



ACCOUNTANCY

Analyse the Financial statements given to you and; Make the Comparative

- Balance Sheet of a Company as per schedule III Companies Act 2013 and
- Statement of profit and loss as per schedule III Companies Act 2013

The project file should have the cover page including school's logo, title [Analysis of Financial Statements of ___ Company], your name, roll no., class, session and Signature of Principal, External Examiner and Subject Teacher.

Acknowledgement, Certificate and table of contents will follow

Thereafter write a brief description of the Company followed by Comparative Financial Statements.

Example:

Comparative Statement of Profit & Loss for the year ended 31st March 2020

Particulars	Note No.	31 st March 2019 ₹	31 st March 2020 ₹	Absolute Change (Increase/Decrease) ₹	Percentage Change (Increase/Decrease) %
		(A)	(B)	(C = B - A)	(D = C/A x 100)
I. Revenue from Operations		1,60,000	2,50,000	90,000	56.25
II. Expenses:					
a) Purchases of Stock-in-Trade		1,25,000	2,25,000	1,00,000	80
b) Changes in Inventories of Stock-in-Trade		25,000	25,000	-	-
c) Other Expenses (W.N.)		15,000	20,000	5,000	33.33
Total Expenses		1,65,000	2,70,000	1,05,000	63.64
III. Profit before Tax (I - II)		(5,000)	(20,000)	(15,000)	300
IV. Less: Tax*		-	-	-	-
V. Profit after Tax (III-IV)		(5,000)	(20,000)	(15,000)	300

(Refer to the Orange box for the Project)

Sr. No.	Name	Topic for Accountancy	Topic for Business Studies
1.	Aaditya Mishra	JSW Steel	Roasted Snacks
2.	Aashish Choudhary	JSW Steel	Hair Oil/ Dye
3.	Aditi Pandey	Bajaj Finance Ltd.	Crockery
4.	Archana Sinha	Bajaj Finance Ltd.	Sauce/Jam
5.	Arpit Mishra	Adani Ports	Sunglasses
6.	Avira Arun Yadav	Adani Ports	Washing detergent
7.	Ayushi Chandel	Infosys Ltd.	Pencil & Eraser
8.	Chandani Verma	Infosys Ltd.	Moisturizer
9.	Chitrakshi Todre	HUDCO	Paints
10.	Jharna Verma	HUDCO	Coffee
11.	Lucky Vishwakarma	HDFC BANK	Suitcase/Airbag
12.	Mansi Bande	HDFC BANK	Body Spray
13.	Mohammad Fardeen	Nestle	Crayons
14.	Nikhil Sahu	Nestle	Cycle
15.	Palak Singh	Wipro Ltd.	Shampoo
16.	Pari Tiwari	Wipro Ltd.	Jeans
17.	Prachi Gilhare	Reliance Ltd.	Nail Polish
18.	Prithavi Rao	Reliance Ltd.	Breakfast cereal
19.	Raj Gupta	JSW Steel	Washing detergent/ Bar
20.	Sambhavi Chaturvedi	Bajaj Finance Ltd.	Ladies Footwear
21.	Shaliya Khan	Adani Ports Ltd.	Pickles
22.	Shivam Roy	Nestle	Adhesives
23.	Shivam Verma	Wipro Ltd.	Fruit Candy
24.	Tirtha Verma	Reliance Ltd.	Jewellery
25.	Tripti Verma	Tata Steel Ltd.	Saree
26.	Urja Tiwari	Tata Steel Ltd.	Cheese Spread
27.	Utkarsh Agrawal	ONGC	Furniture
28.	Vibhavari Modi	ONGC	Cosmetology products

BUSINESS STUDIES

MARKETING MANAGEMENT

Students are advised to do a simple market research with the objective of finding out the given products marketing

The students are required to make a project on the given product keeping in mind the following.

1. Why have they selected this product/service?
2. Find out '5' competitive brands that exist in the market.
3. What permission and licenses would be required to make the product?
4. What are your competitors Unique Selling Proposition. [U.S.P.]?
5. Does your product have any range and variety of products, give details?
6. What is the name of your product?
7. Enlist its features.

8. Draw the 'Label' of your product.
9. Draw a logo for your product.
10. Draft a tag line.
11. What is the selling price of your competitor's product?
12. Selling price to consumer
13. Selling price to retailer
14. Selling price to wholesaler
15. What is the profit margin in percentage to the Manufacturer? Wholesaler? Retailer?
16. How will your product be packed?
17. Which channel of distribution are you going to use? Give reasons for selection?
18. Decisions related to warehousing, state reasons.
19. What is going to be your selling price?
(i) To consumer (ii) To retailer (iii) To wholesaler
20. List 5 ways of promoting your product.
21. Any schemes for
22. The wholesaler
23. e retailer
24. The consumer
25. What is going to be your 'U.S.P'?
26. What means of transport you will use and why?
27. Draft a social message for your label.
28. What cost effective techniques will you follow for your product.
29. What cost effective techniques will you follow for your promotion plan.

This project will help you learn the importance of the concept of marketing mix and what all are the necessary decision required to launch your own product.

On the basis of the work done by the students the project report should include the following:

- a. Type of product (consumer/industries) process involved.
- b. Brand name and the product.
- c. Range of the product.
- d. Identification mark or logo.
- e. Tagline.
- f. Labeling and packaging.
- g. Price of the product and basis of price fixation.
- h. Selected channels of distribution and reasons thereof.
- i. Decisions related to transportation and warehousing. State reasons.
- j. Promotional techniques used and starting reasons for deciding the particular technique.
- k. Grading and standardization.

(Refer to the Orange box for the Project)

OR

(B) Stock Exchange

In this project school students learn the value of investing and utilising the stock market. This project also teaches important lessons about the economy, mathematics and financial responsibility. The basis of this project is to learn about the stock market while investing a specified amount of fake money in certain stocks. Students then study the results and buy and sell as they see fit.

The students are expected to:

- a) Develop a brief report on History of Stock Exchanges in India. (your country)
- b) Prepare a list of at least 25 companies listed on a Stock Exchange.
- c) To make an imaginary portfolio totalling a sum of Rs. 50,000 equally in any of the

5 companies of their choice listed above over a period of twenty working days.

The students may be required to report the prices of the stocks on daily basis and present it diagrammatically on the graph paper.

They will understand the weekly holidays and the holidays under the Negotiable Instruments Act. During this period of recording students are supposed to distinctively record the daily and starting and closing prices of the week other days under the negotiable instrument act so that they acquire knowledge about closing and opening prices.

- The students may conclude by identifying the causes in the fluctuations of prices. Normally it would be related to the front page news of the a business journal, for example,
 - Change of seasons.
 - Festivals.
 - Spread of epidemic.
 - Strikes and accidents
 - Natural and human disasters.
 - Political environment.
 - Lack of faith in the government policies.
 - Impact of changes in government policies for specific industry.
 - International events.
 - Contract and treaties at the international scene.
 - Relations with the neighboring countries.
 - Crisis in developed countries, etc.

The students are expected to find the value of their investments and accordingly rearrange their portfolio. The project work should cover the following aspects;

1. Graphical presentation of the share prices of different companies on different dates.
2. Change in market value of shares due to change of seasons, festivals, natural and human disasters.
3. Change in market value of shares due to change in political environment/ policies of various countries/crisis in developed countries or any other reasons
4. Identify the top ten companies out of the 25 selected on the basis of their market value of shares.

It does not matter if they have made profits or losses.

(Refer to the Orange box for the Project)

ECONOMICS

Project on - What's Going on Around Us

Scope of the project:

Student may work upon the following lines:

- Introduction
- Details of the topic
- Pros and Cons of the economic event/happening

- Major criticism related to the topic (if any)
- Students' own views/perception/ opinion and learning from the work
- Any other valid idea as per the perceived notion of the student who is actually working and presenting the Project-Work
- The list of the project title has been given in the table below

Sr. No.	Name	Topic for Economics
1.	Aaditya Mishra	Micro Small Scale Industry
2.	Aashish Choudhary	Alternative Fuel Types and Imp
3.	Aditi Pandey	New Education Policy 2020 A Promise for new education system
4.	Archana Sinha	Disinvestment Policies of the government
5.	Arpit Mishra	Comparative Study of Economy - Max 3 economy
6.	Avira Arun Yadav	E - Rupee
7.	Ayushi Chandel	Role of RBI in control of credit
8.	Chandani Verma	Sri Lanka's Economics Crises
9.	Chitrakshi Todre	Sustainable Development Goals (SDGs)
10.	Jharna Verma	Make in India
11.	Lucky Vishwakarma	Aatm Nirbhar Bharat
12.	Mansi Bande	Cashless Economy
13.	Mohammad Fardeen	Rain water Harvesting
14.	Nikhil Sahu	Money and banking
15.	Palak Singh	Self Help Groups
16.	Pari Tiwari	Government Budget and Its Component
17.	Prachi Gilhare	Balance of Payments
18.	Prithavi Rao	Human Development Index
19.	Raj Gupta	Health expenditure of any state - C.G
20.	Sambhavi Chaturvedi	Waste Management in India need of the Hour
21.	Shaliya Khan	Digital India - Step towards the future
22.	Shivam Roy	G20 Inclusive and Action Oriented
23.	Shivam Verma	Self Help Group
24.	Tirtha Verma	Health Expenditure of Kerala
25.	Tripti Verma	Aatm Nirbar Bharat
26.	Urja Tiwari	Current challenges facing Indian Economy
27.	Utkarsh Agrawal	Organic farming - Back to the nature
28.	Vibhavari Modi	Foreign Exchanges Rate

INDIAN ECONOMIC DEVELOPMENT

- (1) Prepare NOTES on - NEETI AYOOG
- (2) Complete your Home Assignment copies along with notes and questions and answers
- (3) Learn all the content taught till date

PRESENTATION AND SUBMISSION OF Business Studies/ Accountancy/ Economics PROJECT

The following essentials are required to be fulfilled for its preparation

1. The total length of the project will be of 25 to 30 pages.
2. The project should be handwritten.
3. The project should be presented in a neat folder.
4. The project report should be developed in the following sequence-
 - Cover page should include the title of the Project, student information, school and year.
 - List of contents.
 - Acknowledgements and preface (acknowledging the institution, the places visited and the persons who have helped).
 - Certificate
 - Introduction.
 - Topic with suitable heading. Planning and activities done during the project, if any.
 - Observations and findings of the visit.
 - Conclusions (summarized suggestions or findings, future scope of study). Photographs (if any).
 - Appendix.

ENGLISH

- 1) Attempt three sample papers only for unseen passages.
- 2) Read and write down the question answers of the topics taught.

<https://www.learncbse.in/cbse-sample-papers-class-12-english/>

OPTIONAL SUBJECTS:

(Applied Math's/ Hindi/ Computer science/ Physical education)

Applied Mathematics

Project work

Student may work upon the following lines:

- Introduction
- Details of the topic
- Pros and Cons of the economic event/happening
- Major criticism related to the topic (if any)
- Students' own views/perception/ opinion and learning from the work
- Any other valid idea as per the perceived notion of the student who is actually working and

presenting the Project-Work.

Conclusion

Projects list

- 1) Weather Predictions- Arpit Mishra
- 2) Stock Price Movement- Pari Tiwari
- 3) Predicting Stock Market Crash - Shambhavi Chaturvedi
- 4) Predicting The Outcome Of An- Election-Exit Polls- Urja Tiwari

HINDI

यहाँ दिए गए चारों विषयों पर परियोजना कार्य के लिए उपशीर्षक (Sub-headings) दिए जा रहे हैं, जिन्हें आप अपनी परियोजना में उपयोग कर सकते हैं:

आपके नाम के सामने दिए गए विषय पर परियोजना कार्य तैयार करें

1. महादेवी वर्मा के साहित्य में छायावाद

- प्रस्तावना
- छायावाद: एक साहित्यिक आंदोलन
- महादेवी वर्मा का साहित्यिक परिचय
- छायावादी तत्वों की विशेषताएँ
- महादेवी वर्मा की प्रमुख रचनाएँ
- छायावाद में महादेवी वर्मा की भूमिका
- निष्कर्ष

2. जैनेन्द्र का साहित्य और मनोविज्ञान

- प्रस्तावना
- जैनेन्द्र कुमार का परिचय
- हिंदी साहित्य में मनोविश्लेषण का आगमन
- जैनेन्द्र के उपन्यासों में मनोवैज्ञानिक दृष्टिकोण
- पात्रों की आंतरिक संवेदनाएँ और संघर्ष
- प्रमुख रचनाएँ और उनका मनोवैज्ञानिक विश्लेषण
- निष्कर्ष

3. रेनू जी के साहित्य में आंचलिकता

- प्रस्तावना
- फणीश्वरनाथ रेनू का परिचय
- आंचलिकता की अवधारणा
- रेनू के साहित्य में ग्रामीण जीवन का चित्रण
- भाषा, बोली और सांस्कृतिक विविधता
- 'मैला आँचल' और अन्य रचनाएँ
- निष्कर्ष

4. निराला जी क्रांतिकारी कवि

- प्रस्तावना
- सूर्यकांत त्रिपाठी 'निराला' का परिचय
- क्रांति की अवधारणा और संदर्भ
- निराला की कविता में क्रांतिकारी स्वर

- सामाजिक, राजनीतिक और साहित्यिक विद्रोह
- प्रमुख क्रांतिकारी रचनाएँ
- निष्कर्ष

आप आप इन शीर्षक के अंतर्गत विषय सामग्री खोज कर उसे पढ़ कर एवं समझ कर अपनी भाषा में परियोजना कार्य तैयार करें इस परियोजना कार्य को वार्षिक आंतरिक मूल्यांकन के अंतर्गत शामिल किया जाएगा जिस पर आपको 20 अंकों में से आपके कार्य के अनुसार अंक प्रदान किए जाएंगे।

यह बहुत ही रोचक कार्य है आप इसे समय देकर पूरी रुचि के साथ करने का प्रयास करें।

Sr. No.	Name	Topic
1.	Prachi Gilhare	महादेवी वर्मा के साहित्य में छायावाद
2.	Jharna Verma	महादेवी वर्मा के साहित्य में छायावाद
3.	Mansi Bande	जैनेंद्र का साहित्य और मनोविज्ञान
4.	Nikhil Sahu	जैनेंद्र का साहित्य और मनोविज्ञान

COMPUTER SCIENCE

General Instructions:

Complete the coding from the List of Programs given below in your fair notebook:

1. Write a program to accept radius of circle and display it's area and circumference.
2. Write a program to find the average marks of five subjects. (Accept marks from user)
3. Write a program to find the area of right angle triangle. (Accept base and height from user)
4. Write a program to print the following pattern without loop.
*
* *
* * *
* * * *
5. Write a program to find the volume of sphere. (Accept radius from the user)
6. Write a code to convert the string "Practice" into list.
7. Write a code to make copy of following list using copy function. a =
[1,2,3,4]
8. Write a program to create list of the following (take input from the user) a. Any five students name
b. Any five numbers
c. Any five alphabets
d. Any five name of colors.
9. Write a program to accept 10 numbers from the user, if the number is odd, and then add

that number to the list.

(input numbers are : 1,2,3,4,5,6,7,8,9,10

L = [1, 3, 5, 7, 9])

10. Write a program to find the largest number from the following list.(without using inbuilt function)
A = [23, 12, 45, 67, 55]
11. Write a program to find the second largest number from the following list. A = [23, 12, 45, 67, 55]
12. Write code to arrange elements of following list in increasing order. A = [23,12,45,32,67,33]
13. Write a program to delete/remove all the negative elements from the list.
14. Write a program to delete/remove all the odd numbers from the list.
15. Write a program to delete/remove all the numbers less than 10 from the list.
16. Write a program to check whether a number (accepted from user) is present in a list.
17. Write a program to input a number and count the occurrence of that number in the given list.
B = [34,21,3,12,34,56,76,5,4,21,12,34]
18. Write a program to separate the character and numeric value from a given list and store them in a separate list.
A = [1,'f',2,'b',3,4,'h','j',6,9,0,'k']
19. Write a code to store following String in a variable named 'str'. This is Amit's Blog
20. Write a code to create empty string 'str1'
21. Write a code to assign a string "Hello World" to a string variable named "str1".
22. Write a program to display each character of the following string in separate line using 'for' loop.
str1 = Welcome to My Blog
23. Write a program to display each character of the following string in separate line using 'while' loop.
str1 = Welcome to My Blog
24. Write the positive and negative index value of 'B' in the following string.
"Welcome to my Blog"
25. Write a program to count the length of string without using inbuilt function.
26. Write the code to join string 'str1' and 'str2' and store the result in variable 'str3'
27. Write a program to accept string and display total number of alphabets.
28. Write a program to accept a string and display the sum of the digits, if any present in string.

For example:

Input string : My position is 1st and my friend come on 4th

Output : 5

29. Write a program to accept a string and convert it into lowercase.
30. Write a program to count the number of lowercase and uppercase character in a string accepted from the user.
31. Write a program to accept a string and display each word and it's length.
32. Write a program to accept a string and display string with capital letter of each word.
For example, if **input string is: welcome to my blog**

Output string: Welcome To My Blog

33. Write a program to replace all the word 'do' with 'done' in the following string.
str1 = "I do you do and we all will do"
34. Write a program to accept a string and display in reverse order.
35. Write a program to accept a string and display 20 times.
36. Write a program to accept a string in python and display the entire string in upper case.
37. Write a program to accept a string and display last three characters of the string.
38. Write a program to accept a string in python and display the entire string in lower case.
39. Write a program to accept a string and display the entire string with first and last character in upper case.
40. Write a program to accept a string and display first three characters of the string.
41. Write a function in python which accept a string as argument and display total number of vowels.
42. Write a function in python which accept a string as argument and display total number of lower case characters.
43. Write a function in python which accept a string as argument and display total number of digits.
44. Write a program to print first 10 natural number.
45. Write a program to print first 10 even numbers.
46. Write a program to print first 10 odd numbers.
47. Write a program to print first 10 even numbers in reverse order.
48. Write a program to print table of a number accepted from user.
49. Write a program to display product of the digits of a number accepted from the user.
50. Write a program to find the factorial of a number.
51. Write a program to find the sum of the digits of a number accepted from user.
52. Write a program to check whether a number is prime or not.
53. Write program to print the following pattern.
- a) 1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
- b) * * * * *
* * * * *
* * * *
* * *
* *
*
54. Accept 10 numbers from the user and display their average.
55. Write a program to print all prime numbers that fall between two numbers including both(accept two numbers from the user)
56. Write a program to display sum of odd numbers and even numbers that fall between 12 and 37(including both numbers)
57. Write a program to display all the numbers which are divisible by 11 but not by 2

between 100 and 500.

58. Write a program to print numbers from 1 to 20 except multiple of 2 & 3.

59. Write a program that keep on accepting number from the user until user enters Zero.
Display the sum and average of all the numbers.

60. Write a program to print the following pattern

55555

4444

333

22

1

61. Accept a number and check whether it is palindrome or not.

62. Write a program to accept a number and check whether it is a perfect number or not.
(Perfect number is a positive integer which is equal to the sum of its divisors like divisors of 6 are 1,2,3, and sum of divisors is also 6, so 6 is the perfect number)

63. Write a program to find the sum of the following series(accept values of x and n from user)

$1 + x/1! + x^2/2! + \dots + x^n/n!$

64. Write a program to find the sum of following (Accept values of a, r, n from user)

$a + ar + ar^2 + ar^3 + \dots + ar^n$

65. Write a function to display prime numbers below any number accepted from the user.

66. Write a program to convert temperature in Fahrenheit to Celsius.

67. Write a program to accept two numbers from the user and display sum of even numbers between them(including both)

68. Write a program to reverse a number.

69. Write a program to print the following pattern.

A

B C

D E F

G H I J

70. Write a program to print the following pattern.

1 2 3 4

1 2 3

1 2

1

PHYSICAL EDUCATION

Answer the following questions:

1) Elaborate the functions of sports event management.

2) Draw a knockout fixture of 19 teams.

- 3) Write briefly about any two types of specific sports.
- 4) Draw a fixture of 7 teams on tabular method.
- 5) Draw a fixture of 8 teams on staircase method.
- 6) Draw a fixture of 5 teams on cyclic method.
- 7) define the term fixture, bye and seeding.
- 8) Explain the advantages and disadvantages of intramural activities

MDA VPS