NOTE: Attempt the following Literature question- answers in your registers.

Q1. Draw a comparison between village school education and city school education.

Q2. Life is transitory as it offers several joyous and distressing moments in life. The poem ‘A Photograph’ is an evident example of the same. Justify.

Q3. Write down the central idea of the poem which revolves around the three different stages of life.

Q4. The opening lines of the poem ‘A Photograph’ describe three young girls on a holiday. Holidays are obviously time for destressing and enjoying one’s leisure. Write an article in about 120 words on the need for holidays in modern stressful times.

Q5. Mourad said, “I have a way with horse”. Do you agree? Give an example to prove your point.

NOTE: Attempt the following writing skills topics in Grammar register as per the given word limit. Follow the appropriate format for all topics.

Q6 Notice Writing topics- (50 words)
   - A trip to a historical place for class XII students.
   - Inviting original entries for E- Newsletter.

Q7. Formal Letter Writing topics- (120-150 words)
   - Placing order for cotton masks for Max Hospital.
   - Enquiry letter for short Computer Programming Course.
   - Complaint letter for malfunctioning of newly bought television.

Q8. Article Writing Topics- (200 words)
   - Women Empowerment
   - Child Labour
   - Diminishing Moral Values in Teens

Q9. Speech Writing Topics- (200 words)
   - Role of students in National development
   - Books are the treasure house of knowledge

Q10. Report Writing Topics- (200 words)
    - Cleanliness Drive report for the school magazine
    - Annual Extravaganza report for the school magazine

Q11. Prepare a Poster to thank the Health Warriors during the Pandemic period.

Q12. Draft a poster to be issued by the Ministry of Health in public interest sensitizing people against the dangers of COVID-19.

Q13. Write an advertisement to be published in the classified column of a newspaper about giving your house on rent. (within 50 words)

Q14. Write an advertisement for a newspaper seeking a suitable match for your sister. (within 50 words)

Q15. Give two examples each of the following figures of speech:

   - Alliteration
   - Metaphor
   - Simile
   - Enjambment
   - Oxymoron

PROJECT WORK (SUBJECT ENRICHMENT ACTIVITY) Prepare a PPT on any one of the topics given below: (8-10 slides)
   - The Laburnum Top (poem)
   - Ranga’s Marriage (Snapshots)
PHYSICS

INSTRUCTION.

- Holiday homework has to be done in physics notebook
- Timely submission is mandatory for all
- Internal assessment mark will be given on the basis of holiday homework
- Use of Thermocol is not allowed in project work
- Two student can make one project

1 - (a) The displacement of oscillation is wrongly given by y(x,t) = Asin (vt), where v is velocity and t is time. What is wrong with the equation dimensionally?

(b) When a particle moves with very high speed (comparable to the speed of light), its mass as written by a student is m = m_0 / (1 - v^2), where m_0 is rest mass and v is its velocity. The equation is missing a term c, speed of light. Where should it be placed to make the equation dimensionally correct? Explain.

2 - In successive measurements, the readings of the period of oscillation of a simple pendulum was found to be 2.63 s, 2.56 s, 2.42 s, 2.71 s and 2.80 s in an experiment. Calculate (i) mean value of the period of oscillation (ii) absolute error in each measurement, (iii) mean absolute error, (iv) relative error and (v) percentage error.

3 - Two resistors of resistance R_1 = (100 ± 3) ohm and R_2 = (200 ± 4) ohm are connected (a) in series and (b) in parallel. Find the equivalent resistance of series and parallel.

4 - Find the dimension of the quantity v in the equation v = {πP(a^2 - x^2)} / (2ηL) where, a is the radius and L length of the tube in which the fluid of coefficient of viscosity η is flowing, x is the distance from the axis and P is the pressure difference.

5 - The period of vibration of a tuning fork depends on the length L of its prong, density d and Young’s modulus Y of the material. Deduce an expression for the period of vibration on the basis of dimension.

6 - The critical angular velocity ω_c of a cylinder inside another cylinder containing a liquid at which its turbulence occurs depends on viscosity η, density ρ and the distance d between the walls of the cylinder. Find an expression for ω_c using the methods of dimension.

7 - What is the difference between A_o and A.U.?

8 - Define S.I. unit of solid angle?

9 - Name physical quantities whose units are electron volt and pascal?

10 - A radar signal is beamed towards a planet from the earth and its echo is received seven minutes later. Calculate the velocity of the signal, if the distance between the planet and the earth is 6.3x10^{10}m?

11 - Find the dimensions of latent heat and specific heat?

12 - E, m, L and G denote energy, mass, angular momentum and gravitational constant respectively. Determine the dimensions of EL^2 / m^5G^2

13 - (a) State which of the following are dimensionally current

(i) Pressure = Energy per unit volume
(ii) Pressure = Momentum × volume × time

14 - The density of cylindrical rod was measured by the formula m = 4m/πPD^2l The percentage in m, D and l are 1%, 1.5% and 0.5%. Calculate the % error in the calculated value of density?

15 - Prepare a project on advance communication system using artificial intelligence. Project carries a working model along with project file.
CHEMISTRY

Q1. Do the following questions in classwork notebook of chemistry.

1) Express the results of following calculations to appropriate number of significant digits 816 + 0.02456 + 215.36.
2) How many moles of methane are required to produce 22 g CO\(_2\)?
3) Find the number of significant figures in 3.248x10\(^{-3}\).
4) Empirical formula of an organic compound is C\(_2\)H\(_3\)O\(_2\). Its molecular weight is 118. Write its molecular formula.
5) Find the molarity of solution prepared by dissolving 7.1g of Na\(_2\)SO\(_4\) in 100ml of aqueous solution.
6) A solution is prepared by dissolving 5.85g of NaCl in 90g of H\(_2\)O. Find mole fraction of NaCl and H\(_2\)O.
7) What is the mass of 3 gram atoms of calcium?
8) Calculate the mass of CaCO\(_3\) which is required to react with 25 ml of 0.75 M HCl.
9) On complete combustion 0.858 g of compound (x) gives 2.63 g of CO\(_2\) and 1.27g of H\(_2\)O. Calculate the empirical formula of the compound.
10) What is the mass in grams of one molecule of caffeine (C\(_8\)H\(_{10}\)N\(_4\)O\(_2\))?
11) Zinc and HCl react according to the following reaction: Zn + HCl → ZnCl\(_2\) + H\(_2\). If 0.8 mol of Zn is added to HCl containing 0.62 mol of HCl, how many moles of hydrogen are produced? What is the limiting reagent?
12) Carbon and oxygen are known to form two compounds. The carbon content in one of these is 42.9% while in the other it is 27.3%. Show that this data is in agreement with the law of multiple proportions.
13) Calculate the molarity of a solution of ethanol in water in which the mole Fraction of ethanol is 0.040.
14) Calculate the number of atoms in each of the following: (a) 3.2 g of sulphur (b) 0.5 mole atoms of nitrogen.
15) A fluoride of oxygen was prepared by mixing oxygen and fluorine in the proper ratio at 60K. This compound contains 32.1 % F and 67.9 % O. What is the empirical formula of the compound?

Q2. Use A4 size coloured pages one side blank and one side ruled to write your project(already selected) which should include the following headings:

First page(includes name class board roll no, subject, aim), Acknowledgement, Certificate, Index, Introduction (of the topic), Aim, Material required, Chemical required, Theory, Procedure, observation (table/pie-chart/bar graph/readings: to be done on left side of page), Result, Conclusion and Bibliography. (If any pictures to be pasted : paste them on left side of page)

SUBJECT: MATHEMATICS

Q:1 in a class of 60 students, 25 plays cricket and 20 play tennis , and 10 students play both games. Find the number of students who play neither?
Q:2 A survey shows 63% of the people watch a News Channel whereas 76% watch another channel. If x% of the people watch both channel , then find x
Q:3 If A = \{ 1,3,5,7,9,11,13,15,17 \}, B = \{ 2,4,6,……,18 \} and N the set of natural numbers is the universal set , then find A \cup ( A \cup B ) \cap B'
Q:4 Two finite sets have m and n elements respectively. The total number of subsets of first set is 56 more than the total number of subsets of the second set, Find the values of m and n respectively

Q:5 Write the properties of complement of a set

Q:6 Draw venn diagram of \((A \cup B)' = A' \cap B'\)

Q:7 From 50 students taking examination In Mathematics, Physic, Chemistry, each student has passed in at least one of the subject 37 passed in Mathematics 43 Chemistry, 24 Physic. At most 19 passed Mathematics and Physics, at most 29 Mathematics and Chemistry and almost 20 Physics and Chemistry. What is the the largest possible number that could have passed all the three examination

Q:8 If \(U = \{0,1,2,3,4,5,6,7\}\), \(A = \{2,5,7\}\), \(B = \{0,2,3,7\}\) and \(C = \{0,3,4,6\}\), form the following sets
(i) \((A \cup B)'\)
(ii) \(A - C\)
(iii) \(A \cap (B \cup C)\)

Q:9 If \(U = \{0,1,2,3,4,5,6,7\}\), \(A = \{2,5,7\}\), \(B = \{0,2,3,7\}\) and \(C = \{0,3,4,6\}\), then verify
\(n(A \cup B \cup C) = n(A) + n(B) + n(C) - n(A \cap B) - n(B \cap C) - n(C \cap A) + n(A \cap B \cap C)\)

Q:10 Out of 500 car investigated, 400 owned car A and 200 owned car B, 50 owned both A and B. Is data correct?

Q:11 In a class of 25 students, 12 have taken Mathematics, 8 have taken Mathematics but not Biology. I teach student has taken atleast one subject, find the number of students who have taken
(a) Biology but not Mathematics
(b) both Mathematics and Biology

Q:12 A and B are two sets such that \(n(A - B) = 14 + x\), \(n(B - A) = 3x\) and \(n(A \cap B) = x\). Draw a venn diagram to illustrate this, If \(n(A) = n(B)\); find
(i) the value of x
(ii) \(n(A \cup B)\)

Q:13 In an examination, 80% passed in Maths, 72% passed in science and 13% failed in both. If 312 students passed in both, find the total number of students who appeared in the examination

Q:14 In a town of 10000 families, it was found that 40% families buy newspaper A, 20% families buy newspaper Band 10% families buy newspaper C, 5% families buy A and B 3% families buy B and C and 4% A and C. If 2% buy all the three newspaper, find the number of families which buys
(i) A only
(ii) B only
(iii) none of A, B and C

Q:15 In a group of 65 people, 40 like cricket, 10 like both cricket and tennis. How many like tennis only not cricket? How many like tennis?

PROJECT WORK:
IN THE ACTIVITY FILE WRITE THE ACTIVITY TO FIND NUMBER OF SUBSETS OF A SET

BIOLOGY

Answer the following questions in home assignment notebook

Q.1 How many salivary glands are present in man? Name them.

Q.2 Bile juice has no digestive enzymes, yet it is important for digestion. Give reason.

Q.3 How would it affect the digestion of proteins, if there is a blockage in the pancreatic duct?

Q.4 Name and mention the function of each of the three major kinds of cells in the gastric glands.

Q.5 In which part of the alimentary canal major absorption of digested food takes place? What are the absorbed forms of different kinds of food materials?

Q.6 What is PEM? Mention its two forms. Bring out two major differences between them.

Q.7 Describe the process of digestion of carbohydrates in human alimentary canal.

Q.8 What is meant by (a) diphyodont and (b) heterodont dentition in humans?

Q.9 How do chylomicrons differ from micelles?
Q.10 Mention the two important functions performed by large intestine.
Q.11 (a) What is vomiting?
(b) Name the part of the brain that controls this reflex action.
(c) What term is given to the feeling that precedes vomiting?
Q.12 Distinguish between constipation and indigestion. Mention their major causes.
Q.13 Differentiate between Kwashiorkar and marasmus, the two forms of PEM.
Q.14 Draw a diagram of human digestive system. Label three glands associated with it and five other major parts.
Q.15 Make a project on any one global pandemic disease. It is preferred to use A4 size sheet to prepare your project, however, if the same is not available you may use any other sheet.

**COMPUTER SCIENCE**

Answer the following questions in your Class Notebook -
1. Define the term Computational Thinking.
2. Write any four features of Python.
3. Write any four application areas of Python.
4. What is a text editor. Name any two text editors.
5. What is an interpreter?
6. What is IDLE? What are the two modes of working with IDLE?
7. What is print() in Python?
8. Name the keyword arguments of print() function.
9. What is a data type? What are the fundamental data types in Python?
10. Identify the data types of the following data objects:
    (i) 7  (ii) '7'  (iii) "7"  (iv) 7.0  (v) "7"  (vi) -0.7  (vii) -29  (viii) -15.38
    (ix) "29 acres"  (x) ". & #"
11. Find outputs of the following commands in Python:
    (i) print("Hello")  (ii) print(2+3,34-67)  (iii) print("2+3",2+3)
    (iv) print(2+3,2+3,sep="=")  (v) print(2**3,2**3,sep=", ")
12. Find error(s), if any, in the following statements:
    (i) print("three")  (ii) Print(3)  (iii) print(44+'56)
    (iv) print(3,2 sep="")
    (v) print "wisdom"  (vi) print['33+44']
13. What are unary operators and binary operators? Give two examples of each.
14. What is the operator precedence of arithmetic operators in Python?
15. Evaluate the following expressions manually:
    (i) (2 + 3) ** 3 - 6 / 2  (ii) (2 + 3) * 5/4+(4 + 6)/ 2  (iii) 12 + (3 * 4 - 6) / 3
    (iv) 12 + (3 * 4 - 6)/ 2  (v) 12 * 3 % 5 + 2 * 6/4  (vi) 12 % 5 *3 +(2*6)/4

**GENERAL INSTRUCTIONS:-**
1. Use A-4 size coloured sheets.
2. Coloured pens can be used
3. Pile up your all work in a file.
4. Internal assessment marks will be given based on this work.
5. Relevant Pictures should be pasted in each work.

**Q.1 YOGA**
- Meaning & Importance of Yoga
- Elements of Yoga
- Introduction - Asanas, Pranayama, Meditation & Yogic Kriyas
- Yoga for concentration & related Asanas (Sukhasana; Tadasana; Padmasana &

---

5 | Page
• Shashankasana, Naukasana, Vrikshasana (Tree pose), Garudasana (Eagle pose)
• Relaxation Techniques for improving concentration – Yog-nidra

Q.2 GAMES AND SPORTS
• Meaning and types of games and sports
• Introduction of any 5 Indian sports personalities
• Table of year and venues of modern Olympics from 1896 to 2028

Q.3 HEALTH AND FITNESS
• Meaning of fitness and wellness
• Meaning of nutrients and nutrition
• Components of balanced diet
• Prepare a diet plan of an adolescent

Q.4. SYLLABUS COVERED
• Learn all the covered chapters.
• Complete your notebook as well.

PSYCHOLOGY

Copy the notes of Unit 2 that have been sent in pdf format on the official group.

1. Answer all the NCERT questions in your assignment registers of Unit 1 and 2.
2. Prepare a project (using hardboard, charts, thermocol sheet or any reusable resource in your home) on any one of the following topics. For better presentation refer to your NCERT Psychology.
   a. Schools of psychology
   b. Structure of brain
   c. Structure of human ear or eye.
   d. Human endocrine system
   e. Different stages of development with key features / milestones.
   f. Parenting style

3. Conduct an online survey using a Google sheet form to understand the impact of C-19 on the mental health of people. Questions can be open-ended or close ended. Sample size of 50. Analyze the results and conclude it as well.
   For e.g:-
   1. When was the last time you saw someone other than you family member?
      a. Yesterday
      b. Two days back
      c. A week ago
      d. A month ago
   2. How many times in a day you feel frustrated or bored?
      a. 0 to 5
      b. 5 to 10
      c. 10 to 15
      d. all the time

BUSINESS STUDIES

INSTRUCTIONS FOR TASK - 1:
• Read all the project details thoroughly.
• Select any one project and prepare.
• Use simple ruled/ plain sheets only. Do not use fancy, designer, handmade sheets, or any other sparkly material. Restrict yourself from using expensive decorative material.
• Your project must look like a business presentation. Use your creativity to enhance the look of the project like colour combinations, borders etc.
• Submit your project in a cobra file only. NO plastic folder or file should be used.
• Project work will carry 10 marks in internal assessment.

**Project: Case Study on a Product**

Take a product having seasonal growth and regular demand. For example,

- Apples from Himachal Pradesh, Kashmir.
- Oranges from Nagpur,
- Mangoes from Maharashtra/U.P./Bihar/Andhra Pradesh etc.
- Strawberries from Panchgani,
- Aloe vera from Rajasthan,
- Walnuts/almonds from Kashmir,
- Jackfruit from South,
- Guavas from Allahabad,
- Pineapples from North East India,
- Tea from Assam,
- Orchids from Sikkim and Meghalaya,
- Pottery of Manipur,
- Fishes from coastal areas.

Develop the Case Study on the following lines:

(i) Give the basic information about the product.
(ii) Give reason as to why you selected this product.
(iii) Research for change in price of the product. For example, apples in Himachal Pradesh during plucking and non-plucking season.
(iv) Effect on prices in the absence of effective transport system.
(v) Effect on prices in the absence of suitable warehouse facilities.
(vi) Duties performed by the warehouses.
(vii) Demand and supply situation of the product during harvesting season, prices near the place of origin and away.

Find out the importance of producing and selling these products and their processed items along with the roles of Transport, Warehousing, Advertising, Banking, Insurance, Packaging, Wholesale selling, Retailing, Co-operative farming, Co-operative marketing etc.

**INSTRUCTIONS FOR TASK - 2:**

- Do the following questions in your Business Studies Assignment Note-book.
- Use only blue pen.
- Write one question and then its answer. Do not write all the questions first.
- Read chapter 1 and 2 from your NCERT book.
- HHW will carry 5 marks in internal assessment

1. Define business.
2. Explain the characteristics of business.
3. What is the role of profit in business?
4. How are business activities classified? Draw the table.
5. Explain primary activities by giving suitable examples. Paste related pictures.
6. Describe secondary activities along with its types and sub-types. Paste related pictures to support your answer.
7. What are tertiary activities? Name all of them.
8. Define trade.
9. Classify trade and explain each of its type and sub-type. Paste related pictures.
10. What is risk?
11. What are the types of risk?
13. Give one suitable example of Business. Explain it in 80-100 words. Use 5 pictures associated with it. For example, Mc. Donald’s. (It is an example. Use some other business of your choice.)
14. Give one suitable example of Profession. Explain it in 80-100 words. Use 5 pictures associated with it. For example, Mc. Doctor. (It is an example. Use some other business of your choice.)
15. Give one suitable example of Employment. Explain it in 80-100 words. Use 5 pictures associated with it. For example, a communication executive working in a bank. (It is an example. Use some other business of your choice.)

**ACCOUNTANCY**

Q.1. Give two characteristics of a business transaction.

Q.2. Explain the meaning of the following terms: (i) Purchase; (ii) Stock; (iii) Business Transaction and (iv) Drawings.

Q.3. Briefly discuss the following concepts: (i) Capital Expenditure; (ii) Revenue Expenditure.

Q.4. What do you understand by 'Debtors' and 'Creditors'? 

Q.5. Explain the meaning of the following terms: (i) Bad Debts; (ii) Capital; (iii) Sales; (iv) Vouchers and (v) Bad Debt Recovered.

Q.6. Explain the meaning of Gain and Profit. Distinguish between these two terms.

Q.7. How can a liability be classified?


Q.9. Give two examples of each: (i) Tangible Assets (ii) Intangible Assets

Q.10. Explain and give example of each of the following accounting terms: (i) Expenses; (ii) Drawings and (iii) Gain.

Q.11. Discuss the concept of Separate Legal Entity.

Q.12. What do you mean by a discount and what are different types of discount?

Q.13. Explain the following terms with examples: (a) Capital Receipt; (b) Revenue Receipt.

Q.14. Goods are Assets but all the Assets are not Goods. Comment.

Q.15. Which of the following is not a business transaction?
   a) Purchase of goods for resale amounting `50,000.
   b) Paid salaries & wages amounting `10,000.
   c) Paid rent for office premises `5,000.
   d) Purchased a LCD for personal use.
   e) Purchased a machinery for the production of pens.
   f) Purchased a machinery for resale.

Q.16. Give an example of each type of transaction from the following information:
   1. Increase in asset, increase in liability
2. Increase in asset, increase in owner's capital
3. Increase in liability, decrease in another liability
4. Decrease in liability, increase in owner's equity
5. Increase in assets, decrease in another asset
6. Decrease in asset, decrease in liability
7. Decrease in asset, decrease in owner's equity

Q. 17. Prepare an Accounting Equation for the following transactions:

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manoj started business with cash</td>
<td>₹ 90,000</td>
</tr>
<tr>
<td>Purchased goods for ₹ 30,000 in cash and ₹ 5,000 on credit from Krishan.</td>
<td></td>
</tr>
<tr>
<td>Loss of cash by theft</td>
<td>₹ 1,000</td>
</tr>
<tr>
<td>Sold goods for ₹ 7,000 in cash and ₹ 10,000 on credit to Ravi.</td>
<td></td>
</tr>
<tr>
<td>Wages paid to employees</td>
<td>₹ 1,000</td>
</tr>
<tr>
<td>Interest due but not received</td>
<td>₹ 1,000</td>
</tr>
<tr>
<td>Purchased cycle for his son</td>
<td>₹ 2,000</td>
</tr>
<tr>
<td>Goods withdrawn for his personal use</td>
<td>₹ 1,000</td>
</tr>
<tr>
<td>Goods costing ₹ 4,000, sold for ₹ 4,500.</td>
<td></td>
</tr>
<tr>
<td>Goods lost by fire costing ₹ 1,000, sale price ₹ 1,800</td>
<td></td>
</tr>
<tr>
<td>Outstanding Rent</td>
<td>₹ 2,000</td>
</tr>
<tr>
<td>Paid to Krishan ₹ 9,000 in full settlement of his account.</td>
<td></td>
</tr>
</tbody>
</table>

PROJECT WORK:

Sanya after completing her cooking course of Handmade Chocolates and Cakes, wanted to do a small business of cakes and chocolates. So she asked her father for some money. Her father was happy to know about her dreams and readily gave her a cheque of ₹ 4,00,000. Now imagine yourself as Sanya and identify the various Accounting Terms she is going to have in her business.
ECONOMICS

I. From the hints given below, complete the following Cross Word Puzzle

II. Assignment

1. Which of the following influences people’s buying plans and does not shift the demand curve?
   a. the price of the good
   b. the prices of related goods
   c. income
   d. preferences
2. The "law of demand" states that changes in __________.
   a. demand are related directly to changes in supply
   b. the quantity demanded of a good are not related to changes in the quantity supplied
   c. the quantity demanded of a good are inversely related to changes in its price
   d. demand are inversely related to changes in supply

3. People buy more of good 1 when the price of good 2 rises. These goods are
   a. Complements
   b. Substitutes
   c. normal goods
   d. inferior goods

4. Changes in which of the following shift the demand curve for hamburgers?
   a. An increase in the price of the meat used to produce hamburgers
   b. An improvement in the productivity of hamburger-making machines
   c. A fall in the price of french fries, a complement for hamburgers
   d. An increase in the number of hamburger restaurants

5. The demand for a good increases when the price of a substitute ________ and also increases when the price of a complement ________.
   a. rises; rises
   b. rises; falls
   c. falls; rises
   d. falls; falls

6. Which of the following statements is TRUE?
   a. An increase in the price of gasoline will decrease the demand for gasoline.
   b. An increase in the price of gasoline will increase the quantity demanded of gasoline.
   c. An increase in the price of gasoline will increase the supply of gasoline.
   d. An increase in the price of gasoline will increase the quantity supplied of gasoline.

7. An increase in the cost of producing video tape shifts the supply curve of video tape ________ and shifts the demand curve for video tape ________.
   a. rightward; leftward
   b. leftward; leftward
   c. leftward; not at all
   d. not at all; leftward

8. Define demand
9. What is a demand schedule?
10. Define market demand.
11. How is market demand curve derived?
12. What is meant by normal goods in economics?
13. What is meant by inferior goods in economics?
14. What causes an upward movement along the demand curve?
15. What does a rightward shift in the demand curve indicates?
16. If price of good X rises and it leads to rise in demand for good Y, how are the two goods related?
17. Define substitute goods.
18. Define complementary goods.
19. State the law of demand.
20. What will be the effect of increase in number of buyers on demand for a good?
21. Give the meaning of increase in quantity demanded.
22. What is decrease in demand?
23. If two commodities are complements, this means that the rise in price of one commodity will result in_____
   a. A rightward shift in the demand curve of the other commodity
   b. A rise in the price of the other commodity
   c. No shift in demand curve of the other commodity
   d. A leftward shift in demand curve of the other commodity

24. Change in demand implies__________________
   a. Increase or decrease in demand of a good due to change in its price
   b. Increase or decrease in demand of a good due to change in the price of substitute goods
   c. Increase or decrease in demand of a good due to change in the price of complementary goods
   d. Shifting in demand curve

25. If with the rise in price of good Y, demand for good X rises, the two goods are___________________
   a. Substitute goods
   b. Complementary goods
   c. Not related
   d. Jointly demanded

26. When income of a consumer falls the impact on price-demand curve of an inferior good is:
   a. Shifts to the right
   b. Shifts to the left
   c. There is upward movement along the demand curve
   d. There is downward movement along the demand curve

27. If due to fall in the price of good X, demand for good Y rises, the two goods are:
   a. Substitutes
   b. Complements
   c. Not related
   d. Competitite

**POLITICAL SCIENCE**

**Q1** Collect information about Citizenship Amendment Bill, 2019 and National Register of Citizens including the following:-

- Background
- What is CAB?
- Which religions are included in the cab bill?
- What were the previous citizenship criteria?
- What is NRC?
- What is the eligibility criteria under NRC?
- What is the difference between CAB and NRC?
- Why is Assam protesting against CAB?

**Q2** Explain the directive principles of state policy. Write about their relationship with fundamental rights

**Q3** Which of the fundamental right is in your opinion the most important right? Summarise its provisions & give arguments to show why it is most important?

**Activity**

**Q4** Prepare posters on Fundamental Rights with the help of pictures & slogans.
• Revise the topics covered so far.

**GEOGRAPHY**

1) Make a project on the **Amphan Cyclone** in India.
   - What is cyclone
   - Major tropical cyclones in India.
   - Causes of the cyclone
   - Effects
   - Mitigation measures taken
   - Also locate places affected by Amphan cyclone on political map of India

2) For information (Visit the site National cyclone risk mitigation project- [https://ncrmp.gov.in/](https://ncrmp.gov.in/))

3) Watch the movie **“Avatar”** and explain how modernisation and development leads to the degradation of environment

4) Watch the movie **“The Martian”** and write your views about the planet Mars and the possibility of life on it

**Geography - Outline Political Map of India**

Locate and label the following with appropriate symbols on the same given outline political map of India:

1. **Dams**
   - Salal Project - Jammu and Kashmir
   - Tungabhadra Dam - Karnataka
   - Rana Pratap Sagar Dam - Rajasthan
   - Hirakud Dam - Odisha
   - Tehri Dam - Uttarakhand
   - Nagarjuna Sagar Dam - Telangana

2. **Rivers**
   - Ganga
   - Yamuna
   - Narmada
   - Godavari
   - Tapi
   - Krishna
   - Brahmaputra
   - Indus
   - Ravi
   - Mahanadi
- Mountain ranges
  - Garo hills
  - Himalayas
  - Jaintia Hills
  - Karakoram Range
  - Khasi Hills
  - Manipur Hills
  - Mizo Hills
  - Naga Hills
  - Nilgiri Hills
  - Palani Hills
  - Aravalli Range
  - Patkai Hills
  - Pir Panjal Range
  - Purvanchal Range
  - Sahyadri
  - Satpura Range
  - Shivalik Hills
  - Vindhya Range
  - Western Ghats
  - Zanskar Range
4. Six different types of soil in India:
   - Alluvial soil
   - Black soil
   - Red & Yellow soil
   - Laterite soil
   - Forest soil
   - Arid soil

5. Type of Forest in India
   - Tropical Evergreen and Semi Evergreen forests
   - Tropical Deciduous forests
   - Tropical Thorn forests
   - Montane forests
   - Littoral and Swamp forests.
HOME SCIENCE

1. List and discuss 4-5 areas of agreement and disagreement with Mother
   a) Father
   b) Siblings/ Friends
   c) Teacher
2. a) Record Your own diet for a day
   b) Evaluate qualitatively for adequacy
3. Make a collage or a poster using coloured pastel sheet on any one topic mentioned below:
   - Protein
   - Fat
   - Carbohydrates
   - Iron
   - Calcium

   Assignment

State True or False.

(i) One area should be dedicated to perform one activity only.
(ii) Materials and equipment required frequently should be stored at a convenient height.
(iii) A foldable furniture is recommended to cater to space constraints.
(iv) Arrangement of areas for pre-preparation, cooking and washing should be close to each other.

Fill in the blanks

(i) When you save time, you can save ....
(ii) By organizing work, one can save time, energy and ....
(iii) Careless use of household equipment can cause serious ............
(iv) Before cleaning an electrical equipment the ............ should be removed from the switch board.

Answer the following

1. Which are two important aspects of space management?
2. What is meant by space management? What is the need of space management?
3. Why should all the equipment required for a task be placed in the work centre?
4. How can privacy be maintained in a house?
5. What should be done for economical use of space?
6. Your friend has purchased one room house. Give some suggestions to make of available space.
7. Why is time management necessary?
8. Reshma’s mother does all the household work herself and she is preparing for the exams. Both of them get tired in the evening. Differentiate between the fatigue they both are feeling. Also give two ways each to both mother and Reshma to reduce their fatigue and identify two factors Reshma should keep in mind while making time plan for herself.
9. What do you understand by the term 'Family Income'?
   a) Explain all the three components of family income with suitable examples.
   b) Write any two ways by which you can supplement your family income.