



G D GOENKA PUBLIC SCHOOL, FIROZABAD
SUMMER VACATION HOMEWORK 2019-20
GRADE-XI Commerce

Instructions:

1. A file must be made for the project work assigned with the name, class and academic session neatly mentioned on the project file which can be covered by the brown paper.
2. Any downloaded material from the net should not be pasted directly in the form of a Xerox.
3. The project should be handwritten only.
4. Last date of submission of project is 09 July, 2019.
5. The homework must be original and the proper references should be made in accordance with the task. Neat, creative and honest presentation would be highly appreciated.

English

Integrate your ideas with academics! The summer assignment in English will help you to enhance your preparations for the Board exams. Use 5 A4 sheets and prepare a Book review on any one of the following book :
(unabridged edition) *UP From slavery by Booker T. Washington*
OR_ Great Expectations by Charles Dickens , use the following guidelines for the Book review and make sure to write it neatly on 5-6 A4 size sheets. - Theme / Analysis - Important features of the characters - Interesting and important quotations.

MATHEMATICS

Do the solution of the following questions in your class note book

1. If A and B are two sets such that $n(A) = 37, n(B) = 26$ and $n(A \cup B) = 51$, find $n(A \cap B)$.

2. If A and B are two sets such that $n(A) = 24$, $n(B) = 22$, $n(A \cap B) = 8$, find (i) $n(A \cup B)$ (ii) $n(A - B)$ (iii) $n(B - A)$
 3. In a committee of 30 members, 50 people speak Hindi, 20 speak English and 10 speak both Hindi and English. How many speak at least one of these two?
 4. In a group of 50 students, 30 like tea, 25 like coffee and 16 like both. How many like (i) Either tea or coffee (ii) Neither tea nor coffee
 5. In a group of 40 students, 26 take samosa, 8 take burger and 8 take neither of the two. 3 How many take both samosa and burger? Is taking samosa and burger good for health?
 6. There are 2000 students in a school. Out of these 1000 play cricket, 600 play basketball and 550 play football, 120 play cricket and basketball, 80 play basketball and football and 150 play cricket and football and 45 play all the three games. How many students play none of the games?
 7. A survey shows that 76% of the Indians like oranges whereas 62% like bananas. What percentage of the Indians like both oranges and bananas?
 8. In a survey of 700 students in a college, 180 were listed as drinking Limca, 275 as drinking Miranda and 95 were listed drinking both Limca as well as Miranda. Find how many students were drinking neither Limca nor Miranda.
 9. Out of 500 car owners investigated, 400 owned Maruti car and 200 owned Hyundai car and 50 owned both the cars. Is this data sufficient?
Prove by principle of mathematical induction that for all $n \in \mathbb{N}$, $n^2 + n$ is even natural number.
- ACTIVITY:** To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of subsets is 2^n .

COMPUTER SCIENCE

Write the following Python program in the Practical File

1. Write a program that accepts radius of a circle and prints its area.
2. Write a program to read a number n and print n^2, n^3, n^4
3. Write a program to find area of a triangle.
4. Write a program to compute simple interest and compound interest
5. Write a program to input a single digit (n) and print a 3 digit number created as $\langle n(n+1)(n+2) \rangle$ e.g. if you input 7, then it should print 789. Assume that the input digit is in range 1-7.
6. Write a program to take year as input and check if it is a leap year or not.
7. Write a program that reads a number of seconds and prints it in form: mins and seconds E.g. 200 seconds are printed as 3 mins and 20 seconds.
8. Write a program to take a 2 digit number and then print the reversed number. That is, If he input given is 25, the program should print 52.

ACCOUNTANCY

Q1. State what is the end product of Financial Accounting? Explain any four limitations of financial accounting.

Q2. What is the function of bookkeeping?

Q3. Name the external user of accounting information from whom firm takes loan?

Q4. Resignation of Marketing Manager is not recorded in books. Why?

Q5. Explain the following terms:

- i) Revenue
- ii) Asset
- iii) Fictitious Assets
- iv) Contingent liabilities
- v) Deferred Revenue Expenditure
- vi) Capital Receipt
- vii) Revenue Expenditure
- viii) Income
- ix) Stock
- x) Trade payable

Q6. Explain the following Assumptions / Principles:

- a) Accrual Assumption
- b) Consistency Convention
- c) Matching principle
- d) Verifiable Objective Concept

Q7. What qualitative characteristic of Accounting information requires the use of common unit and common format of reporting?

Q8. 'Accounting information should be verifiable and free from Accounting bias', Name the qualitative characteristics of Accounting information denoted by this statement.

Q9. 'Closing Stock is valued at lower of cost or market price'. Which concept of Accounting is applied here.

Q10. Briefly explain what do you understand by the qualitative characteristics of accounting information.

Q11. A company has lost vital Machinery in an accident on 2nd May 2010 which will have adverse effect on its production capacity. As a result it is likely to lose business to its competitors. The company has not disclosed this fact in the annual report for the year ended 31st March 2011. Do you think it is correct?

Q12. Gopal purchased 1000 square yard of Land to build a factory and paid Rs. 15,00,000 towards its cost (including registration charges of Rs. 1,00,000). At the end of the year the value

of land came down to Rs. 13,00,000. At what price should Gopal record the value of Land in his books?

Q13. Define Accounting Standards. Give basic two objectives of Accounting Standards?

Q14. Which Financial Statements are prepared under IFRS? Briefly explain the elements of the first two.

Q15. Ajay, a dealer in furniture, received advance against sale of table and chair. How should this advance be treated and why?

Q16 Show the accounting equation on the basis of the following transactions.

- i) Started business with Cash Rs. 1,10,000, Goods Rs. 30,000 and Furniture Rs. 10,000.
- ii) Purchased goods for Cash Rs. 20,000 and Credit Rs. 25,000.
- iii) Goods costing Rs. 48,000 sold at a profit of $33\frac{1}{3}\%$. Three fourth payment was received in cash.
- iv) Goods costing Rs. 20,000 sold at a loss of 5% out of which 12,000 received in cash.
- v) Paid rent Rs. 2,000 rent outstanding Rs. 1,000.
- vi) Withdrew Rs. 5,000 for personal use.
- vii) Interest on capital provided Rs. 2,000.
- viii) Commission received Rs. 10,000 out of which $\frac{1}{4}$ th relates to the next year.
- ix) Depreciate furniture @10% per annum for 3 months.
- x) Good worth Rs. 2,000 destroyed by fire.
- xi) Paid Rs. 24,000 to creditors in full settlement.
- xii) Paid security deposit to Landlord Rs. 2,000.
- xiii) Sold goods costing Rs. 5,000 at Rs. 8,000 and received a Bill Receivable for the same.
- xiv) Cash received against Bill receivable on Maturity.
- xv) Received cash from debtors and discount allowed @10%.

Q17. Journalise the following transactions:

- a) Purchased goods for cash and paid Rs. 200 for carriage on these goods.
- b) Purchased goods for Rs. 40,000 on credit from Sudhir and paid Rs. 500 carriage on these goods.
- c) Purchased Machinery for Rs. 20,000 spent Rs 500 on its carriage and Rs. 300 on its installation.
- d) Paid rent of building Rs. 6,000. Half the Building is used by the proprietor for personal purpose.
- e) Purchased goods from Ashok & Co. for Rs. 10,000 at 20% trade discount and 10% Cash discount. Half the payment was made in Cash.
- f) Cheque of Rs. 5,000 received from Gopal deposited into the bank on the same day
- g) Cheque of Rs. 10,000 received from Heena and deposited into the bank after two days.
- h) Cheque received from Gopal dishonoured.
- i) Received cash Rs 4,500 on account from Gopal.
- j) Paid Sudhir Rs 39,500 as full and final payment.

BUSINESS STUDIES

Make project on any one of the following topics (in about 25 – 30 pages)

1. Corporate social responsibility discharged by a business organization.
2. Visit a local business enterprise and identify its nature of business activity. Find out the obstacles faced by it and the steps taken to encounter them.
3. Select any co-operative society or Joint Stock Company and analyze the following aspects
 - a) Objective of formation
 - b) Nature and size of business
 - c) Number of members and their roles
 - d) Control and management of company/ co-operative society.
 - e) Investment made in the business enterprise.

Economics

1. Identify any one economic problem in the current scenario in Indian economy and develop a project touching the following parameters. (5)

- Meaning of Problem
- Extent/Magnitude of Problem.
- Main causes of Problem.
- Suggested Remedies to solve Problem.

2. Make a project on Production possibility curve.

Physical Education

1. Project File – Swimming:-

History, Dimensions of pool, Techniques & skills, Rules, Olympic Records and world records of previous events and Waist hip ratio.

- BMI Chart of 9 students

