

**Class 12 Holiday Homework 2020-2021  
(All Subjects)**

Class 12 - Accountancy

Hope house

- What do you mean by Analysis of Financial statements. Write its objective, advantage, and limitation also.
- Prepare a proper format of Balance sheet of a company as per schedule III part I
- And also write head and subheads of all assets and liabilities. Prepare format of Income statement of a company as per schedule III part II.

Love house

- What do you mean by Analysis of Financial statements. Write its objective, advantage, and limitation also. What do you mean by common size and comparative statement as a tool of analysing financial statements. Write its objective, advantage and limitation also.

Unity house

- What do you mean by Analysis of Financial statements. Write its objective, advantage, and limitation also. What do you mean by Ratio analysis as a tool of analysing financial statements. Write its objective, advantage and limitation also.
- Write the type of Ratios

Zeal house

- What do you mean by Analysis of Financial statements. Write its objective, advantage, and limitation also. What do you mean by Cash flow statement as a tool of analysing financial statements. Write its objective, advantage and limitation also. Prepare a format of cash flow statement.

Common Question

The need for partnership form of organisation arose from the limitations of sole-proprietorship. In sole-proprietorship, financial resources and managerial skills were limited one man could not supervise all the business activities personally. Moreover, risk bearing capacity of an individual was also limited. When business activities started expanding the need for more funds arose. More persons were required for supervising different functions. It was at this stage that a need for associating more persons arose. So more persons were associated to form groups to carry on business. These persons brought in to the business their financial resources and are also helpful in business administration.

A partnership is an association of two or more persons to carry on, as co-owners, a business and to share its profits and losses. The partnership may come into existence either as a result of the expansion of the sole trading concern or by means of an agreement between two or more persons desirous of forming a partnership.

When the business expands in size, the proprietor finds it difficult to manage the business and is forced to take more outsiders who will not only provide additional capital but also assist him in managing the business on sound lines. Sometimes the nature of business demands large amount of capital, effective supervision and greater specialization. It is the ideal form of organisation for the enterprise requiring moderate amount of capital and diversified managerial talent. This form is not suitable for a business requiring more capital and expert managerial personnel.

- From the above information you are required to draw attention towards.
  - Meaning of partnership
  - B.Features of Partnership firm
  - C.How does this form of business formed.
  - D.Partnership deed.
  - E. What are types of partners.
  - E.Rights of a partner.
  - F.Whocan not be admitted as a partner.
  - G.Advantages of partnership
  - H.Disadvantage of Partnership
  
- What are Financial statements of a Company.write nature of financial statement. Objective of Financial statements.Content of Financialstatements.Tools of analysing financial types of Financial statements analysis.

## Class 12 - Biology

### LOVE HOUSE

- Describe the female reproductive system with a labelled diagram.

### HOPE HOUSE

- Spermatogenesis is continuous but oogenesis is discontinuous. Is it true? How do you support this statement explain with suitable diagram.

### UNITY HOUSE

- Describe the male reproductive system with a labelled diagram.

### ZEAL HOUSE

- Describe the emasculation and bagging. Why are emasculation and bagging necessary for artificial hybridisation? What kind of flowers do not require the process of emasculation with examples and suitable diagram.

### Common Question

- Elaborate the sexual reproduction in flowering plants. Explain the term pollination and their types with suitable diagram and examples.

## CLASS 12 - BUSINESS STUDIES

### HOPE HOUSE

- Prepare Chapter 1 (Nature and Significance of Management), online test will be taken after summer v acation.

### LOVE HOUSE

- Prepare Chapter 2 (Principles of Management) , online test will be taken after summer v acation

### UNITY HOUSE

- Prepare Chapter 3 (Business Environment), online test will be taken after summer v acation.

### ZEAL HOUSE

- Prepare Chapter 4 (Planning), online test will be taken after summer v acation

### COMMON QUESTION

- Prepare chapter 5 (Organising), online test will be taken after summer v acation

## Class 12 – Chemistry

### Hope house

- Explain Henry's law, and make a project on the topic "applications of Henry's law in our daily life".

### Love house

- Explain Raoult Law and make a project on the topic "applications of Raoult Law in daily life".

### Unity house

- Explain osmosis and osmotic pressure and make a project on the topic "applications of reverse osmosis in daily life".

### Zeal house

- Explain the process of solubility, and make a project on the topic "applications of solubility in daily life".

### Common question

- Do solve all exercise questions of following chapters –
  - Coordination compound
  - Solid state
  - Solutions

Note- Preparation of proper notes of above chapters is mandatory. It will be checked when school reopens.

## Class 12 - Economics

### Love House

- Classify and explain different types of goods with examples.

### Zeal House

- Elaborate the concept of Investment and depreciation in detail.

### Unity House

- Explain the concept of Supply of money with the methods of measuring it.
- Or
- Write a note on Agricultural and Occupational structure at the eve of independence.

### Hope House

- Write a note on Central Bank and its functions.
- Or
- Write a note on Industrial and demographical condition during colonial period.

### Common Question

- Analyze the positive and negative impact of different infrastructural development by British rule on Indian Economy.
  - Write your own view regarding what would be the impact of current pandemic on Indian GDP and what are the corrective measures that should be taken to overcome from it.
- Or
- How current pandemic will affect the employment structure of India and what action can be taken to maintain employment status in India. Write your view on it.

## Class 12 - History

Prepare a file on the following topics according to given data.

- Roll No. 1-13 Harappan Civilization.
- Roll No. 14-26 Bhakti and Sufi movement.
- Roll No. 27-39 Revolt of 1857.

Class 12 – Informatics Practices

Q1. Create the Table Emp with the following constraints:

Field Name	Data Type	Size	Constraint
ID	Int	2	Primary Key
Name	Varchar	20	Not Null
Age	Int	3	
Address	Char	40	
Salary	Int	7	Between 10000 to 100000
Phone	Char	15	

Q2. Add the following records to the above table “Emp” and Write commands in SQL

ID	NAME	AGE	ADDRESS	SALARY	Gender	PHONE
1	Siddharth	25	A-4, Ashok Vihar, Delhi	62000	M	98110766656
2	Chavi	23	B-21, Model Town, Mumbai	71000	F	99113423989
3	Karan	26	KC-24, North Avenue, Bhopal	65000	M	98105393578
4	Raunaq	22	A-152, Gomti Nagar, Lucknow	89000	M	99101393576
5	Kunal	27	B-5/45, Uday Park, Delhi	80000	M	97653455654
6	Karan	25	A-Block,AMTVihar,Chennai	94000	M	945287653241
7	Paul	25	S-25,BLB Appts, Bangalore	75000	M	988765442312

- 1) To display list of all employees below 25 years old.
- 2) To list names and respective salaries in descending order of salary.
- 3) To display addresses with names starting with 'K'
- 4) To list names and addresses of those persons who have 'Delhi' in their address.
- 5) To list out all the employees whose salary is in between 70000 and 80000.
- 6) Display unique employee names from emp table
- 7) To list out all the employee names whose phone number starts with '99'.
- 8) To display all the details of employee whose salary is above 85000.
- 9) To display all the employee names whose name contains the character 'a' anywhere.
- 10) Write a command to add a new column in the table as department with the data type char(2) with unique constraint
- 11) Display details of those employees whose department is not specified.
- 12) Display annual salaries of male employees.
- 13) Remove records of those employees whose age is more than 25 and mobile no should contain 98 at any position.
- 14) Increase the salary of female employees by 10% whose age is 27 or 23.
- 15) Display first 10 characters from all the addresses.
- 16) To display location of p from all the names in emp table.
- 17) Display total no of characters of all the names from emp table
- 18) Display name with phone no by concatenating these two values.
- 19) Write a command to display position of – in all the addresses.
- 20) Insert all seven records by insert command.

Find the output:

- 1) select name from emp where sal=select max(sal) from emp;
- 2) select length(name) from emp where salary>82000;
- 3) select 9\* 4 from emp where id>6;
- 4) select Left(address,4) from emp where id<3;
- 5) select mid(name,2,3) from emp where address like '%delhi%';

Q3.

- 1) Raju wants to change the schema of the table " STUDENT " which already exists in the database. Which command he will use.
- 2) Neha is not able to enter the details of students born after ' 30-Mar-2007'. Which constraint might be specified when the table was created.
- 3) What is the purpose of the following query.
- 4) SELECT \* FROM ELECTION GROUP BY city.
- 5) What is the role of UNIQUE constraint? How is PRIMARYKEY constraint differ from UNIQUE key constraint.2
- 6) What is the significant of ORDER BY command in SQL query.
- 7) ActivityName and ParticipantNo of table ACTIVITY given below

Activity Name	ParticipantNo
Relay 100X 4	16
High Jump	10
Shot Put	12
Long Jump	12
Discuss Throw	10

Based on this information, find the output of the following queries.

- a) SELECT DISTINCT (ParticipantNo) FROM ACTIVITY;
  - b) SELECT ActivityName FROM ACTIVITY WHERE ActivityName LIKE '%p';
- 8) A table Employee in a database has a 4 columns and 2 rows in it. What is cardinality and degree if 3 more columns are added in the table?

Q4. Write an SQL query to create following table ' Supplier' with following descriptions.

Table : Supplier

Field	Type	Constraint
Supp_id	Varchar(5)	PrimaryKey
Supp_Name	Varchar(20)	Not Null
City	Varchar(20)	
Order_No	Integer(10)	Foreign key with reference to Order_No column in Order table
Supp_Amount	Decimal(6,2)	Minimum 10000

## Class 12 – Music

- Repeat the ragas given in your syllabus and practice it in written, oral, experimental form and prepare its file.
- Listen to, write and store the hymns based on the ragas of the syllabus.
- Store articles on the life of your favorite songwriter, composer and singer.
- Practice writing the rhythms set in your course.
- Khatka, Raya, Saptak, Khyal and Taan. What do these words mean?

## Class 12 – Physics

### Zeal house

- Define dipole moment. Derive an expression for the electric field at any point on the:
  - a) axial line
  - b) equatorial line of an electric dipole.
- Obtain an expression for the electric field intensity at a point at a distance  $r$  from a charge  $q$ . What is the nature of this field?

### Love house

- Obtain the formula for the electric field due to a long thin wire of uniform linear charge density without using Gauss's law.
- Apply Gauss's theorem to calculate the electric field due to an infinite plane sheet of charge

### Hope house

- State and prove Gauss's theorem. Using Gauss's law, deduce the expression for the electric field due to a uniformly charged spherical conducting shell of radius  $R$  at a point (i) outside and (ii) inside the shell.
- Deduce Coulomb's law from Gauss's theorem.

### Unity house

- A thin semicircular ring of radius  $r$  is charged uniformly and the charge per unit length is  $\lambda$ . Find the electric field at its centre.
- A charge is distributed uniformly over a ring of radius  $a$ . Obtain an expression for the electric field intensity at a point on the axis of the ring. Hence show that for points at large distances from the ring, it behaves like a point charge.

### Common Questions

- Neeta's grandmother, who was illiterate, was wrapping her satin saree. She found some sparks coming out from it. She frightened and called Neeta. Neeta calmed down her grandmother and explained to her the scientific reason behind these sparks.  
Answer the following questions based on the above information:
  - a) What, according to you, are the values displayed by Neeta?
  - b) Why do sparks appear when a satin cloth is folded?
- If the total charge enclosed by a surface is zero, does it imply that the electric field everywhere on the surface is zero? Conversely, if the electric field everywhere on the surface is zero, does it imply that the charge inside the surface is zero?

## Class 12 – Psychology

### Hope House

- Watch the movie 'Karthik Calling Karthik' and write the symptoms of the characters you find deviated or abnormal. Find the norms on which you can categorise a behaviour as abnormal.

### Love House

- Watch the movie 'Karthik Calling Karthik' and write the symptoms of the characters you find deviated or abnormal. Find the norms on which you can categorise a behaviour as abnormal.

### Unity House

- Watch the movie 'Karthik Calling Karthik' and write the symptoms of the characters you find deviated or abnormal. Find the norms on which you can categorise a behaviour as abnormal.

### Zeal House

- Watch the movie 'Karthik Calling Karthik' and write the symptoms of the characters you find deviated or abnormal. Find the norms on which you can categorise a behaviour as abnormal.

### Common Question

Write the emotions of all emojis used in WhatsApp and classify them as positive and negative emotions.

## Class 12 - Hindi

1. गद्य एवं पद्य दोनों से एक एक रचनाकार का जीवन परिचय, साहित्यिक परिचय, भाषा शैली एवं रचनाएं लिखिए। (आरोही से)
2. साहित्य की विधाएं या साहित्यिक वाद का वर्णन करते हुए संबंधित रचनाकार एवं रचनाएं भी लिखिए।
3. समकालीन (वर्तमान के) रचनाकारों को सूचीबद्ध कर उनकी प्रसिद्ध रचनाएं लिखिए।

सामान्य प्रश्न—

एक स्वरचित रचना: कविता / कहानी / लेख / आलेख / लघुनाटिका

## Class 12 - English

### Love House

- A pregnant wild elephant in Kerala's Silent Valley Forest fell victim to an act of human cruelty after a pineapple filled with powerful crackers offered by a man exploded in her mouth when she chomped on it (3 June 2020). Write an article in 150-200 words giving your views on 'human cruelty'.

### Hope House

- It was very challenging during the Lockdown due to Covid-19 for all of us. Write an article sharing your experiences: ups and downs and learning. (150-200 words)

### Unity House

- Compose your own poem on "Lockdown survival".

### Zeal House

- The poem "An Elementary School Classroom in a Slum" exposes the widespread neglect of children of all nationalities, races, and ethnicities. The poet pleads for equal opportunity for education thereby appealing to the people to be more sensitive to their needs. Justify. (150-200 words)

### Common Question

- Covid-19 has created a world-wide havoc among all nations. It has changed the working style, the way of living and taught many lessons to every resident. Write an article on the topic "How Covid-19 has affected the daily lives of people" in not more than 150 words.

## Class 12 – Geography

### Common Question

- On the pandemic situation of Covid 19 what are environmental and social changes you came across describe it.

## Class 12 - Maths

### Hope House

- You have to write down Principal Value of Trigonometric Functions and also draw graph of  $\sin^{-1}$ ,  $\cos^{-1}x$  and  $\tan^{-1}x$

### Love House

- You have to write down all type of Matrix with example and also apply all operations of Matrix with at least 5 questions on each operation.

### Unity House

- You have to write down all property of Determinant and also solve at least 3 questions of each property.

### Zeal House

- You have to write down all types of relations and functions with the examples and also make a graph of all functions like trigonometric function, algebraic function, modulus, polynomial, etc.

### Common Question

- You have to make a Project file on any Mathematician with the contribution of him in Mathematics with examples and figures.

Students, you have to solve all questions on A4-size page and attach them in a file with your name, class, section and topic should be mentioned on front page of file.