

Bishop Scott Girls' School

Affiliated to CBSE, New Delhi (upto+2)
Brahmpur, Jaganpura, By-Pass, Patna - 27



SUMMER HOLIDAY HOMEWORK Class – XII B (Commerce) Session 2026-27

Date of Submission- 18.06.2026

A Season of Purpose and Preparation

Dear Parents,

As the summer sun settles in, we reach a unique milestone in your child's educational journey. The onset of the summer break for Grade XII is more than just a hiatus from the classroom; it is the "quiet before the climb"—a vital period for students to calibrate their goals before the final stretch of their schooling.

The board year often brings a mix of excitement and intensity. This break offers a rare opportunity to manage that pressure effectively. As the saying goes:

"Success is the sum of small efforts, repeated day in and day out." — **Robert Collier**

To help our students make the most of this time, I invite you to partner with me in focusing on three key pillars:

1. The Power of "Micro-Consistency"

Rather than marathon study sessions that lead to burnout, encourage **2–3 hours of focused daily revision**.

- **Target the Basics:** Use this time to master complex concepts in core subjects.
- **Bridge the Gaps:** Identifying and fixing weak areas now prevents them from becoming hurdles during the winter revision cycle.

2. Exploring Horizons

This is a golden window for students to look beyond the syllabus. Whether it is researching university applications, practicing for competitive entrance exams, or honing a creative skill, this "free" time allows them to connect their academic work to their future aspirations.

"The future depends on what you do today." — **Mahatma Gandhi**

3. Deliberate Rest

A weary mind cannot retain information. Please ensure your ward uses this time to truly disconnect as well. Physical exercise, adequate sleep, and family time are not distractions—they are the fuel that will sustain them through the rigorous pre-board schedules ahead.

"Rest is not idleness, and to lie sometimes on the grass under trees on a summer's day, listening to the murmur of the water, or watching the clouds float across the sky, is by no means a waste of time." —

John Lubbock

Looking Ahead

Our goal is for every student to return to school in June not just with completed assignments, but with **confidence and clarity**.

Your role as a source of steady encouragement is their greatest asset during this high-stakes year.

I look forward to seeing the students return recharged and ready to excel. I wish you and your family a safe and meaningful summer.

Regards,

Bishop Scott Girls School

ENGLISH CORE (301)

1. The Last Lesson had made Franz very sad. On his way back home, he meets Wachter and stops to talk to him. What can they talk about? Prepare a brief dialogue between them.
2. Research: Franco Prussian War. Write the main reasons of the war and its outcome.
3. Imagine you found a 4th level instead of the 3rd level.

Describe:

- a) Where it leads to
 - b) What time period it belongs to
 - c) Your experience there
4. Write a newspaper report about a mysterious discovery of a “hidden level” at Central Mall Patna.
 5. Take a tour of your city. Locate areas where they are slums. Find out if their basic needs are taken care of. If possible talk to young children to know about their hopes, dreams and future plans
 6. Mukesh grows up to be a motor mechanic as was his dream. He is sent to Delhi for some training. He meets Saheb, who now owns a tea stall. They sit over a cup of tea and talk about their lives. What will they talk about? Prepare interesting dialogue between them.
 7. Research: Bangle industry in Firozabad. Is there any improvement from what you read in ‘Lost Spring’?
 8. Rewrite the ending of the Tiger King with a twist.

Guiding questions:

- a) What if the prophecy was wrong?
 - b) Realised his mistake earlier?
 - c) How would the story change if told from the tigers point of view?
9. Research: Tiger population now in India.
Steps taken to increase their population.
Steps taken to stop poaching
On a Map of India point out the different Tiger reserves.
 10. Write a short paragraph on ‘A world without noise and rush’
 11. Book review
Write a book review in not more than 500 words. Follow the format discussed in class.
Choose any classic or motivational book.
 12. Learn at least 2 new words every day. Write down in your notebook with their meaning and usage.
(From newspaper, , story books)
 13. Prepare a short PPT on ‘Child Labour’. Group activity.

14. Practice reading out loudly from any book or news paper. Do this daily to improve your reading and pronunciation.
15. Re-write the last scene at airport from the mother's point of view from "My Mother at 66". (120-140 words)

ACCOUNTANCY (055)

1. Neena and Sara were partners in a firm with fixed capitals of ₹ 5,00,000 and ₹4,00,000 respectively. It was discovered that interest on capital @ 6% p.a. was credited to the partners for the two years ending 31st March, 2018 and 31st March, 2019 whereas there was no such provision in the partnership deed.

Their profit sharing ratio during the last two years was

2017-18 4:5

2018-19 5:1

Showing your working clearly, pass the necessary adjustment entry to rectify the error.

2. Palak, Geetika and Sarvesh are partners. They have omitted interest on capital @ 10% per annum for three years ended 31st March, 2019. Their fixed capitals on which interest was to be calculated throughout were: ₹10,000, ₹8,000 and ₹7,000 respectively. Their profit sharing ratio were 2017 - 1:2:2; 2018-5:3:2 and 2019-4:5:1. The firm earned profit of 2,500 in each year. Pass necessary adjustment entry.
3. X and Y are partners sharing profits and losses in the ratio of 3: 2. They employed Z as their manager to whom they paid a salary of 4,500 per month. Z had deposited 1,20,000 on which interest was payable @ 9% per annum.

At the end of 2017-2018 after division of the year's profit, it was decided that Z should be treated as partner with effect from 1st April, 2014-2015 with 1/6th share of profits, his deposit being considered as capital carrying interest @ 6% per annum like capitals of other partners.

The firm's profits and losses after allowing interest on capitals as a charge were- 2014-2015 profit 3,54,000, 2015-2016 profit 3,75,600, 2016-2017 loss 24,000, 2017-2018 profit 4,68,000. Record the necessary journal entries to give an effect to the above.

4. Following information is available about the business of a firm

(i) Profits in 2018-₹20,000; in 2019 -₹25,000; in 2020-₹30,000.

(ii) Non-recurring income of ₹500 is included in the profits of 2019.

(iii) Profits of 2018 have been reduced by ₹ 3,000 because goods were destroyed by fire.

(iv) Goods have not been insured but it is thought to insure them in future. The insurance premium is estimated at 200 per year.

(v) Reasonable remuneration of the proprietor of business is 3,000 per year, but it has not been taken into account for calculation of above mentioned profits.

(vi) Profits of 2020 include ₹2,500 income on investment.

(vii) Goodwill is agreed to be valued at two year's purchase of the weighted average profits of the past three years. The appropriate weights to be used are 2018 1; 2019-2; 2020 -3.

Calculate value of goodwill.

5. The goodwill of a firm is valued at Rs 67,500 at 3 years' purchase of super profit.

Determine the missing values

$$\text{Average Profit} = 1,80,000 / 3 = ₹ 60,000$$

$$\text{Normal Profit} = \dots \times 15/100 = ₹ \dots$$

$$\text{Super profit} = \text{Average Profit} - \text{Normal Profit}$$

$$= 60,000 - \dots$$

$$= ₹ \dots$$

$$\text{Goodwill} = \text{Super Profit} \times \text{No. of Years' Purchase}$$

6. P and Q have been carrying on business in partnership with fixed capitals of ₹1,20,000 and ₹ 60,000 respectively and sharing profits in the same proportion. They decided that with effect from 1st April, 2019, they would share profits and losses in the ratio of 3: 2. For this purpose goodwill is to be valued at preceding three year's profits ending 31st March were 2016 ₹37,500; 2017 ₹ 30,000; 2018 ₹40,000 and 2019 ₹65,000. Pass the necessary journal entry.
7. X and Y are partners in a firm sharing profits in the ratio of 3: 2. On 31st March, 2019, their balance sheet showed a general reserve of 27,000. On that date they decided to admit Z as a new partner. The new profit sharing ratio between X, Y and Z will be 4: 3:2. Record the necessary journal entry in the books of the firm under the following circumstances
- (i) When they want to transfer the general reserve in their capital accounts.
- (ii) When they don't want to transfer general reserve in their capital accounts and prefer to record an adjustment entry for the same.
8. Satish and Taruna were partners in a firm sharing profits and losses in the ratio of 3: 2. From 1st April, 2018 they decided to share profits equally. On that date their balance sheet showed a credit balance of 35,000 in workmen compensation fund and 40,000 in general reserve. The goodwill of the firm on that date was valued at 50,000. The firm accepted a claim of ₹ 40,000 for workmen

compensation.

Pass necessary journal entries for the above transactions on the reconstitution of the firm.

9. X, Y and Z were partners in a firm sharing profits in the ratio of 1:3:2. They decided that with effect from 1st April, 2019, they will share profits in the ratio of 4: 6:5. For this purpose the goodwill of the firm is valued at the total of preceding three year's profits. The profits were

Year	Amt.
2014-15.	20,000
2015-16	5,000 (Loss)
2016-17	40,000 (Loss)
2017-18	60,000
2018-19	70,000

Reserve and Profits appeared in the balance sheet at 20,000 and 15,000 respectively. Partners do not want to distribute the reserves and profits appearing in the balance sheet. Pass a single journal entry to record the change.

10. White, Black and Red are partners in a firm. On the first day of every month, White, Black and Red drew ₹14,000, ₹12,000 and ₹10,000 respectively. Interest on capitals and interest on drawings are fixed @ 8% and 10% respectively. Profit for the year ended 31st March, 2018 was ₹ 15,10,000 out of which ₹4,00,000 are to be transferred to general reserve.

Black and Red are entitled to receive salary of ₹60,000 and ₹90,000 per annum respectively and White is entitled to receive commission @ 10% on net distributable profits after charging such commission. On 1st April, 2017, the balances of their capital accounts were ₹10,00,000, ₹ 8,00,000 and 7,00,000 respectively.

You are required to show profit and loss appropriation account for the year ended 31st March, 2018 and capital accounts of partners in the books of the firm.

11. X, Y and Z are partners in a firm. Their capital accounts stood at 6,00,000, ₹5,00,000 and 4,00,000 respectively on 1st April, 2017. They share profits and losses in the proportion of 4:2:3.

Partners are entitled to interest on capital @ 8% per annum and salary to Y and Z @ 7,000 per month and 10,000 per quarter respectively as per the provision of the partnership deed.

Z's share of profit (excluding interest on capital but including salary) is guaranteed at a minimum of 1,10,000 per annum. Any deficiency arising on that account shall be met by X. The profits for the year ended 31st March, 2018 amounted to 4,24,000.

Prepare profit and loss appropriation account for the year ended 31st March, 2018.

12. P and Q are partners with fixed capital of ₹ 10,000 and ₹ 7,500 respectively. They admit R as a new partner for 1/5th share in profits. R brings 10,000 as his capital and sufficient cash for goodwill.

Debit balance of profit and loss 15,000 and general reserve ₹ 5,000 is given in the balance sheet. Calculate R's goodwill.

13. A and B are partners sharing profits in 2: 1. Two new partners C and D are admitted and the new profit sharing ratio is 4:2:3: 1. C is to pay 90,000 for his share of goodwill but D is unable to bring his share of goodwill. Both the new partners introduced 1,20,000 each as their capital. Pass necessary journal entries.
14. A and B are partners sharing profits in 2: 3. C and D are admitted and profit sharing ratio becomes 3:4:3:2. Goodwill is valued at ₹1,50,000. C brings required goodwill and 1,00,000 cash for capital. D brings in ₹50,000 cash and motor vehicle for 40,000 as his capital in addition to the required amount of goodwill in cash. Show the necessary journal entries.
15. P and Q are partners sharing profits in the ratio of 3: 1. On 1st April, 2018, they admit R into partnersh for 1/5th share who pays 25,000 as premium privately. On 1st April, 2019, they admit X into partnership for 1/6th share who brings 20,000 as premium, 75% of which is withdrawn by the existing partners. On 1st April, 2020, Y is admitted as a partner for 1/7th share who brings 30,000 as premium which is retained in the business. Pass journal entries for the above.
16. **Project Work**
One specific project based on financial statement analysis of a company covering any two aspects from the following:
 1. Comparative and common size financial statements
 2. Accounting Ratios
 3. Segment Reports
 4. Cash Flow Statements

ECONOMICS (030)

Answer the following questions:

1. " Final goods include only those goods which are consumed by the households". Defend or refute the given statement with valid reasons.
2. Differentiate between final goods and intermediate goods.
3. Giving reason, classify the following into intermediate products and final products.
 - (a) Computers installed in an office.
 - (b) Mobile sets purchased by a mobile dealer.
4. Which among the following are final goods and which are intermediate goods? Give reasons.
 - (a) Milk purchased by a tea stall.
 - (b) Bus purchased by a school.

(c) Juice purchased by a student from the school canteen.

5. "Circular flow of income in a two –sector economy is based on the axiom that one's expenditure is other's income".
6. Why did India opt for Planning?
7. Why did P.C. Mahalanobis known as the architect of Indian planning?
8. Limitations of Green Revolution.
9. How do Small Scale Industries promote rural development?
10. Explain Import Substitution.
11. What role does the Industrial sector play in the India Economy?
12. Why do Small Scale Industries promote rural development?
13. Highlight the salient features of India's Pre- Independence occupational structure.
14. Why were land reforms not implemented successfully?
15. What are Miracle Seeds?

16. Project Report:

Students will prepare a project file based on relevant topic chosen by them as per CBSE Curriculum.

General Guidelines:

- 1) Use an A4 size file or a handmade project file.
- 2) Maintain neat handwriting and proper presentation.
- 3) Use blue / black ink for writing and coloured pens/pencils for heading and diagrams.
- 4) The project should be well- organized and creative.
- 5) Attach relevant pictures , maps flowcharts , sketches , newspaper cuttings, and diagrams wherever required.
- 6) Avoid copying directly from the internet or guidebooks . Write in your own words.

BUSINESS STUDIES (054)

1. "Fast-Track Ltd." had a target to produce 10,000 shirts in a month. To achieve this, the manager operated the machines for double shifts. While the target of 10,000 shirts was achieved on the last day of the month, the electricity and labor costs doubled, significantly reducing the company's planned profit.
Analyze the manager's performance. Was the objective truly achieved in a balanced manner?
2. "Healthy Bites," a popular bakery known for its sugary treats, noticed a 40% drop in sales over six months. Market research revealed that people in the city are now preferring gluten-free and stevia-based products. The bakery immediately revamped its menu to include ragi cookies and sugar-free cakes.

What aspect of the business world is forcing "Healthy Bites" to change?

3. Karan works as a production supervisor. On Monday morning, the Marketing Manager asked him to slow down production to focus on premium packaging. Two hours later, the Operations Manager ordered him to speed up production to clear a pending backlog. Karan is now confused and stressed.

Which management guideline is being ignored here, and what will be the likely impact on Karan?

4. A manufacturing company used to let every worker decide their own way of assembling a chair. This led to variations in quality. A new manager joined and conducted a study to find the "one best way" to assemble the chair using minimum effort and resources. Now, every worker follows this specific sequence.

What approach has the new manager introduced to the factory floor?

5. In "Delta Corp," the rule is that information must flow from the Clerk to the Supervisor, then to the Manager, and finally to the Director. However, when a short circuit occurred in the server room, the Clerk immediately called the Director to prevent a massive data loss.

Is the Clerk's action justified? What is the specific provision for such situations?

6. The CEO of "Global Tech" ensures that the Production, Finance, and Sales departments don't work in isolation. He holds weekly meetings to ensure that the production schedule aligns with the sales forecast and that finance has enough liquidity to support both.

What is the "essence" of management that the CEO is performing here?

7. A purchasing manager at a construction firm awarded a high-value cement contract to a company owned by his cousin, even though another supplier was offering better quality at a lower price.

Which ethical guideline for managers has been violated in this scenario?

8. In a heavy machinery plant, workers were getting exhausted and making errors after four hours of continuous work. The management decided to introduce two 15-minute breaks in the morning and a 30-minute lunch break to help them regain their energy.

What specific study was likely conducted by the management to reach this decision?

9. Following a major government policy change regarding high-value currency notes, a small digital payment app saw its user base grow from 1 million to 50 million within a year. Traditional cash-based businesses, however, struggled to survive.

Identify the two different forces of the business world acting on the app and the cash-based businesses.

10. "Innovate Solutions" has a policy of hiring fresh graduates and giving them a high salary. However, if a recruit doesn't show "extraordinary results" within the first 30 days, they are immediately terminated. This has led to a high turnover rate and a sense of insecurity among the staff.

Which management principle regarding the treatment of personnel is being violated?

11. In a garment factory, the scissors are kept in the basement, the thread is on the second floor, and the sewing machines are on the ground floor. Workers spend a significant portion of their day just moving between floors to gather their materials.

Which management principle is missing here? What should be the ideal state?

12. A factory owner used to believe that any increase in worker wages would directly decrease his profits. After reading a management book, he realized that if he encourages workers to produce more and shares a portion of that extra profit with them, both parties will be wealthier.

What kind of "transformation" in thinking is required here?

13. A beverage company was fined heavily because it failed to print the nutritional information and the "best before" date on its cans, which is a mandatory requirement as per the latest government notification.

Which specific dimension of the business environment did the company ignore?

14. At a specialized heart hospital, there are separate departments for surgery, diagnostics, pharmacy, and rehabilitation. Each department is headed by an expert in that specific field to ensure maximum accuracy and speed.

Which management principle is the hospital applying to its organizational structure?

15. In "Bright Spark Ltd," two employees, Anita and Rahul, work as Senior Analysts. They have the same experience and qualifications. However, Rahul is paid 20% more than Anita for the same number of hours and the same quality of work.

Which principle of management is being violated by the company?

16. **Project Work: Do any one project**

Project One: Elements of Business Environment

Project Two: Principles of Management

PHYSICAL EDUCATION (048)

1. Draw a fixture for 18 teams on knockout basis participating in football tournament. And mention the following. Mention following

Total no. of matches

Total no. of byes to given

Total no. of Rounds

2. Draw a flow chart of the committee organizing the tournament.
3. Draw a league fixture for 9 teams using following methods
 - Stair case
 - Tabular method
 - cyclic methods
4. Write postural deformities and their cause and preventive measures (2 yogic asans)
 - Khyphosis
 - Lordosis
 - Round shoulder
5. Calculate the B.M.I of your family 5 members and identify the category
6. Mention life style diseases cause and cure.(2 yogic asans)
 - Diabetes
 - Asthma
 - Obesity
7. Read the news paper and collect the information about ongoing national or international tournament
 - Types of matches (knockout or league)
 - Semifinals and finals details
 - Total no of players or team participating
8. Design a "First Aid Kit" and create cards showing different types of sports injuries.
9. Explain Anorexia nervosa and Bulimia nervosa.
10. Make a personnel fitness log weekly (Exercise, Physical Activity,)
11. Differentiate between league tournament and knockout tournament and one advantage & disadvantage in each.
12. Differentiate between Intramural & extramural with two examples for each.
13. What are the three components of female Athlete triad? Explain how they affect a female athlete's health?
14. Define Menarche and menstrual dysfunction. How do these impact a women's participation in sports?
15. Based on WHO guidelines, suggest physical activity recommendations for children.(5-17 years).
16. **Prepare a Record files for board exams**
 - Practical.1 : fitness tests administration. (SAI Khelo India Test)

- Practical 2 : Procedures for Asanas , benefits & contraindication for any two Asanas for each life Style diseases
- Practical 3: Any one IOA recognize sports/ games of your choice. Labelled diagram of fields & equipment, Rules, Terminology & skills.

INFORMATION PRACTICES (065)

Instructions:-

- All programs must be written in Python language.
 - Use proper indentation in your code.
 - Use Pandas Objects- SERIES and DATAFRAME
 - Use Matplotlib pyplot Library for Data Visualization
 - Write each program clearly with proper spacing.
 - Add comments in your code to explain logic.
 - Avoid syntax errors and write clean code.
1. A shopkeeper wants to store daily sales of 5 days. Write a program to create a Pandas Series using these values. Display the complete Series.
 2. A teacher recorded marks of 5 students in a test. Create a Series to store these marks. Find and display the highest and lowest marks.
 3. A mobile shop has prices of 5 phones. Create a Series for these prices. Display only those prices which are greater than Rs.5,000.
 4. A student tracks his daily study hours for 5 days. Create a Series using these hours Increase each value by 1 hour and display the updated Series.
 5. A company stores employee IDs as a, b, c, d. Create a Series with salaries using these labels as index. Display the salary of employee 'c'.
 6. A shopkeeper records earnings of 5 days. Create a Series to store earnings. Find the total earning using the Series.
 7. A player scores runs in 5 matches. Create a Series for these scores. Display the square of each score.
 8. A school wants to store names and marks of students. Create a Data Frame with Name and Marks columns. Display the complete Data Frame.
 9. A hospital records patient name and age. Create a Data Frame using this data. Display only the Age column.
 10. A teacher wants to identify students scoring above 60. Create a Data Frame of 5 students with marks. Display only those students who scored more than 60.
 11. A company stores employee Name, Salary, and Department. Create a Data Frame with this data. Display the first 3 records.
 12. A shop has 5 products with their prices. Create a Data Frame to store product name and price. Find and display the average price.
 13. A school wants to assign pass/fail result to students. Create a Data Frame with Name and Marks. Add a new column "Result" based on marks (>40 Pass).
 14. A college stores data of students in a table. Create a Data Frame with at least 5 rows. Display the number of rows and columns in the Data Frame.
 15. A company keeps record of employee salaries. Create a DataFrame with employee names and salaries. Display the highest salary from the Data Frame.

Project:-

Title: Airline Passenger Data Analysis System

An USA based airline company wants to maintain and analyze passenger booking details using Python. Create a project using Pandas Series, Data Frame, and Data Visualization.

Your project should include the following tasks:

(A). Create Pandas Series for:

Passenger Names ,Destinations and Ticket Prices

(B) Create a DataFrame containing minimum 10 passenger records with the following fields:

Passenger Name , Flight Number ,Destination, Seat Class ,Ticket Price ,Travel Date

(C) Perform the following operations (Data Analysis)

Display first 5 records

Display last 3 records

Find average ticket price

Find highest ticket

Find lowest ticket price

Display passengers traveling to Delhi

Count total Economy class passengers

Count total Business class passengers

Find the most common destination

Display records where ticket price is greater than 8000

(D) Data Visualization

Create the following charts:

Bar Chart – Passenger Name vs Ticket Price

Pie Chart – Seat Class Distribution

Line Chart – Passenger Name vs Ticket Price

APPLIED MATHS (241)

- 1 In 1 km race, player P beats player Q by 18 m or 9 sec. What is P's time to complete the race?
(a) 500 sec (b) 491 sec (c) 509 sec (d) 502 sec
- 2 A man can row with a speed of 8 km/h in still water. If the speed of stream is 4 km/h, then the upstream speed of boat is
(a) 4 km/h (b) 5 km/h (c) 6 km/h (d) 2 km/h
- 3 The last digit of 12^{12} is
(a) 5 (b) 4 (c) 9 (d) 6
- 4 $-17 \pmod{4}$ is
(a) 3 (b) 2 (c) -2 (d) -1
- 5 Assertion (A): If $|x - 5| < 2$, $x \in R$ then $x \in [3, 7]$.
Reason (R) : $|x| < a$ iff $-a < x < a$.

Very Short Type Questions:

- 6 Two pipes P and Q can fill a tank in 60 minutes and 30 minutes respectively. Third pipe R

drains 5 litres of water per minutes. If all the three pipes are opened it took 2 hours to fill the tank. Find the capacity of tank.

- 7 From a container containing 50 litres of milk, 8 litres of milk was taken out and replaced by water. This process is repeated two or more times. How much milk is now left in the container?
- 8 Solve : $7 \leq \frac{3x+11}{2} \leq 11$.

Short Type Questions:

- 9 Milk and water in two vessel A and B are in the ratio 5 : 3 and 5 : 4 respectively. In what ratio the liquid of both the vessel be mixed to obtained a new mixture in which ratio of milk and water is 7 : 5 respectively?
- 10 Find the value of x, y, a and b if $\begin{bmatrix} 3x+4y & 6 & x-2y \\ a+b & 2a-b & -3 \end{bmatrix} = \begin{bmatrix} 2 & 6 & 4 \\ 5 & -5 & -3 \end{bmatrix}$.
- 11 Find the matrix X such that $\begin{bmatrix} 5 & 4 \\ 1 & 1 \end{bmatrix} X = \begin{bmatrix} 1 & -2 \\ 1 & 3 \end{bmatrix}$.

Long Type Questions:

- 12 If $A = \begin{bmatrix} 1 & 2 & 2 \\ 2 & 1 & x \\ -2 & 2 & -1 \end{bmatrix}$ is a matrix satisfying $AA' = 9I_3$, find x.
- 13 Express the matrix $\begin{bmatrix} 3 & 2 & 5 \\ 4 & 1 & 3 \\ 0 & 6 & 7 \end{bmatrix}$ as the sum of symmetric and skew-symmetric matrices.
- 14 If $39 \equiv 3 \pmod{7}$, find the set of value of x .

Case Study Based Questions:

15. Madhav is rowing a boat. He takes 3 h to row 24 km upstream, where as he takes 1.5h to go the same distance downstream.

Based on the above information, answer the following questions.

- I. What is his speed of boat in still water and the speed of stream?
- II. The stream is flowing at the speed of 4 km/h. If Madhav row a certain distance upstream in 2 h and return to the same place in 1 h then find the speed of Madhav's boat in still water.

1. Project work

- I) Predicting stock market crash
- II) Predicting the outcome of an election - exit poll
- III) Stock price movement

ENTREPRENEURSHIP (066)

Answer the following questions:

1. What is a business opportunity?
2. Before selecting an opportunity which two things an entrepreneur has to ensure?
3. List the five elements of a business opportunity
4. Draw and explain the Enterprise Process Diagram.
5. List the various sources which lead to the emergence of basic ideas.
6. What is the business plan?
7. How are business plans a decision-making tool?
8. Explain the formats of a business plan.
9. Explain operational plan.
10. Explain organisational plan.

Multiple Choice Questions:

11. Entrepreneurship is the process of:
 - A. Only earning profit
 - B. Starting and managing a business venture
 - C. Working under others
 - D. Avoiding risks
12. A person who starts and manages a business is called:
 - A. Manager
 - B. Investor
 - C. Entrepreneur
 - D. Employee
13. Which of the following is a key characteristic of an entrepreneur?
 - A. Fear of failure
 - B. Innovation
 - C. Laziness
 - D. Dependence on others
14. Entrepreneurship helps in:
 - A. Increasing unemployment
 - B. Economic development
 - C. Reducing production
 - D. Decreasing innovation
15. Which function of entrepreneurship involves combining resources effectively?
 - A. Innovation
 - B. Risk-taking
 - C. Organization
 - D. Selling

16. Investigatory Project

Prepare TWO projects on the following topics:

1. Business Plan
2. Market Survey