K.C. INTERNATIONAL SCHOOL
JALPURA, SECTOR-01, GREATER NOIDA WEST, G.B. NAGAR, 201306

SUMMER HOLIDAY ASSIGNMENT

CLASS: – 12ᵀᴴ – COMMERCE

1	ENGLISH	Prepare the project file on any one topic. **Child Labour** **Social Media** **Achievements of Indian Women** **Mental Health** **2-Read the drama 'On the Face of it'.Write the review and dialogue of it.** **3-Read the chapter 'Journey to the End of the Earth' and make PPT of the chapter.** **4-Revise the UT 1 syllabus.**
2	ACCOUNTANCY	<u>Assignment -1</u> 1. A and B were partners sharing profits & losses in the ratio of 5:3. On 1st April2014, their capital accounts showed balances of ` 3, 00,000 & `2, 00,000respectively. Calculate the amount of profit to be distributed between the partners if the partnership deed provided for interest on capital @ 10% per annum and the firm earned a profit of `45000 for the year ended 31st March2015.  2 . M and N are partners sharing profits & losses in the ratio of 2:3. On 1st April 2015, their capital accounts showed balances of ` 70,000 & `60,000respectively. The drawings of M & N during the year 2015-16 were `16,000 & 12,000 respectively. Both the amounts were withdrawn on 1st January 2016. It was subsequently found that the following items had been omitted while preparing final accounts for the year ended 31st March 2016. (a) Interest on capitals @6% p.a. (b) Interest on drawings @6% p.a. (c) M was entitled to a commission of `4,000 for the whole year.Show your workings clearly and pass necessary adjustment entry in the books of the firm.  3 . W, X and Y are partners sharing profits & losses in the ratio of 2:2:1. X was guaranteed a minimum profit of `10, 00,000. The firm earned a profit of `17,50,000 for the year ended 31st March 2021. Pass journal entries and prepare profit & loss appropriation a/c.  4. An existing firm had assets of `4,00,000 including cash of `15000. Its creditors amounted to `20000 on that date. The partners' capital account showed a balance of `300000 and reserves amounted to `80000. If the normal rate of return is 10% and the Goodwill of the firm is valued at `75000 at three years purchase of super profit find average profit of the firm.  5 .X, Y and Z are partners sharing profits & losses in the ratio of 5:4:1. It is now agreed that they will share futureprofits in the ratio of 3:3:4. Goodwill is valued at `1, 00,000. You are required to pass a single journal entry for the treatment of goodwill. 6 .A B and C are partners in firm manufacturing furniture. They have been sharing profit and losses in the ratio of 5:3:2. From 1st April 2017 they decided to share future profits & losses in the ratio of 2:5:3. Their

balance sheet shows a Debit balance of ` 4000 in profit and loss account; balance of `36000 in general reserve and a balance of `12000 in workmen's compensation reserve. It was agreed that—
(a) The Goodwill of the firm be valued at `76000.
(b) The stock (book value of `40,000) was to be depreciated by 8%.
(c)Creditors amounting to `900 were not likely to be claimed.
(d) Claim on account of workmen compensation amounted to `20,000.

7.. Anita and Sunita distribute profit in the ratio of 3: 2. On 1st April, 2019 their capitals were * 1,60,000 and * 1,20,000 respectively. Interest on capital is to be charged @ 6% per annum and Sunita has to be paid a yearly salary of 36,000. Their drawings during the year were 30,000 and 40,000 respectively. The profit of the year after deducting Sunita's salary was 43,800. Anita is also entitled to get 5% commission after charging such commission. Prepare profit and loss appropriation account and Partner's Capital Accounts.

   *Project Work:- (As per CBSE Guidelines)
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

SEQUENCE OF THE PROJECT
01. Front page: To be printed on glossy paper
02. Certificate: To be printed on glossy paper
03. Acknowledgement.
04. Contents/Index.
05. Prologue
06. Specific Problem 1: Analysis of Financial Statements of a Multinational Company
(a) Profile of the company
(b) Financial statements (Printed-last 3 years)
(c) Theory of Accounting Ratios.
(d) Calculation of Ratios, Conclusion, and diagrammatic presentation through Bar diagram.

07. Specific Problem 2: Cash Flow Statement
(a) Meaning of CFS and Cash equivalents,
(b) Types of activities i.e. operating, investing and financing.
(c) CFS of a Company
(d) Bar diagram showing opening cash balance, operating activity, investing activity, financing
activity and closing cash balance.
08. Bibliography

INSTRUCTIONS
1. Use A4 size plain or one side ruled paper only.

		2. Matter should be written on one side of the paper and Formats, flow charts etc. should be drawn on the flip side only. 3. Leave a margin of one inch on left side of the page for spiral binding. 4. Project should be neat and systematically presented. 5. Excessively colourful and adorned projects will not be accepted. 6. Only certificate and company's financial statements can be machine print outs but rest of the matter should be handwritten including the front page. Any other printed matter is unacceptable. 7. Financial statements of company should be of last three recent years.

3	BUSINESS STUDIES	1. Explain how management increases efficiency and helps in the development of society?
		
		 2. In your school, you observe that books are kept in office, chalks in the library and office records in the staff room.
		     (a) Which principle of management is violated here and why?
		     (b) How will that affect the achievement of school objectives?
		     (c) As a manager, what steps will you take to rectify the shortcomings?
		
		 3. The production manager of Harsh Ltd. instructs a salesman to go slow in selling the product, where the marketing manager is insisting on fast selling to achieve the target. Which principle of management is being violated in this case?
		
		 4. Radhika opens a jewellery showroom in Jaipur after completing a course in jewelry designing. She has employed eleven persons in her showroom. For greater productivity, she divides the work into small tasks and each employee is trained to perform his/her specialized job. The sales persons are allowed to close a deal with a buyer by giving a maximum of 10% discount, whereas the decision to give any further discount rests with Radhika as the final authority.In the earlier days of starting of the business, five of her employees were asked to put in extra hours of work. In return she had promised to give them a special incentive within a year. Therefore, after six months when the business was doing well, she awarded a cash bonus to each of these employees to honour her commitment.However, when it comes to setting the conflicts among her employees, she tends to be more biased towards her female employees. In context of the above case:
		 (a) Identify and explain the various principles of management that are being applied by Radhika by quoting lines from the paragraph.

(b) Identify and explain the principle of management which is being violated by Radhika by quoting lines from the paragraph.

(c) State any one effect of the violation of the principle of management by Radhika as identified in part (b) of the question.

5. List any two social objectives of business?

6. How does coordination ensure unity of action?

7. Coordination is the essence of management. Explain.

8. Isheeta Mukherjee has recently joined AMV ltd, a company manufacturing refrigerators. He found that his department was understaffed and other departments were not cooperating with his department for smooth functioning of the organisation. Therefore, he ensured that his department has the required number of employees and its cooperation with other departments is improved.

(a) Identify the level at which Isheeta Mukherjee is working?

(b) Also, state three more functions to be performed by Isheeta Mukherjee at this level?

9. "Management is regarded as fully developed profession".Do you agree? Give reasons.

10. Why did Fayol introduced the concept of Gang plank in the principle of scalar chain?

CBSE Project work(As per CBSE Guidelines)

Topic-1: principle of management

Topic -2 Stock Exchange

Topic -3 Marketing management (select any one product)

Topic-4 Business Environment

Following essentials are required to be fulfilled for its preparation and submission.

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 sequenceCover 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).** • **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** • **Teacher's observation.** • **Signatures of the teachers.** • **At the completion of the evaluation of the project, it should be punched in the centre so that the report may not be reused but is available for reference only.** • **The project will be returned after evaluation. The school may keep the best projects.**
4	**ECONOMICS**	**Assignment 1-** **Identify between capital goods and consumer goods and justify your answer:-** • **Paper purchased by a publisher** • **Sewing machine purchased by a tailor** • **Sewing machine purchased by a household** • **Purchase of rice by a grocery shop** • **Purchase of an air conditioner for use in a shop** **Assignment 2-** **Make a project on Reserve Bank of India along with monetary policy .** **Assignment 3-** **Classify the given terms into stock and flow and justify your answer –** • **Production of wheat by a farmer .** • **Quantity of potatoes kept in a cold storage** • **Distance from Agra to Jaipur** • **Speed of a truck going to Gujrat to west bengal .** • **Sale of cloths by a shopkeeper** **Assignment 4-** **Make a report on the situation of Indian economy at the eve of independence how it affected economic development of the country and what steps were taken to resolve economic issues at that time .** **Assignment 5-**

Make a report on latest government budget presented by central government along with its affects on the economic development of the country.

(Do any two out of five)

▪ **Project work (As per CBSE guidelines)**

➢ **Marking scheme:**

S. N	Topic	Marking scheme
1	Relevance of the topic	3
2	Knowledge Content/Research Work	6
3	Presentation Technique	3
4	Viva voice	8
5	Total	20

➢ **Guidelines: -**

1. Students should complete only ONE project during each academic session.
2. The project should be approximately 3,500-4,000 words in length (excluding diagrams and graphs), preferably handwritten.
3. The project should be an independent and self-directed study.
4. Choose a title or topic for the project.
5. Collect research materials and data related to the topic.
6. Organize the collected materials and data.
7. Present the materials and data in a clear and structured manner.
8. Analyze the materials and data to draw relevant conclusions.
9. Present the conclusions effectively.

➢ **Sequence of the project: -**

1. Introduction of the topic/title.
2. Acknowledgement
3. Certificate
4. Index
5. Main content
6. Proper citation of the preferred materials in footnotes, resources section, bibliography, etc.

➢ **INSTRUCTIONS:**
1. Use an A4 size plain or one side ruled paper only.
2. Matter should be written on one side of the paper and Formats, flow charts etc. should be drawn on the flip side only.
3. Leave a margin of one inch on left side of the page for spiral binding.
4. Project should be neat and systematically presented.
5. Excessively colorful and adorned projects will not be accepted.

(Note- Revise your UT syllabus)

5	**MATHS**	**1- Find the area of the triangle whose vertices are (3, 8), (– 4, 2) and (5,-3)** **2- solve the system of equations :** **x + y + z = 6,** **x + 2z = 7,** **3x + y + z = 12** **3- The monthly incomes of Aryan and Babban are in the ratio 3 : 4 and their monthly expenditures are in the ratio of 5 : 7. If each saves ? 15,000 per month, find their monthly incomes, using the matrix method.** **4- solve the system of equations** **2x+3y+10z=2** **4x-6y+5z=5** **6x+9y-20z=-4** **5- The total cost C(x) associated with the production of x units of an item is given by C(x) = 0.005x3 – 0.02x2 + 30x + 5000. Find the marginal cost when 3 units are produced, where by marginal cost we mean the instantaneous rate of change of total cost at any level of output.** **6- f(x) = x + 1, find d/dx (fof) (x).** **7- The cost of 4 kg onion, 3 kg wheat and 2 kg rice is Rs 60. The cost of 2 kg onion, 4 kg wheat and 6 kg rice is Rs 90. The cost of 6 kg onion 2 kg wheat and 3 kg rice is Rs 70. Find the cost of each item per kg by matrix method.** **8- Find the Derivative of these function!** **1-Sin2x Sin3X Sin4x** **2-(logx)^log(x)** **3- x^y+y^x=1** **4- (Sinx)^tanx** **5- cos3x cos5x** **6- logx+x^x** **7- log(logx)+logx^logx** **8- logx cosx sinx** **Q9. CBSE Activity (03 marks)**

Activity 1

METHOD OF CONSTRUCTION

Take a piece of plywood and paste a white paper on it. Fix the wires randomly on the plywood with the help of nails such that some of them are parallel, some are perpendicular to each other and some are inclined as shown in Fig.1.
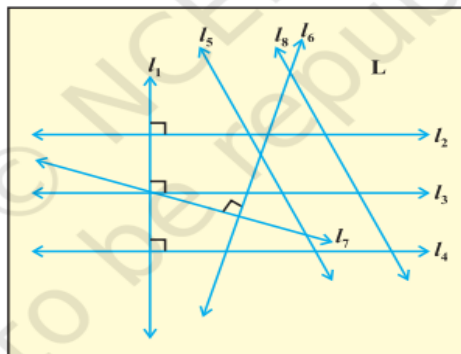

Fig. 1

DEMONSTRATION

1. Let the wires represent the lines $l_1, l_2, ..., l_8$.

2. l_1 is perpendicular to each of the lines l_2, l_3, l_4. [see Fig. 1]

3. l_6 is perpendicular to l_7.

4. l_2 is parallel to l_3, l_3 is parallel to l_4 and l_5 is parallel to l_8.

5. $(l_1, l_2), (l_1, l_3), (l_1, l_4), (l_6, l_7) \in R$

OBSERVATION

1. In Fig. 1, no line is perpendicular to itself, so the relation $R = \{(l, m) : l \perp m\}$ _____ reflexive (is/is not).

2. In Fig. 1, $l_1 \perp l_2$. Is $l_2 \perp l_1$? _____ (Yes/No)

   ∴ $(l_1, l_2) \in R \Rightarrow (l_2, l_1)$ _____ R ($\notin/\in$)

   Similarly, $l_3 \perp l_1$. Is $l_1 \perp l_3$? _____ (Yes/No)

   ∴ $(l_3, l_1) \in R \Rightarrow (l_1, l_3)$ _____ R ($\notin/\in$)

   Also, $l_6 \perp l_7$. Is $l_7 \perp l_6$? _____ (Yes/No)

   ∴ $(l_6, l_7) \in R \Rightarrow (l_7, l_6)$ _____ R ($\notin/\in$)

   ∴ The relation R .... symmetric (is/is not)

3. In Fig. 1, $l_2 \perp l_1$ and $l_1 \perp l_3$. Is $l_2 \perp l_3$? ... (Yes/No)

   i.e., $(l_2, l_1) \in R$ and $(l_1, l_3) \in R \Rightarrow (l_2, l_3)$ _____ R ($\notin/\in$)

   ∴ The relation R .... transitive (is/is not).

APPLICATION

This activity can be used to check whether a given relation is an equivalence relation or not.

NOTE

1. In this case, the relation is not an equivalence relation.

2. The activity can be repeated by taking some more wire in different positions.

Activity 2

OBJECTIVE

To verify that the relation R in the set L of all lines in a plane, defined by $R = \{(l, m) : l \parallel m\}$ is an equivalence relation.

MATERIAL REQUIRED

A piece of plywood, some pieces of wire (8), plywood, nails, white paper, glue.

METHOD OF CONSTRUCTION

Take a piece of plywood of convenient size and paste a white paper on it. Fix the wires randomly on the plywood with the help of nails such that some of them are parallel, some are perpendicular to each other and some are inclined as shown in Fig. 2.
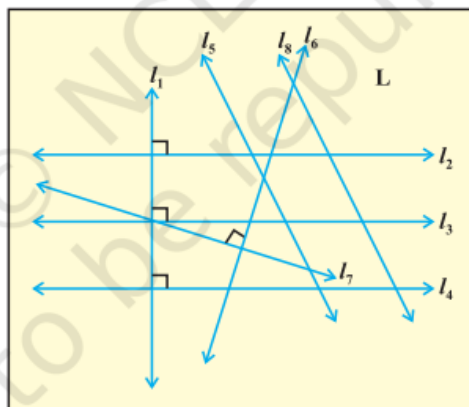

Fig. 2

DEMONSTRATION

1. Let the wires represent the lines $l_1, l_2, ..., l_8$.

2. l_1 is perpendicular to each of the lines l_2, l_3, l_4 (see Fig. 2).

3. l_6 is perpendicular to l_7.

4. l_2 is parallel to l_3, l_3 is parallel to l_4 and l_5 is parallel to l_8.

5. $(l_2, l_3), (l_3, l_4), (l_5, l_8), \in R$

OBSERVATION

1. In Fig. 2, every line is parallel to itself. So the relation $R = \{(l, m) : l \| m\}$ .... reflexive relation (is/is not)

2. In Fig. 2, observe that $l_2 \| l_3$. Is $l_3 \ldots l_2$? ($\not\|$ / $\|$)

   So, $(l_2, l_3) \in$ $R \Rightarrow (l_3, l_2) \ldots R$ ($\notin$/$\in$)

   Similarly, $l_3 \| l_4$. Is $l_4 \ldots l_3$? ($\not\|$/ $\|$)

   So, $(l_3, l_4) \in$ $R \Rightarrow (l_4, l_3) \ldots R$ ($\notin$/$\in$)

   and $(l_5, l_8) \in$ $R \Rightarrow (l_8, l_5) \ldots R$ ($\notin$/$\in$)

∴ The relation R ... symmetric relation (is/is not)

3. In Fig. 2, observe that $l_2 \| l_3$ and $l_3 \| l_4$. Is $l_2 \ldots l_4$? ($\|$ / $\|$)

   So, $(l_2, l_3) \in R$ and $(l_3, l_4) \in R \Rightarrow (l_2, l_4) \ldots R$ ($\in$/$\notin$)

   Similarly, $l_3 \| l_4$ and $l_4 \| l_2$. Is $l_3 \ldots l_2$? ($\not\|$/ $\|$)

   So, $(l_3, l_4) \in R, (l_4, l_2) \in R \Rightarrow (l_3, l_2) \ldots R$ ($\in$,$\notin$)

Thus, the relation R ... transitive relation (is/is not)

Hence, the relation R is reflexive, symmetric and transitive. So, R is an equivalence relation.

APPLICATION

	NOTE
This activity is useful in understanding the concept of an equivalence relation.	This activity can be repeated by taking some more wires in different positions.

The image of the element 3 of X in Y is _____.

So, Fig. 3.3 represents a _____ .

2. Every element in X has a _____ image in Y. So, the function is _____(one-one/not one-one).

3. The pre-image of each element of Y in X _____ (exists/does not exist). So, the function is _____ (onto/not onto).

APPLICATION

	NOTE
This activity can be used to demonstrate the concept of one-one and onto function.	Demonstrate the same activity by changing the number of the elements of the sets X and Y.

| 6 | COMPUTER SCIENCE | **PYTHON–REVISIONTOUR**

1. What is the output of the following?
```
x = ['ab', 'cd']
for i in x:
i.upper()
print(x)
```
a) ['ab', 'cd'].   b) ['AB', 'CD'].   c) [None, None].   d) none of the mentioned

2. What is the output of the following?
```
x = ['ab', 'cd']
for i in x:
x.append(i.upper())
print(x)
```
a) ['AB', 'CD'].   b) ['ab', 'cd', 'AB', 'CD'].   c) ['ab', 'cd'].   d) none of the mentioned

3. What is the output of the following?
```
i = 1
while True:
 if i%3 == 0:
 break
 print(i)
i + = 1
```
a) 1 2   b) 1 2 3   c) error   d) none of the mentioned

4. What is the output of the following?
```
i = 1
while True:
 if i%0O7 == 0:
 break
 print(i)
i += 1
```
a) 1 2 3 4 5 6   b) 1 2 3 4 5 6 7   c) error   d) none of the mentioned

5. What is the output of the following?
```
i = 5
while True:
 if i%0O11 == 0:
 break
 print(i)
i += 1
```
a) 5 6 7 8 9 10   b) 5 6 7 8   c) 5 6   d) error |

6. What is the output of the following?
```
i = 5
while True:
 if i%0O9 == 0:
 break
 print(i)
i += 1
```
a) 5 6 7 8   b) 5 6 7 8 9   c) 5 6 7 8 9 10 11 12 13 14
15 ….d) error

7. What is the output of the following?
```
i = 1
while True:
 if i%2 == 0:
 break
 print(i)
i += 2
```
a) 1   b) 1 2   c) 1 2 3 4 5 6 …   d) 1 3 5 7 9 11
…

8. What is the output of the following?
```
i = 2
while True:
 if i%3 == 0:
 break
 print(i)
i += 2
```
a) 2 4 6 8 10 …   b) 2 4   c) 2 3   d) error

9. What is the output of the following?
```
i = 1
Page No
6
while False:
 if i%2 == 0:
 break
 print(i)
i += 2
```
a) 1   b) 1 3 5 7 …   c) 1 2 3 4 …   d) none of the
mentioned

10. What is the output of the following?
```
True = False
while True:
print(True)
```

break
a) True   b) False   c) None   d) none of the mentioned

BASED ON CHAPTER – 2 (FUNCTIONS)

1. Which of the following is the use of function in python?
a) Functions are reusable pieces of programs
b) Functions don't provide better modularity for your application
c) you can't also create your own functions
d) All of the mentioned

2. Which keyword is use for function?
a) Fun   b) Define   c) Defd) Function

3. What is the output of the below program?
```
def sayHello():
print('Hello World!')
sayHello()
sayHello()
```
a) Hello World!
Hello World!
b) 'Hello World!'
'Hello World!'
c) Hello
Hello
d) None of the mentioned

4. What is the output of the below program?
```
def printMax(a, b):
 if a > b:
print(a, 'is maximum')
elif a == b:
print(a, 'is equal to', b)
 else:
Page No 21
print(b, 'is maximum')
printMax(3, 4)
```
a) 3   b) 4
c) 4 is maximum   d) None of the mentioned

5. What is the output of the below program ?
```
x = 50
def func(x):
```

```
print('x is', x)
 x = 2
print('Changed local x to', x)
func(x)
print('x is now', x)
```
a) x is now 50   b) x is now 2   c) x is now 100   d)
None of the mentioned

6. What is the output of the below program?
```
x = 50
def func():
 global x
print('x is', x)
 x = 2
print('Changed global x to', x)
func()
print('Value of x is', x)
```
a) x is 50
Changed global x to 2
Value of x is 50
b) x is 50
Changed global x to 2
Value of x is 2
c) x is 50
Changed global x to 50
Value of x is 50
d) None of the mentioned

7. What is the output of below program?
```
def say(message, times = 1):
print(message * times)
say('Hello')
say('World', 5)
```
a) Hello
WorldWorldWorldWorldWorld
b) Hello
World 5
c) Hello
World,World,World,World,World
d) Hello
HelloHelloHelloHelloHello

8. What is the output of the below program?
```
def func(a, b=5, c=10):
print('a is', a, 'and b is', b, 'and c is', c)
func(3, 7)
```

| | | func(25, c = 24)
func(c = 50, a = 100)
a) a is 7 and b is 3 and c is 10
a is 25 and b is 5 and c is 24
a is 5 and b is 100 and c is 50
b) a is 3 and b is 7 and c is 10
a is 5 and b is 25 and c is 24
a is 50 and b is 100 and c is 5
c) a is 3 and b is 7 and c is 10
a is 25 and b is 5 and c is 24
a is 100 and b is 5 and c is 50
d) None of the mentioned

9. What is the output of below program?
def maximum(x, y):
 if x > y:
 return x
elif x == y:
 return 'The numbers are equal'
 else:
 return y
print(maximum(2, 3))
a) 2   b) 3
c) The numbers are equal   d) None of the mentioned

10. Which of the following is a features of DocString?
a) Provide a convenient way of associating documentation with Python modules,
functions, classes, and methods
b) All functions should have a docstring
c) Docstrings can be accessed by the __doc__ attribute on objects
d) All of the above

Q3. Complete Programs in your Practical file (CBSE Practical file – 07 Marks).

Q4. Complete Frontend of your Project. Project should be according to CBSE Syllabus. Ex-Pizza café management system, Hospital Management System etc (CBSE Project – 08 Marks) |
| 7 | PHYSICAL EDUCATION | Complete the following questions in your Notebook:-
Q. 1 Draw a fixture of 6teams on a League basis following the cyclic method.
Q. 2 Name five functions of sports event management body. |

Q. 3 Draw a knockout picture of 25 teams with all the steps involved.
Q. 4 Write the importance of organising sports day.
Q. 5 Write any two postural deformities and their corrective measures.

CBSE Project file:

- **Complete the Physical Fitness Test: SAI Khelo India Test, Brockport Physical Fitness Test (BPFT)* in your Practical file**

REVISION OF UT-1/PT-2 SYLLABUS (2024-25)

1	Accountancy	Ch-1 Accounting for Partnership Firm – Fundamental Ch-2 Goodwill: Nature and Valuation Ch-3 Change in Profit -Sharing Ratio. Ch-4 Admission of a Partner Ch-5Retirement of a Partner
2	Business studies	**Ch-1 Nature ans significant of management** **Ch-2 principles of Management** **Ch-3 Business Environment** **Ch-4 planning**
3	Economics	****Book-1(Introduction of macroeconomics)** **Unit -1** **Basic concepts of macroeconomics,** **Unit-2** **Money and banking** ***Book-2 (Indian Economic development)** **Unit-6** **Indian economy at the eve of independence** **Economic planning**
4	English	**(1) The Last lesson** **(2)My mother at sixty six** **(3) Third level** **(4) Notice writing**
5	Maths	**1- Matrices** **2- Determinant**
6	Computer Science	**Chapter - 1 Revision Tour of Python** **Chapter - 2 Functions** **Chapter - 3 Error Handling**
7	Phy. Education	**Unit: 1 Planning in sports** **Unit: 2 Children & Woman in sports** **Unit:3 Yoga as prevention measure for lifestyle disease**

NOTE: - School will re-open on 1st – July- 2024