,69]

['S103', 'Cathy' ,75]

['S104', 'Gundoho' ,82]

Q6. Consider the following Series object, "company" and its profit in Crores

TCS	350
RELIANCE	200
L&T	800
WIPRO	150

(i) Write the command which will display the name of the company having

profit>250.

(ii) Write the command to name the series as Profit.

Q7.Draw the mind maps of series, dataframe and CSV files separately including all the topics as per your curriculum.

Q8. Give the output of the following code: import numpy as np import pandas as pd dict={'Name':pd.Series(['Anu','Abhishek','Rajeev','Ritu']),'Age':pd.Series([26,25,24,31]), 'Score':pd.Series([87,67,89,55])}

df=pd.DataFrame(dict)

print("Dataframe contents are")

print(df)

print(df.count())

Q9. Suppose a data frame contains information about student having columns rollno, name, class and section.

Write the code for the following:

i. Add one more column as fee

ii. Write syntax to transpose data frame.

iii. Write python code to delete column fee of data frame.

iv. Write the code to append df2 with df1

v. Display data of 1st to 3rd rows

Q10. Given the Output of the code

>>>import pandas as pd

>>>a= pd.DataFrame([1,1,1,None],index=[‘a’, ‘b’, ‘c’ , ‘d’], column = [‘One’])

>>>print(a)