

MILESTONE ACADEMY
VACATION HOMEWORK
COMMERCE

CLASS – XII

Date of submission :-29.10.25

ENGLISH:-

Literature Section

Go through the chapter “On the face of it” and “The third level” prepare handwritten presentation in about 20-25 pages (each) for the same.

ACCOUNTANCY:-

S. No	Chapter	Question No.
1	Basic Concepts of Partnership	74, 76 & 88
2	Valuation of Goodwill	24, 27 & 32
3	Change in PSR	23, 24,25,26,27
4	Admission of a Partner	80,81,82, 83, 86
5	Retirement of a Partner	42, 45, 48 & 51
6	Death of a Partner	35
	Total no. of Questions	20

ECONOMICS :-

Prepare a write up on the topic:-

RUSSIA UKRAINE WAR IMPACT ON INDIA

BUSINESS STUDIES:-

1. Sakshi Ltd. is a company manufacturing electronic goods. It has a share capital of Rs. 120 lakhs. The earning per share in the previous years was Rs 0.5. For diversification the company requires additional capital of Rs 80 lakhs. The company raised funds by issuing 10 % debentures for the same. During the current year the company earned profit of Rs 16 lakhs on capital employed, It paid tax of 40%.

(a) State whether the shareholders gained or lost in respect of earning per share on diversification. Show your calculations clearly.

2. Kay Ltd. is a company manufacturing textiles. It has a share capital of ? 60 lakhs. In the previous year, its earning per share was ? 0.50. For diversification, the company requires an additional capital of ? 40 lakhs. The company raised funds by issuing 10% debentures for the same. During the year, the company earned a profit of ? 8 lakhs on the capital employed. It paid tax @ 40%.

(a) State whether the shareholders gained or lost, in respect of earning per share on diversification. Show your calculations clearly.

(b) Also state any three factors that favour the issue of debentures by the company as part of its capital structure.

3. Arun is a successful businessman in the paper industry. During his recent visit to his friend’s place in Mysore, he was fascinated by the exclusive variety of incense sticks available there. His friend tells him that Mysore region is known as a pioneer in the activity of Agarbathi manufacturing because it has a natural reserve of forest products especially Sandalwood to provide for the base material used in production. Moreover, the suppliers of other types of raw material needed for production follow a liberal credit policy and

the time required to manufacture incense sticks is relatively less. Considering the various factors, Arun decides to venture into this line of business by setting up a manufacturing unit in Mysore.

In context of the above case:

(a) Identify and explain the type of financial decision taken by Arun.

(b) Identify the three factors mentioned in the paragraph which are likely to affect the working capital requirements of his business

Hindi - रचनात्मक लेखन लिखिए।

क. आत्मनिर्भर भारत

ख. एक सुबह जब मैं उठी

PHYSICAL EDUCATION :-

- 1. State about Basal Metabolic Rate and it's calculation.
- 2. Explain partial curl ups and modified push ups for girls along with its purpose and procedure.
- 3. Discuss about BMI with its purpose and procedure.
- 4. Discuss the factors determining speed.
- 5. What do you understand by fracture? How can fractures be classified? Explain.

APPLIED MATHMEATICS :-

- 1. Differentiate the following function with respect to x:
 - a) $f(x) = \log(x - \sqrt{x^2 - a^2})^n$
 - b) $f(x) = \log \sqrt{\frac{a-x}{a+x}}$
- 2. Differentiate $\frac{x^2}{1-x^2}$ with respect to x^2 .
- 3. if $x = \frac{e^t}{1+e^t}, y = \frac{e^t+e^{-t}}{e^t-e^{-t}}$. Find $\frac{dy}{dx}$
- 4. If cost function $C(x) = x^3 - 2x^2 + x + 5$. then find marginal cost, average cost .
- 5. Write three years, four years, five years moving average question.

INFORMATIC PRACTICES:-

1	What are DDL and DML? Give one command of each.
2	Which command is used to add new column in existing table?
3	Which clause is used to search for NULL values in any column?
4	Which command is used to see information like name of columns, data type, size etc. ?
5	Which clause is used for pattern matching? What are the 2 main characters used for matching the pattern?
6	Which clause is used to see the output of query in ascending or descending order?
7	Which clause is used to eliminate the duplicate rows from output?
8	What is the minimum number of column required in MySQL to create table?
9	Which command is used to remove the table from database?
10	Which command is used to add new record in table?
11	Which option of ORDER BY clause is used to arrange the output in descending order?
12	Which command is used to change the existing information of table?
13	Raj is a database programmer, He has to write the query from EMPLOYEE table to search for the employee whose name begins from letter „R“, for this hehas written the query as: SELECT * FROM EMPLOYEE WHERE NAME=“R%”; But the query is not producing the correct output, help Raj and correct thequery so that he gets the desired output.
14	Raj is a database programmer, He has to write the query from EMPLOYEE table to search for the employee who are not getting any commission, for thishe has written the query as: SELECT * FROM EMPLOYEE WHERE commission=null; But the query is not producing the correct output, help Raj and correct thequery so that he gets the desired output.
15	Raj is a database programmer, has to write the query from EMPLOYEE table to search for the employee who are working in „Sales“ or „IT“ department, forthis he has written the query as: SELECT * FROM EMPLOYEE WHERE department=“Sales“ or IT”; But the query is not producing the correct output, help Raj and correct thequery so that he gets the desired output.

COUMPUTER SCIENCE :-

1. A binary file "student.dat" has structure [rollno, name, marks].

i. Write a user defined function insertRec() to input data for a student and add to student.dat.

ii. Write a function searchRollNo(r) in Python which accepts the student's rollno as parameter and searches the record in the file "student.dat" and shows the details of student i.e. rollno, name and marks (if found) otherwise shows the message as 'No record found'.

2. Write a python program to create binary file dvd.dat and write 10 records in it:

Dvd id,dvd name,qty,price

Display those dvd details whose dvd price is more than 25.

Write a Python program that reads data from a CSV file named "inventory.csv" using the **csv.DictReader()** class. The CSV file contains columns for "Product", "Quantity", and "Price".

Your program should calculate the total value of each product in inventory (quantity * price) and print a summary report showing each product's name and total value.

Identify and correct the error in the following Python code that attempts to open a CSV file named "data.csv" for writing using the **csv.writer()** object.

What is the purpose of using the csv module in Python?

Discuss the importance of newline handling when working with CSV files.

Differentiate between writerow() and writerows() methods in the csv.writer() object.

Describe the data format of a CSV file.

Explain the concept of a delimiter character in CSV files.