

## **Holiday Homework**


**Class - 7**

**Subject – Science**

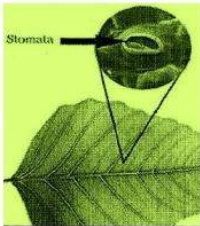
1. Make a project on Digestive system with well labelled diagram
2. Write Exercise and keywords of chapter 2
3. Learn chapter 1 and 2 properly
4. Do some extra question of chapter 1 and 2
5. Do these activities


## SCIENCE

### Class : VII


S. No.	Topic	Activity	Time	Skills Enhanced / Learning Outcome
1.	Nutrition in Plants	<p><b>1. Saprotrophs</b></p> <p><b>Activity 1</b></p> <p><b>Description:</b></p> <ol style="list-style-type: none"> <li>The teacher will give the following directions to students: Take 2 slices of bread in your home. Keep one slice of bread in refrigerator and other outside at room temperature with water sprinkled on it.</li> <li>Ask the students to observe the two slices after 3-4 days.</li> <li>The students will note the observations in their notebook.</li> </ol> <p><b>Activity 2</b></p> <p>Find out the food items in your home that show similar growth as was found on the moist bread when kept under similar condition for some days. Identify one common factor in each of them that favours that growth.</p>  <p><small>Source: <a href="http://www.wisegook.com/what-is-rhizopus.htm#fungus-infested-bread">http://www.wisegook.com/what-is-rhizopus.htm#fungus-infested-bread</a></small></p>	3 to 4 days	<ul style="list-style-type: none"> <li>Define</li> <li>Explain</li> <li>Observe</li> <li>Experiment</li> <li>Record</li> </ul>

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		<p><b>2. Transpiration</b></p> <p>Make structure of stomata by using kidney beans. How does the stomata contribute in photosynthesis and transpiration?</p> 	20 minutes	<ul style="list-style-type: none"> <li>Planning and Organisation</li> <li>Creativity and Innovation</li> </ul>
		<p><b>3. Growth of Plants</b></p> <p><b>Description:</b></p> <ol style="list-style-type: none"> <li>Grow 2 tomato plants in normal conditions and 2 in a glass house.</li> <li>During night keep the bulb on in the glass house.</li> <li>Measure the growth of plants after every 3 days.</li> <li>Plot the growth of the four plants on a graph.</li> <li>Compare the growth of plants grown in normal condition with those grown in glass house.</li> <li>Record your observation and conclude.</li> </ol>	20 minutes spread to 3 days	<ul style="list-style-type: none"> <li>Observation</li> <li>Time Management</li> <li>Analysis</li> <li>Numeracy</li> </ul>

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2.	Nutrition in Animals	<p><b>1. Healthy Life Style</b>  <b>Description:</b> Discuss with your elders, the way to lead a healthy life. Based on the same design a leaflet for the people of your age with hints and tips to lead a healthy life.</p>	30 minutes	<ul style="list-style-type: none"> <li>• Discuss</li> <li>• Critical Thinking</li> <li>• Remember</li> <li>• Analysis</li> </ul>
		<p><b>2. Human Digestive System</b>  <b>Activity 1</b>  <b>Description:</b>            Divide the human digestive system into various stages. Draw a flowchart depicting various stages of human digestive system along with the organs involved.  <b>Activity 2</b>  <b>Description:</b>            Take different coloured papers. Cut them into various shapes resembling with that of the human digestive organs such that one colour represents one organ. Paste them into your copy making the complete human digestive system. Label various organs.</p>	15 minutes  15 minutes	<ul style="list-style-type: none"> <li>• Identification and Organisation</li> <li>• Critical Thinking</li> <li>• Understanding</li> <li>• Identification</li> <li>• Analysis</li> <li>• Critical Thinking</li> <li>• Creativity</li> </ul>

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		5. Cumin seeds Grass seeds coloured with charcoal test		Rub the cumin seeds on the palm. If palm turns black, adulteration is present.
		6. Supari Colour		Dissolve it in water. If colour comes out, adulteration present.
		Identify the iodine solution commonly used as antiseptic in house. Find out to what extent the adulterants may be harmful to human beings.		
		<b>4. Map Activity</b> Find out the names of food items of various states of our country and mark them on the map of India. Is there any relation between the food habits and the climatic and geographical location of that place? Comment.	20 minutes	<ul style="list-style-type: none"> <li>• Critical Thinking</li> <li>• Analysis</li> <li>• Interpretation</li> <li>• Observation</li> <li>• Identification and classification</li> </ul>
		<b>5. Food for Health</b> Fast food is not good for health. Compose a story with the above message wherein a girl explains to her younger brother, the bad effects of eating bad food.	15 minutes	<ul style="list-style-type: none"> <li>• Communication</li> <li>• Writing skills</li> <li>• Value enhancement</li> </ul>
3.	Fibre to Fabric	<b>3. Different types of fibre</b> <b>Procedure:</b>	20 minutes for three days	<ul style="list-style-type: none"> <li>• Identification</li> <li>• Classification</li> </ul>

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		<b>Learning outcome:</b> Students will be able to know about properties of fibres.		


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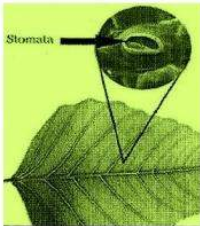
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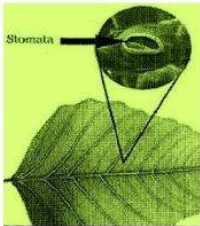
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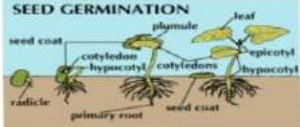
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1. Make a project on any topic of chapter 2 (Microorganisms friends and foe)
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**SCIENCE**  
**Class : VIII**

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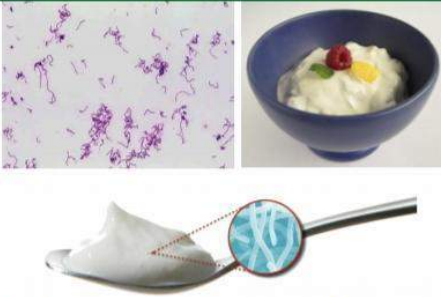
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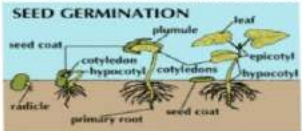
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**SCIENCE**  
**Class : VIII**

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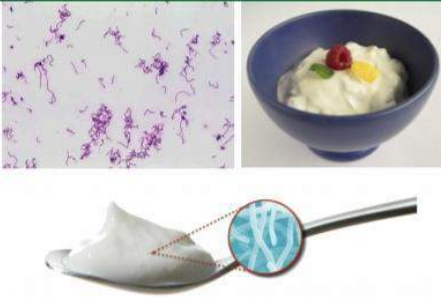
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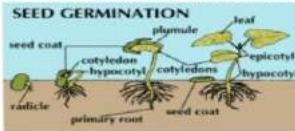
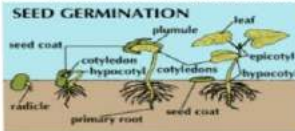
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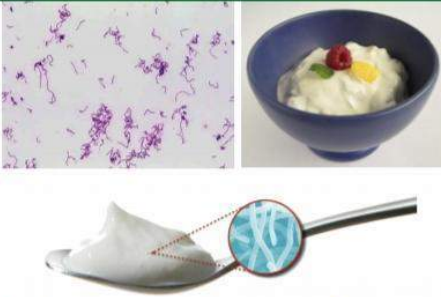
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SUMMER VACATION HOMEWORK

for 9<sup>th</sup> A, B, C

- Q.1) Define uniform velocity and uniform acceleration?
- Q.2) Draw position-time graph for body at rest.
- Q.3) What is the nature of distance-time graphs for uniform and non-uniform motion of an object?
- Q.4) Differentiate between distance and displacement?
- Q.5) Complete exercise of chapter 1 of physics (i.e. motion).
- Q.6) A bus decreases its speed from  $80 \text{ km/h}$  to  $60 \text{ km/h}$  in  $50 \text{ sec}$ . Find the acceleration of the bus.
- Q.7) The driver of a car travelling along a straight road with a speed of  $72 \text{ km/h}$  observes a signboard which gives the speed limit to be  $54 \text{ km/h}$ . The signboard is  $70 \text{ m}$  ahead when the driver applies brakes. Calculate the acceleration of the car which will cause the car to pass the signboard at the stated speed limit?
- Q.8) What can you say about the motion of an object whose distance-time graph is a straight line parallel to time axis?

## **Chapter 1 case studies**

### **Question 1:**

Ashutosh Goenka was working in 'Axe Ltd.', a company manufacturing air purifiers. He found that the profits has started declining from the last six months. Profit has an implication for the survival of the firm, so he analysed the business environment to find out the reasons for this decline.

1. Identify the level of management at which Ashutosh Goenka was working.
2. State three other functions being performed by Ashutosh Goenka.

### **Answer:**

Ashutosh Goenka was working at top level of management. The three functions being performed by him at this level are outlined below:

1. He is responsible for formulating the overall organizational goals and strategies.
2. He is responsible for all the business activities and its impact on society.
3. He has to coordinate the activities of different departments in pursuit of common goals.

### **Question 2:**

Rishitosh Mukerjee has recently joined AMV Ltd, a company manufacturing refrigerators. He found that his department was under-staffed 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.

1. Identify the level at which Rishitosh Mukerjee was working.
2. Also, state three more functions required to be performed by Rishitosh Mukerjee at this level.

### **Answer:**

Rishitosh Mukerjee is working at middle level of the management. The three more functions that he has to perform at this level are stated below:

1. He has to assign duties and responsibilities to the people in his department.
2. He has to motivate the people in his department to achieve the desired objectives.
3. He has to interpret the policies framed by top management.

### **Question 3:**

Sridhar's father is working as a section in-charge in a government office. Identify the level of management at which he is working? State any five functions that he has to perform at this level.

### **Answer:**

Sridhar's father is working as a section in-charge in a government office. He is working at the lower level of management.

He has to perform the following functions at this level of management:

1. He has to directly oversee the efforts of the workforce.
2. He has to serve as a link between the workers and middle level managers.
3. He has to ensure sufficient availability of resources and good quality of output.
4. He has to provide guidance and training to workers.
5. He has to ensure that good working conditions are provided to the workers.

### **Question 4:**

Mega Ltd. manufactured water-heaters. In the first year of its operations, the revenue earned by the company was just sufficient to meet its costs. To increase the revenue, the company analysed the reasons behind the less revenues. After analysis, the company decided:

1. to reduce the labour costs by shifting the manufacturing unit to a backward area where labour was available at a very low rate.
2. to start manufacturing solar water-heaters and reduce the production of electric water- heaters slowly.

This will not only help in covering the risks but also help in meeting other objectives.

1. Identify and explain the objectives of management discussed above.
2. State any two values which the company wanted to communicate to society.

**Answer:**

1. The objectives of management discussed above are:
  - **Organisational objectives:** An organisation strives to achieve multiple organizational objectives in the interest of its stakeholders like owners, employees etc. The main organizational objectives are survival, profit and growth.
  - **Social Objectives:** It is the obligation of every organisation to undertake such activities which will benefit the society at large like using eco-friendly methods, contributing towards weaker sections of the society, generating employment opportunities, promoting literacy etc.
2. The two values that the company wanted to communicate to the society are:
  - Rural development
  - Environment sustainability

**Question 5:**

XYZ Power Ltd. set up a factory for manufacturing solar lanterns in a remote village as there was no reliable supply of electricity in rural areas. The revenue earned by the company was sufficient to cover the costs and the risks. As the demand of lanterns was increasing day- by-day, the company decided to increase production to generate higher sales. For this/they decided to employ people from a nearby village as very few job opportunities were available in that area. The company also decided to open schools and creches for the children of its employees.

1. Identify and explain the objectives of management discussed above.
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**Answer:**

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  - **Organisational objectives:** An organisation strives to achieve multiple organizational objectives in the interest of its stakeholders like owners, employees etc. The main organisational objectives are survival, profit and growth.
  - **Social Objectives:** It is the obligation of every organisation to undertake such activities which will benefit the society at large like using eco-friendly methods, contributing towards weaker sections of the society, generating employment opportunities, promoting literacy etc.
2. The two values that the company wanted to communicate to the society are:
  - Rural development
  - Promoting literacy

**Question 6:**

Your grandfather has retired as the Director of a manufacturing company. At what level of management was he working? What functions do you think he was performing at that level? State any two,

**Answer::**

Since he has retired from the post of Director of a manufacturing company, he was working at the top level of management.

The main functions that he was performing at this level are outlined below:

1. He was responsible for the success and failure of the organization.



2. He was responsible for all the business activities and its impact on society.
3. He had to coordinate the activities of different departments in pursuit of common goals.

**Question 7:**

Ritu is the manager of the northern division of a large corporate house. At what level does she work in the organisation? What are her basic functions?

OR

Your grandfather has retired from an organisation in which he was responsible for implementing the plans developed by the top management. At which level of management was he working? State one more function performed at this level.

OR

Deepak's father has retired as a purchase manager of a company. At what level of management was he working? What function do you think he was performing at that level of management?

OR

Dheeraj is working as an Operations Manager in Tifco Ltd. Name the managerial level at which he is working. State any four functions he will perform as the Operations Manager in this company.

OR

Rajat is working as a Regional Manager in Tifco Ltd. Name the level at which he is working. State any four functions he will perform as the Regional Manager in this company.

**Answer::**

Ritu / grandfather / Deepak's father / Deeraj / Rajat, all of them are working at the middle level of management.

The four functions that he will have to perform at this level are stated below:

1. He has to ensure that his department has the necessary staff.
2. He has to assign duties and responsibilities to the people in his department.
3. He has to motivate the people in his department to achieve the desired objectives.
4. He has to co-operate with the other departments for ensuring smooth functioning of the organization.

**Question 8:**

Vaibhav Garments Ltd/s target is to produce 10,000 shirts per month at a cost of ₹150 per shirt. The production manager could achieve this target at the cost of ₹160 per shirt. Do you think the production manager is effective? Give reasons for your answer.

**Answer:**

Yes, the production manager of Vaibhav Garments Ltd. is effective as he could achieve the target to produce 10,000 shirts in a month.

**Question 9:**

Mr. Nitin Singhania's father has a good business of iron and steel. He wants to go to the USA for his MBA but his father thinks that he should join the business. On the basis of emerging- trends, do you think that Mr. Singhania should send his son to the USA? Give any three reasons in support of your answer.

**Answer:**

Yes, according to me, Mr. Singhania should send his son to USA for his MBA because management is being recognised as a profession to a great extent because of the following reasons:

1. **Well defined body of knowledge:** Management is considered to be a well-defined body of knowledge that can be acquired through instructions. As a separate discipline, it contains a set of theories and principles formulated by various management experts. Moreover, it is taught in various schools and colleges all over the world.
2. **Ethical code of conduct:** Management, in practice, like other professions, is bound by a code of conduct which guides the behaviour of its members. Therefore, acquiring a degree in management will equip him with the good managerial, skills and approach.
3. **Service motive:** A good management course will provide him an insight into the multiple goals that an organisation should pursue. This knowledge will help him to serve both the objectives of profit maximization and social welfare effectively for his company.

## ADDITIONAL QUESTIONS

### Question 1:

Jayant is working as Head Relationship Manager in the wealth management division of a private sector bank. He has created an internal environment which is conducive to an effective and efficient performance of his team of ten relationship management executive” A typical day at work in Jay ant’s life consists of a series of interrelated and continue functions. He decides the targets for his department which are in line with the objectives of the organization as a whole. The future course of action for his team members is laid out well in advance. The various resources required by the relationship managers like an iPad with GPS system, account opening forms, brochures, details of account holders etc. are made readily available to them. The executives are given sufficient authority to carry out the work assigned to them. Jayant works in close coordination with the Human Resource Manager in order to ensure that he is able to create and maintain a satisfactory and satisfied workforce in his department.Through constant guidance and motivation, Jayant inspires them to realise their full potential. He offers them various types of incentives from time to time keeping in view their diverse individual needs.Moreover, he keeps a close watch on their individual performances in order to ensure that they are in accordance with the standards set and takes corrective actions whenever needed.

In context of the above case:

1. Identify the concept being referred to in the following line, “He has created an internal environment which is conducive to an effective and efficient performance of his team of ten relationship management executives.”
2. Identify and describe the various functions of the concept as identified in part (a) of the question by quoting lines from the paragraph.

### Answer:

1. The concept of management is being referred to in the following line, “He has created an internal environment which is conducive to an effective and efficient performance of his team of ten relationship management executives.”
2. The various functions of the management concept mentioned in the above paragraph are listed below:
  - **Planning:** It is the function of determining in advance what is to be done and who is to do it. “He decides the targets for his department which are in line with the objectives of the organization as a whole. The future course of actions for the team members are laid out well in advance.”
  - **Organising:** Organising is the process of bringing together human, physical and financial resources and establishing productive relations among them for the purpose of achieving the desired goals efficiently and effectively. “The various resources required by the relationship managers like an iPad with GPS system, account opening forms, brochures, details of account holders etc. are made readily available to them. The executives are given sufficient authority to carry out the work assigned to them.”
  - **Staffing:** The managerial function of staffing involves manning the organisational structure in order to fill in the roles designed into the structure. “Jayant works in close coordination with the human resource manager in order to ensure that he is able to create and maintain a satisfactory and satisfied workforce in his department.”
  - **Directing:** Directing involves leading, influencing and motivating employees to perform the tasks assigned to them. “Through constant guidance and motivation, Jayant inspires them to realise their full potential. He offers them various types of incentives from time to time keeping in view their diverse individual needs.”
3. **Controlling:** Controlling is the management function of ensuring that events conform to plans.”Moreover, he keeps a close watch on their individual performances in order to ensure that they are in accordance with the standards set and takes corrective actions whenever needed.”

### Question 2:

Sooraj works as a salesman in a company selling pet accessories and food. He has been given a target of selling 1200 units of the food packets in a month by offering a maximum of 10% discount to his customers. In

order to meet his monthly sales target, on the last two days of the month, he offers 15% discount to his customers.

In the context of the above case:

Is Sooraj effective in his work? Explain by giving a suitable reason in support of your answer.

**Answer:**

Yes, Sooraj is effective in his work as he has been able to meet his monthly sales target of selling 1200 units of the food packets.

**Question 3:**

Sujata works as a designer in an export house. As per the terms of an order received by the export house, she has to get 1000 units of denim jackets made in 15 days @ ₹ 2000 per jacket. She is able to complete her target production in 20 days because in order to complete the order in 15 days she would have made the workers work over time. As a result, the cost of production per jacket may have increased by ₹ 100.

In the context of the above case:

Is Sujata efficient in her work? Explain by giving a suitable reason in support of your answer.

**Answer:**

Yes, Sujata is efficient in her work as she has been able to get 1000 units of denim jackets made @ ₹ 2000 per jacket.

**Question 4:**

Anju and Manju are good friends. Considering the fact that the activities involved in managing an enterprise are common to all organizations, after completing their masters in business management, both of them take up a job at managerial level in different organizations as per their individual areas of interest. Anju takes up a marketing job in a retail company and strives to increase sales whereas Manju joins an NGO and works diligently to realize its objective related to providing employment to specially abled persons. Both of them have to perform a series of continuous, composite, but separate functions. On some days, Anju may spend more time in planning a future display layout and on another day, she may spend time in sorting out an employee's problem. Both Anju and Manju make conscious efforts to build a feeling of team spirit and coordination among diverse individuals with different needs who work under them. The effect of their management is noticeable in their respective departments as the targets are met according to plans, employees are happy and satisfied, and there is orderliness in its functioning rather than chaos.

In context of the above case:

Identify the various features of management highlighted in the above paragraph by quoting lines from it.

**Answer:**

The various features of management highlighted in the above paragraph are stated below:

1. Management is all pervasive: "Considering the fact that the activities involved in managing an enterprise are common to all organizations, after completing their masters in business management, both of them take up a job at managerial level in different organizations as per their individual areas of interest."
2. Management is a goal-oriented process: "Anju takes up a marketing job in a retail company and strives to increase sales whereas Manju joins an NGO and works diligently to realize its objective related to providing employment to specially abled persons."
3. Management is a continuous process: "Both of them have to perform a series of continuous, composite, but separate functions. Like on some days, Anju may spend more time in planning a future display layout and on another day, she may spend time in sorting out an employee's problem."
4. Management is a group activity: "Both Anju and Manju make conscious efforts to build a feeling of team spirit and coordination among diverse individuals with different needs who work under them."
5. Management is an intangible force: "The effect of their management is noticeable in their respective departments as the targets are met according to plans, employees are happy and satisfied, and there is orderliness in its functioning rather than chaos."

**Question 5:**

Real Alliance Ltd. is a well-known cement company in India. It is able to earn adequate revenues to cover costs. Its capital base, number of employees and production turnover has increased manifolds over the years. The rate of profitability of the business is also creditable. The employees of the company are happy and satisfied with their remuneration, working conditions, promotion policy etc. As a part of its moral

obligation, the company has taken many initiatives for providing employment to specially abled persons and promoting literacy in the villages adopted by it.

In the context of the above case:

1. Identify and explain the various types of objectives of management being fulfilled by Real Alliance Ltd by quoting lines from the paragraph.
2. List any two values that Real Alliance Ltd. wants to communicate to the society.

**Answer:**

The various objectives of management being fulfilled by Real Alliance Ltd are stated below:

1. **Organisational objectives:** An organization strives to achieve multiple organisational objectives, mainly:
  - **Survival:** "It is able to earn adequate revenues to cover costs."
  - **Growth:** "Its capital base, number of employees and production turnover has increased manifolds over the years."
  - **Profit:** "The rate of profitability of the business is also creditable."
2. **Personal objectives:** These objectives relate to the needs of the employees of the organization which must be given due consideration.  
"The employees of the company are happy and satisfied with their remuneration, working conditions, promotion policy etc."
3. **Social objectives:** It is expected that every organization should undertake certain initiatives for the welfare of the society at large.  
"As a part of its moral obligation, the company has taken many initiatives for providing employment to specially abled persons and promoting literacy in the villages adopted by it."
4. **The two value that Real Alliance Ltd. wants to communicate to the society are:**
  - **Social welfare**
  - **Respect for their employees**

**Question 6:**

Esha works as the cost and risk management head of a company in power sector. As a result of her excellent managerial competence, the company is able to reduce costs and increase productivity. The company belongs to infrastructure sector, wherein regular amendments are made in the government regulations and policies. She holds regular meetings to ensure that people in her department are not only aware of the related changes but are also able to adapt to these changes effectively. This helps the company to maintain its competitive edge. She motivates and leads her team in such a manner that individual members are able to achieve personal goals while contributing to the overall organisational objective. In the process of fulfilling her duties for the growth of the organisation, she helps in providing competitive services, adopting new technology, creating more employment opportunities etc. for the greater good of the people at large.

In context of the above case:

Identify the various reasons that have made management so important by quoting lines from the paragraph.

**Answer:**

The various reasons mentioned in the above paragraph that have made management so important are stated below:

1. **Management increases efficiency as it leads to reduction in costs due to optimum utilisation of resources.**  
"As a result of her excellent managerial competence the company is able to reduce costs and increase productivity."
2. **Management creates a dynamic organisation so that it is able to incorporate the corresponding changes in its working with any change in its business environment.**  
"The company belongs to infrastructure sector, wherein regular amendments are made in the government regulations and policies. She holds regular meetings to ensure that people in her department are not only aware of the related changes but are also able to adapt to these changes effectively. This helps the company to maintain its competitive edge."

3. **Management helps in achieving personal objectives of the employees in the organisation.**  
**“She motivates and leads her team in such a manner that individual members are able to achieve personal goals while contributing to the overall organisational objective.”**  
**“The employees of the company are happy and satisfied with their remuneration, working conditions, promotion policy etc.”**
4. **Management helps in the development of society by contributing effectively towards it in multiple ways.”In the process of fulfilling her duties for the growth of the organization, she helps in providing competitive services, adopting new technology, creating more employment opportunities etc. for the greater good of the people at large.”**

**Question 7:**

Ramarjuna joins an IT firm as a system analyst after completing his masters in Computer Science. As the nature of his work demands he has to work in very close coordination with all the departmental heads in the firm, very soon Ramarjuna realizes that each departmental head has own individual style of working. They differ greatly in their day-to-day approach to work. They tend to deal with a given situation, an issue or a problem through a combination of their own experience, creativity, imagination, initiative and innovation. In the context of the above case:

Identify and explain the nature of management highlighted in the above case.

**Answer:**

In the above case, management is being considered as an art.

Art is the skillful and personal application of existing knowledge to achieve desired results. The evaluation of management as an art is given below:

1. **Existence of theoretical knowledge: Art presupposes the existence of certain knowledge. Management fulfills this criterion as there exist a number of theories and principles on management which have been formulated by various management experts.**
2. **Personalised applications: Art is a personalised concept. Management fulfills this criterion as a good manager works through a combination of his own experience, creativity, imagination, initiative and innovation to carry out the assigned work.**
3. **Based on practice and creativity: All art is practical. Management fulfills this criterion as a person becomes a better manager with constant practice and experience. This also leads to emergence of different styles of management.**

S.No	Features of Art	Evaluation of Management as an Art
1.	Existence of theoretical knowledge	Fulfills this criterion
2.	Personalized applications	Fulfills this criterion
3.	Based on practice and creativity	Fulfills this criterion

**Question 8:**

Dharam is a well-known businessman in the field of publishing. He owes the success of his business to his own education in business management and his team of certified management consultants. Therefore, he decides to send both his children Danush and Damini abroad to acquire a degree in business management in their individual area of expertise. He feels that all over the world there is marked growth in management as a

discipline, but still it is not considered to be a full-fledged profession for certain reasons.

In the context of the above case:

1. Explain the reasons because of which Dharam considers management as a discipline.
2. Critically examine the various reasons because of which management is not considered to be a full-fledged profession.

**Answer:**

1. Dharam considers management as a discipline because there exist a number of theories and principles on management which have been formulated by various management experts. It is taught in various schools and colleges, all over the world, as a separate subject of study.
2. Management is not considered to be a full-fledged profession because of the following reasons:
  - **Restricted entry.** Unlike management, the entry to the other professions is restricted through an examination or eligibility criteria like specific percentage in a particular degree or diploma. However, management as profession does not fulfill this criterion as anyone can be called a manager regardless of his/her academic qualifications.
  - **Professional association:** Unlike managers, all working professionals have to be a member of an affiliated professional association which regulates their entry, grants certificate of practice and formulates and enforces code of conduct. For example, the practicing lawyers have to be a member of Bar Council of India, the practicing doctors should have membership of All India Medical Association etc. However, in case of management, although there exist several management associations like the AIMA (All India Management Association), neither does it have any statutory backing nor is it mandatory for the practicing managers to a member of such associations.

**Question 9:**

Kartik joins a garment factory as a plant supervisor in Lucknow. He observes that the output of some workers is very low as compared to the standards set for their performance. On analyzing the reasons for the same, he finds out that a lot of time of the workers is wasted in getting the requisite materials issued from the store. Whereas on asking, the store keeper complains that there is no harmony in the working of the production department as a whole. Everyday the workers approach him at the last minute to procure different kinds of threads, laces, mirrors, buttons etc. If it is not available in the store then he has to place an order with the purchase officer. As a result, a lot of time of the workers is wasted. So, in order to integrate the various production activities, henceforth, Kartik ensures, that the store keeper is informed well three days in advance about the requisite material. Consequently, the store keeper is able to keep the materials ready for the workers every morning in accordance with their requirements.

In context of the above case:

1. Identify and explain the quality of management that Kartik has introduced in the working of the production department as a corrective measure to control the output of the workers.
2. State briefly any two points highlighting the importance of quality of management identified in part (a).

**Answer:**

1. **Coordination** is the quality of management that Kartik has introduced in the working of the production department as a corrective measure to control the output of the workers. Coordination is the process which helps to integrate the efforts of different individuals with diverse needs to secure a unity of action in the pursuit of common goals.
2. The two points highlighting the importance of coordination are stated below:
  - **Growth in the size:** With the growth in the size of an organisation, there is a proportionate increase in the number of its employees. So there is a greater need to unify the efforts of diverse individuals towards the realisation of organisational goals.
  - **Functional differentiation:** As a result of functional differentiation in an organization, its people and activities get divided into small departments on the basis of functions like marketing, finance etc. Since each such department tends to formulate its own objectives, policies etc., there is a need to

reconcile the goals pursued by each of such departments with the goals of the organization as a whole.

**Question 10:**

Geetika is working in a private sector bank. One of her key function relates to the formulation of the overall organisational goals and strategies of the bank. Identify the level of management at which she is working? State any three other functions that she has to perform at this level.

**Answer:**

Geetika is working at the top level of management in the private sector bank. The three other functions that she has to perform at this level are outlined below:

1. She is responsible for the success and failure of the organisation.
2. She is responsible for all the business activities and its impact on society.
3. She has to coordinate the activities of different departments in pursuit of common goals.

**Question 11:**

Arundhati has been promoted to the post of Marketing Division Head of a soft drink company. Identify the level of management at which she will be working henceforth. State any four functions that she will have to perform at this level.

**Answer:**

Henceforth, Arundhati will be working at middle level of management.

The four functions that she will have to perform at this level are stated below:

1. She has to ensure that her department has the necessary staff.
2. She has to assign duties and responsibilities to the people in her department.
3. She has to motivate the people in her department to achieve the desired objectives.
4. She has to co-operate with the other departments for ensuring smooth functioning of the organization.

**Question 12:**

Ajay and Sanjay are childhood friends. Sanjay had lost his right hand in an accident in childhood. They meet after a long time in a restaurant. On being asked, Sanjay tells Ajay that he feels very discontented in managing his family business after the death of his father as it doesn't match with his areas of interest. Ajay knows that Sanjay possess extraordinary skills in management although he hasn't acquired any professional degree in management.

Therefore, he asks Sanjay to wind up his business in India and join him in his hotel business in Dubai as an Assistant Manager in Sales and Marketing Division.

In context of the above case:

1. Can Sanjay be deployed at the post of Assistant Manager in Sales and Marketing Division though he hasn't acquired any professional degree in management? Explain by giving suitable justifications in support of your answer.
2. List any two values that are reflected in this act of Ajay.

**Answer:**

1. Yes, Sanjay can be deployed at the post of Assistant Manager in Sales and Marketing Division although he hasn't acquired any professional degree in management as management is not considered to be a full-fledged profession because of the following reasons:
  - **Restricted entry:** Unlike management, the entry to the other professions is restricted through an examination or eligibility criteria like specific percentage in a particular degree or diploma. However, management as a profession does not fulfill this criteria as anyone can be called a manager regardless of his/her academic qualifications.
  - **Professional association:** Unlike managers, all working professionals have to be a member of an affiliated professional association which regulates their entry, grants certificate of practice and formulates and enforces code of conduct. For example, the practicing lawyers have to be a member

**of Bar Council of India, the practicing doctors should have membership of All India Medical Association etc. However, in case of management, although there exist several management association like the AIMA (All India Management Association), neither does it have any statutory backing nor is it mandatory for the practicing managers to a member of such associations.**

**2. The two values that are reflected in this act of Ajay are:**

- Compassion**
- Responsibility.**



## **Chapter 1 case studies**

### **Question 1:**

Ashutosh Goenka was working in 'Axe Ltd.', a company manufacturing air purifiers. He found that the profits has started declining from the last six months. Profit has an implication for the survival of the firm, so he analysed the business environment to find out the reasons for this decline.

1. Identify the level of management at which Ashutosh Goenka was working.
2. State three other functions being performed by Ashutosh Goenka.

### **Answer:**

Ashutosh Goenka was working at top level of management. The three functions being performed by him at this level are outlined below:

1. He is responsible for formulating the overall organizational goals and strategies.
2. He is responsible for all the business activities and its impact on society.
3. He has to coordinate the activities of different departments in pursuit of common goals.

### **Question 2:**

Rishitosh Mukerjee has recently joined AMV Ltd, a company manufacturing refrigerators. He found that his department was under-staffed 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.

1. Identify the level at which Rishitosh Mukerjee was working.
2. Also, state three more functions required to be performed by Rishitosh Mukerjee at this level.

### **Answer:**

Rishitosh Mukerjee is working at middle level of the management. The three more functions that he has to perform at this level are stated below:

1. He has to assign duties and responsibilities to the people in his department.
2. He has to motivate the people in his department to achieve the desired objectives.
3. He has to interpret the policies framed by top management.

### **Question 3:**

Sridhar's father is working as a section in-charge in a government office. Identify the level of management at which he is working? State any five functions that he has to perform at this level.

### **Answer:**

Sridhar's father is working as a section in-charge in a government office. He is working at the lower level of management.

He has to perform the following functions at this level of management:

1. He has to directly oversee the efforts of the workforce.
2. He has to serve as a link between the workers and middle level managers.
3. He has to ensure sufficient availability of resources and good quality of output.
4. He has to provide guidance and training to workers.
5. He has to ensure that good working conditions are provided to the workers.

### **Question 4:**

Mega Ltd. manufactured water-heaters. In the first year of its operations, the revenue earned by the company was just sufficient to meet its costs. To increase the revenue, the company analysed the reasons behind the less revenues. After analysis, the company decided:

1. to reduce the labour costs by shifting the manufacturing unit to a backward area where labour was available at a very low rate.
2. to start manufacturing solar water-heaters and reduce the production of electric water- heaters slowly.

This will not only help in covering the risks but also help in meeting other objectives.

1. Identify and explain the objectives of management discussed above.
2. State any two values which the company wanted to communicate to society.

**Answer:**

1. The objectives of management discussed above are:
  - **Organisational objectives:** An organisation strives to achieve multiple organizational objectives in the interest of its stakeholders like owners, employees etc. The main organizational objectives are survival, profit and growth.
  - **Social Objectives:** It is the obligation of every organisation to undertake such activities which will benefit the society at large like using eco-friendly methods, contributing towards weaker sections of the society, generating employment opportunities, promoting literacy etc.
2. The two values that the company wanted to communicate to the society are:
  - Rural development
  - Environment sustainability

**Question 5:**

XYZ Power Ltd. set up a factory for manufacturing solar lanterns in a remote village as there was no reliable supply of electricity in rural areas. The revenue earned by the company was sufficient to cover the costs and the risks. As the demand of lanterns was increasing day- by-day, the company decided to increase production to generate higher sales. For this/they decided to employ people from a nearby village as very few job opportunities were available in that area. The company also decided to open schools and creches for the children of its employees.

1. Identify and explain the objectives of management discussed above.
2. State any two values which the company wanted to communicate to the society.

**Answer:**

1. The objectives of management discussed above are:
  - **Organisational objectives:** An organisation strives to achieve multiple organizational objectives in the interest of its stakeholders like owners, employees etc. The main organisational objectives are survival, profit and growth.
  - **Social Objectives:** It is the obligation of every organisation to undertake such activities which will benefit the society at large like using eco-friendly methods, contributing towards weaker sections of the society, generating employment opportunities, promoting literacy etc.
2. The two values that the company wanted to communicate to the society are:
  - Rural development
  - Promoting literacy

**Question 6:**

Your grandfather has retired as the Director of a manufacturing company. At what level of management was he working? What functions do you think he was performing at that level? State any two,

**Answer::**

Since he has retired from the post of Director of a manufacturing company, he was working at the top level of management.

The main functions that he was performing at this level are outlined below:

1. He was responsible for the success and failure of the organization.

2. He was responsible for all the business activities and its impact on society.
3. He had to coordinate the activities of different departments in pursuit of common goals.

**Question 7:**

Ritu is the manager of the northern division of a large corporate house. At what level does she work in the organisation? What are her basic functions?

OR

Your grandfather has retired from an organisation in which he was responsible for implementing the plans developed by the top management. At which level of management was he working? State one more function performed at this level.

OR

Deepak's father has retired as a purchase manager of a company. At what level of management was he working? What function do you think he was performing at that level of management?

OR

Dheeraj is working as an Operations Manager in Tifco Ltd. Name the managerial level at which he is working. State any four functions he will perform as the Operations Manager in this company.

OR

Rajat is working as a Regional Manager in Tifco Ltd. Name the level at which he is working. State any four functions he will perform as the Regional Manager in this company.

**Answer::**

Ritu / grandfather / Deepak's father / Deeraj / Rajat, all of them are working at the middle level of management.

The four functions that he will have to perform at this level are stated below:

1. He has to ensure that his department has the necessary staff.
2. He has to assign duties and responsibilities to the people in his department.
3. He has to motivate the people in his department to achieve the desired objectives.
4. He has to co-operate with the other departments for ensuring smooth functioning of the organization.

**Question 8:**

Vaibhav Garments Ltd/s target is to produce 10,000 shirts per month at a cost of ₹150 per shirt. The production manager could achieve this target at the cost of ₹160 per shirt. Do you think the production manager is effective? Give reasons for your answer.

**Answer:**

Yes, the production manager of Vaibhav Garments Ltd. is effective as he could achieve the target to produce 10,000 shirts in a month.

**Question 9:**

Mr. Nitin Singhania's father has a good business of iron and steel. He wants to go to the USA for his MBA but his father thinks that he should join the business. On the basis of emerging- trends, do you think that Mr. Singhania should send his son to the USA? Give any three reasons in support of your answer.

**Answer:**

Yes, according to me, Mr. Singhania should send his son to USA for his MBA because management is being recognised as a profession to a great extent because of the following reasons:

1. **Well defined body of knowledge:** Management is considered to be a well-defined body of knowledge that can be acquired through instructions. As a separate discipline, it contains a set of theories and principles formulated by various management experts. Moreover, it is taught in various schools and colleges all over the world.
2. **Ethical code of conduct:** Management, in practice, like other professions, is bound by a code of conduct which guides the behaviour of its members. Therefore, acquiring a degree in management will equip him with the good managerial, skills and approach.
3. **Service motive:** A good management course will provide him an insight into the multiple goals that an organisation should pursue. This knowledge will help him to serve both the objectives of profit maximization and social welfare effectively for his company.

## ADDITIONAL QUESTIONS

### Question 1:

Jayant is working as Head Relationship Manager in the wealth management division of a private sector bank. He has created an internal environment which is conducive to an effective and efficient performance of his team of ten relationship management executive” A typical day at work in Jay ant’s life consists of a series of interrelated and continue functions. He decides the targets for his department which are in line with the objectives of the organization as a whole. The future course of action for his team members is laid out well in advance. The various resources required by the relationship managers like an iPad with GPS system, account opening forms, brochures, details of account holders etc. are made readily available to them. The executives are given sufficient authority to carry out the work assigned to them. Jayant works in close coordination with the Human Resource Manager in order to ensure that he is able to create and maintain a satisfactory and satisfied workforce in his department.Through constant guidance and motivation, Jayant inspires them to realise their full potential. He offers them various types of incentives from time to time keeping in view their diverse individual needs.Moreover, he keeps a close watch on their individual performances in order to ensure that they are in accordance with the standards set and takes corrective actions whenever needed.

In context of the above case:

1. Identify the concept being referred to in the following line, “He has created an internal environment which is conducive to an effective and efficient performance of his team of ten relationship management executives.”
2. Identify and describe the various functions of the concept as identified in part (a) of the question by quoting lines from the paragraph.

### Answer:

1. The concept of management is being referred to in the following line, “He has created an internal environment which is conducive to an effective and efficient performance of his team of ten relationship management executives.”
2. The various functions of the management concept mentioned in the above paragraph are listed below:
  - **Planning:** It is the function of determining in advance what is to be done and who is to do it. “He decides the targets for his department which are in line with the objectives of the organization as a whole. The future course of actions for the team members are laid out well in advance.”
  - **Organising:** Organising is the process of bringing together human, physical and financial resources and establishing productive relations among them for the purpose of achieving the desired goals efficiently and effectively. “The various resources required by the relationship managers like an iPad with GPS system, account opening forms, brochures, details of account holders etc. are made readily available to them. The executives are given sufficient authority to carry out the work assigned to them.”
  - **Staffing:** The managerial function of staffing involves manning the organisational structure in order to fill in the roles designed into the structure. “Jayant works in close coordination with the human resource manager in order to ensure that he is able to create and maintain a satisfactory and satisfied workforce in his department.”
  - **Directing:** Directing involves leading, influencing and motivating employees to perform the tasks assigned to them. “Through constant guidance and motivation, Jayant inspires them to realise their full potential. He offers them various types of incentives from time to time keeping in view their diverse individual needs.”
3. **Controlling:** Controlling is the management function of ensuring that events conform to plans.”Moreover, he keeps a close watch on their individual performances in order to ensure that they are in accordance with the standards set and takes corrective actions whenever needed.”

### Question 2:

Sooraj works as a salesman in a company selling pet accessories and food. He has been given a target of selling 1200 units of the food packets in a month by offering a maximum of 10% discount to his customers. In

order to meet his monthly sales target, on the last two days of the month, he offers 15% discount to his customers.

In the context of the above case:

Is Sooraj effective in his work? Explain by giving a suitable reason in support of your answer.

**Answer:**

Yes, Sooraj is effective in his work as he has been able to meet his monthly sales target of selling 1200 units of the food packets.

**Question 3:**

Sujata works as a designer in an export house. As per the terms of an order received by the export house, she has to get 1000 units of denim jackets made in 15 days @ ₹ 2000 per jacket. She is able to complete her target production in 20 days because in order to complete the order in 15 days she would have made the workers work over time. As a result, the cost of production per jacket may have increased by ₹ 100.

In the context of the above case:

Is Sujata efficient in her work? Explain by giving a suitable reason in support of your answer.

**Answer:**

Yes, Sujata is efficient in her work as she has been able to get 1000 units of denim jackets made @ ₹ 2000 per jacket.

**Question 4:**

Anju and Manju are good friends. Considering the fact that the activities involved in managing an enterprise are common to all organizations, after completing their masters in business management, both of them take up a job at managerial level in different organizations as per their individual areas of interest. Anju takes up a marketing job in a retail company and strives to increase sales whereas Manju joins an NGO and works diligently to realize its objective related to providing employment to specially abled persons. Both of them have to perform a series of continuous, composite, but separate functions. On some days, Anju may spend more time in planning a future display layout and on another day, she may spend time in sorting out an employee's problem. Both Anju and Manju make conscious efforts to build a feeling of team spirit and coordination among diverse individuals with different needs who work under them. The effect of their management is noticeable in their respective departments as the targets are met according to plans, employees are happy and satisfied, and there is orderliness in its functioning rather than chaos.

In context of the above case:

Identify the various features of management highlighted in the above paragraph by quoting lines from it.

**Answer:**

The various features of management highlighted in the above paragraph are stated below:

1. Management is all pervasive: "Considering the fact that the activities involved in managing an enterprise are common to all organizations, after completing their masters in business management, both of them take up a job at managerial level in different organizations as per their individual areas of interest."
2. Management is a goal-oriented process: "Anju takes up a marketing job in a retail company and strives to increase sales whereas Manju joins an NGO and works diligently to realize its objective related to providing employment to specially abled persons."
3. Management is a continuous process: "Both of them have to perform a series of continuous, composite, but separate functions. Like on some days, Anju may spend more time in planning a future display layout and on another day, she may spend time in sorting out an employee's problem."
4. Management is a group activity: "Both Anju and Manju make conscious efforts to build a feeling of team spirit and coordination among diverse individuals with different needs who work under them."
5. Management is an intangible force: "The effect of their management is noticeable in their respective departments as the targets are met according to plans, employees are happy and satisfied, and there is orderliness in its functioning rather than chaos."

**Question 5:**

Real Alliance Ltd. is a well-known cement company in India. It is able to earn adequate revenues to cover costs. Its capital base, number of employees and production turnover has increased manifolds over the years. The rate of profitability of the business is also creditable. The employees of the company are happy and satisfied with their remuneration, working conditions, promotion policy etc. As a part of its moral

obligation, the company has taken many initiatives for providing employment to specially abled persons and promoting literacy in the villages adopted by it.

In the context of the above case:

1. Identify and explain the various types of objectives of management being fulfilled by Real Alliance Ltd by quoting lines from the paragraph.
2. List any two values that Real Alliance Ltd. wants to communicate to the society.

**Answer:**

The various objectives of management being fulfilled by Real Alliance Ltd are stated below:

1. **Organisational objectives:** An organization strives to achieve multiple organisational objectives, mainly:
  - **Survival:** "It is able to earn adequate revenues to cover costs."
  - **Growth:** "Its capital base, number of employees and production turnover has increased manifolds over the years."
  - **Profit:** "The rate of profitability of the business is also creditable."
2. **Personal objectives:** These objectives relate to the needs of the employees of the organization which must be given due consideration.  
"The employees of the company are happy and satisfied with their remuneration, working conditions, promotion policy etc."
3. **Social objectives:** It is expected that every organization should undertake certain initiatives for the welfare of the society at large.  
"As a part of its moral obligation, the company has taken many initiatives for providing employment to specially abled persons and promoting literacy in the villages adopted by it."
4. **The two value that Real Alliance Ltd. wants to communicate to the society are:**
  - **Social welfare**
  - **Respect for their employees**

**Question 6:**

Esha works as the cost and risk management head of a company in power sector. As a result of her excellent managerial competence, the company is able to reduce costs and increase productivity. The company belongs to infrastructure sector, wherein regular amendments are made in the government regulations and policies. She holds regular meetings to ensure that people in her department are not only aware of the related changes but are also able to adapt to these changes effectively. This helps the company to maintain its competitive edge. She motivates and leads her team in such a manner that individual members are able to achieve personal goals while contributing to the overall organisational objective. In the process of fulfilling her duties for the growth of the organisation, she helps in providing competitive services, adopting new technology, creating more employment opportunities etc. for the greater good of the people at large.

In context of the above case:

Identify the various reasons that have made management so important by quoting lines from the paragraph.

**Answer:**

The various reasons mentioned in the above paragraph that have made management so important are stated below:

1. **Management increases efficiency as it leads to reduction in costs due to optimum utilisation of resources.**  
"As a result of her excellent managerial competence the company is able to reduce costs and increase productivity."
2. **Management creates a dynamic organisation so that it is able to incorporate the corresponding changes in its working with any change in its business environment.**  
"The company belongs to infrastructure sector, wherein regular amendments are made in the government regulations and policies. She holds regular meetings to ensure that people in her department are not only aware of the related changes but are also able to adapt to these changes effectively. This helps the company to maintain its competitive edge."

3. **Management helps in achieving personal objectives of the employees in the organisation.**  
**“She motivates and leads her team in such a manner that individual members are able to achieve personal goals while contributing to the overall organisational objective.”**  
**“The employees of the company are happy and satisfied with their remuneration, working conditions, promotion policy etc.”**
4. **Management helps in the development of society by contributing effectively towards it in multiple ways.”In the process of fulfilling her duties for the growth of the organization, she helps in providing competitive services, adopting new technology, creating more employment opportunities etc. for the greater good of the people at large.”**

**Question 7:**

Ramarjuna joins an IT firm as a system analyst after completing his masters in Computer Science. As the nature of his work demands he has to work in very close coordination with all the departmental heads in the firm, very soon Ramarjuna realizes that each departmental head has own individual style of working. They differ greatly in their day-to-day approach to work. They tend to deal with a given situation, an issue or a problem through a combination of their own experience, creativity, imagination, initiative and innovation. In the context of the above case:

Identify and explain the nature of management highlighted in the above case.

**Answer:**

In the above case, management is being considered as an art.

Art is the skillful and personal application of existing knowledge to achieve desired results. The evaluation of management as an art is given below:

1. **Existence of theoretical knowledge: Art presupposes the existence of certain knowledge. Management fulfills this criterion as there exist a number of theories and principles on management which have been formulated by various management experts.**
2. **Personalised applications: Art is a personalised concept. Management fulfills this criterion as a good manager works through a combination of his own experience, creativity, imagination, initiative and innovation to carry out the assigned work.**
3. **Based on practice and creativity: All art is practical. Management fulfills this criterion as a person becomes a better manager with constant practice and experience. This also leads to emergence of different styles of management.**

S.No	Features of Art	Evaluation of Management as an Art
1.	Existence of theoretical knowledge	Fulfills this criterion
2.	Personalized applications	Fulfills this criterion
3.	Based on practice and creativity	Fulfills this criterion

**Question 8:**

Dharam is a well-known businessman in the field of publishing. He owes the success of his business to his own education in business management and his team of certified management consultants. Therefore, he decides to send both his children Danush and Damini abroad to acquire a degree in business management in their individual area of expertise. He feels that all over the world there is marked growth in management as a

discipline, but still it is not considered to be a full-fledged profession for certain reasons.

In the context of the above case:

1. Explain the reasons because of which Dharam considers management as a discipline.
2. Critically examine the various reasons because of which management is not considered to be a full-fledged profession.

**Answer:**

1. Dharam considers management as a discipline because there exist a number of theories and principles on management which have been formulated by various management experts. It is taught in various schools and colleges, all over the world, as a separate subject of study.
2. Management is not considered to be a full-fledged profession because of the following reasons:
  - **Restricted entry.** Unlike management, the entry to the other professions is restricted through an examination or eligibility criteria like specific percentage in a particular degree or diploma. However, management as profession does not fulfill this criterion as anyone can be called a manager regardless of his/her academic qualifications.
  - **Professional association:** Unlike managers, all working professionals have to be a member of an affiliated professional association which regulates their entry, grants certificate of practice and formulates and enforces code of conduct. For example, the practicing lawyers have to be a member of Bar Council of India, the practicing doctors should have membership of All India Medical Association etc. However, in case of management, although there exist several management associations like the AIMA (All India Management Association), neither does it have any statutory backing nor is it mandatory for the practicing managers to a member of such associations.

**Question 9:**

Kartik joins a garment factory as a plant supervisor in Lucknow. He observes that the output of some workers is very low as compared to the standards set for their performance. On analyzing the reasons for the same, he finds out that a lot of time of the workers is wasted in getting the requisite materials issued from the store. Whereas on asking, the store keeper complains that there is no harmony in the working of the production department as a whole. Everyday the workers approach him at the last minute to procure different kinds of threads, laces, mirrors, buttons etc. If it is not available in the store then he has to place an order with the purchase officer. As a result, a lot of time of the workers is wasted. So, in order to integrate the various production activities, henceforth, Kartik ensures, that the store keeper is informed well three days in advance about the requisite material. Consequently, the store keeper is able to keep the materials ready for the workers every morning in accordance with their requirements.

In context of the above case:

1. Identify and explain the quality of management that Kartik has introduced in the working of the production department as a corrective measure to control the output of the workers.
2. State briefly any two points highlighting the importance of quality of management identified in part (a).

**Answer:**

1. **Coordination** is the quality of management that Kartik has introduced in the working of the production department as a corrective measure to control the output of the workers. Coordination is the process which helps to integrate the efforts of different individuals with diverse needs to secure a unity of action in the pursuit of common goals.
2. The two points highlighting the importance of coordination are stated below:
  - **Growth in the size:** With the growth in the size of an organisation, there is a proportionate increase in the number of its employees. So there is a greater need to unify the efforts of diverse individuals towards the realisation of organisational goals.
  - **Functional differentiation:** As a result of functional differentiation in an organization, its people and activities get divided into small departments on the basis of functions like marketing, finance etc. Since each such department tends to formulate its own objectives, policies etc., there is a need to



reconcile the goals pursued by each of such departments with the goals of the organization as a whole.

**Question 10:**

Geetika is working in a private sector bank. One of her key function relates to the formulation of the overall organisational goals and strategies of the bank. Identify the level of management at which she is working? State any three other functions that she has to perform at this level.

**Answer:**

Geetika is working at the top level of management in the private sector bank. The three other functions that she has to perform at this level are outlined below:

1. She is responsible for the success and failure of the organisation.
2. She is responsible for all the business activities and its impact on society.
3. She has to coordinate the activities of different departments in pursuit of common goals.

**Question 11:**

Arundhati has been promoted to the post of Marketing Division Head of a soft drink company. Identify the level of management at which she will be working henceforth. State any four functions that she will have to perform at this level.

**Answer:**

Henceforth, Arundhati will be working at middle level of management.

The four functions that she will have to perform at this level are stated below:

1. She has to ensure that her department has the necessary staff.
2. She has to assign duties and responsibilities to the people in her department.
3. She has to motivate the people in her department to achieve the desired objectives.
4. She has to co-operate with the other departments for ensuring smooth functioning of the organization.

**Question 12:**

Ajay and Sanjay are childhood friends. Sanjay had lost his right hand in an accident in childhood. They meet after a long time in a restaurant. On being asked, Sanjay tells Ajay that he feels very discontented in managing his family business after the death of his father as it doesn't match with his areas of interest. Ajay knows that Sanjay possess extraordinary skills in management although he hasn't acquired any professional degree in management.

Therefore, he asks Sanjay to wind up his business in India and join him in his hotel business in Dubai as an Assistant Manager in Sales and Marketing Division.

In context of the above case:

1. Can Sanjay be deployed at the post of Assistant Manager in Sales and Marketing Division though he hasn't acquired any professional degree in management? Explain by giving suitable justifications in support of your answer.
2. List any two values that are reflected in this act of Ajay.

**Answer:**

1. Yes, Sanjay can be deployed at the post of Assistant Manager in Sales and Marketing Division although he hasn't acquired any professional degree in management as management is not considered to be a full-fledged profession because of the following reasons:
  - **Restricted entry:** Unlike management, the entry to the other professions is restricted through an examination or eligibility criteria like specific percentage in a particular degree or diploma. However, management as a profession does not fulfill this criteria as anyone can be called a manager regardless of his/her academic qualifications.
  - **Professional association:** Unlike managers, all working professionals have to be a member of an affiliated professional association which regulates their entry, grants certificate of practice and formulates and enforces code of conduct. For example, the practicing lawyers have to be a member

**of Bar Council of India, the practicing doctors should have membership of All India Medical Association etc. However, in case of management, although there exist several management association like the AIMA (All India Management Association), neither does it have any statutory backing nor is it mandatory for the practicing managers to a member of such associations.**

**2. The two values that are reflected in this act of Ajay are:**

- Compassion**
- Responsibility.**

## Maths Holiday Homework for class IX - B

① → Determine which of the following polynomials has  $(x+1)$  as factor -

(i)  $x^3 + x^2 + x + 1$

(ii)  $x^4 + x^3 + x^2 + x + 1$

(iii)  $x^4 + 3x^3 + 3x^2 + x + 1$

(iv)  $x^3 - x^2 - (2 + \sqrt{2})x + \sqrt{2}$

② → Use the factor theorem to determine whether  $g(x)$  is a factor of  $f(x)$  in each of the following cases -

(i)  $f(x) = 2x^3 + x^2 - 2x - 1$ ,  $g(x) = x + 1$

(ii)  $f(x) = x^3 + 3x^2 + 3x + 1$ ,  $g(x) = x + 2$

(iii)  $f(x) = x^3 - 4x^2 + x + 6$ ,  $g(x) = x - 3$

③ → Find the value of  $k$ , if  $(x-1)$  is a factor of  $f(x)$  in each of the following cases -

(i)  $f(x) = x^2 + x + k$

(ii)  $f(x) = 2x^2 + kx + \sqrt{2}$

(iii)  $f(x) = kx^2 - \sqrt{2}x + 1$

(iv)  $f(x) = kx^2 - 3x + k$

④ → Factorise → (i)  $12x^2 - 7x + 1$  (ii)  $2x^2 + 7x + 3$   
(iii)  $6x^2 + 5x - 6$  (iv)  $3x^2 - x - 4$

⑤ → Factorise → (i)  $x^3 - 2x^2 - x + 2$  (ii)  $x^3 - 3x^2 - 9x - 5$   
(iii)  $x^3 + 13x^2 + 32x + 20$  (iv)  $2y^3 + y^2 - 2y - 1$

⑥ → Use suitable identities to find the following products -

(i)  $(x+4)(x+10)$

(ii)  $(x+8)(x-10)$

(iii)  $(3x+4)(3x-5)$

(iv)  $(y^2 + \frac{3}{2})(y^2 - \frac{3}{2})$

⑦ → Evaluate the following products without multiplying directly -

(i)  $103 \times 107$

(ii)  $95 \times 96$

(iii)  $104 \times 96$

⑧ → Expand each of the following using suitable identities -

$$(i) \rightarrow (x+2y+4z)^2$$

$$(iii) \rightarrow (-2x+3y+2z)^2$$

$$(v) \rightarrow (-2x+5y-3z)^2$$

$$(ii) \rightarrow (2x-y+3)^2$$

$$(iv) \rightarrow (3a-4b-c)^2$$

$$(vi) \rightarrow \left[ \left(\frac{1}{4}\right)a - \left(\frac{1}{2}\right)b + 1 \right]^2$$

⑨ → Write the following cubes in expanded form -

$$(i) \rightarrow (2x+1)^3$$

$$(iii) \rightarrow \left[ \left(\frac{3}{2}\right)x + 1 \right]^3$$

$$(ii) \rightarrow (2a-3b)^3$$

$$(iv) \rightarrow \left[ x - \left(\frac{2}{3}\right)y \right]^3$$

# Maths Holiday Homework for class VI - A

- ① → Write all even numbers from 1 to 100.
- ② → Write all odd numbers from 1 to 100.
- ③ → Learn table from 2 to 20

## Activity -

Cut 1 cm x 1 cm square white papers and mark them with letters I, X, V, L and colour them as follows -


I paper → Yellow

X paper → Red

V paper → Blue

L paper → Green

Then note down age of each family members and paste the coloured papers representing age in roman numerals as follows -

S.No.	Relation	Age in Hindu Arabic Form	Roman Numeral
1-	Mother	32 years	

# Maths Holiday Homework for class VII A & B

① → Solve (i)  $\rightarrow 2 - \frac{3}{5}$  (ii)  $\rightarrow 4 + \frac{7}{8}$  (iii)  $\rightarrow \frac{3}{5} + \frac{2}{7}$  (iv)  $\rightarrow \frac{9}{11} - \frac{4}{15}$

(v)  $\rightarrow \frac{7}{10} + \frac{2}{5} + \frac{3}{2}$  (vi)  $\rightarrow 2\frac{2}{3} + 3\frac{1}{2}$  (vii)  $\rightarrow 8\frac{1}{2} - 3\frac{5}{8}$

② → Arrange the following in descending order →

(i)  $\rightarrow \frac{2}{9}, \frac{2}{3}, \frac{8}{21}$  (ii)  $\rightarrow \frac{1}{5}, \frac{3}{7}, \frac{4}{10}$

③ → Find (i)  $\frac{1}{4}$  of (a)  $\rightarrow \frac{1}{4}$  (b)  $\rightarrow \frac{3}{5}$  (c)  $\rightarrow \frac{4}{3}$

(ii)  $\frac{1}{7}$  of (a)  $\rightarrow \frac{2}{9}$  (b)  $\rightarrow \frac{6}{5}$  (c)  $\rightarrow \frac{3}{10}$

④ → Multiply and reduce to lowest form -

(i)  $\rightarrow \frac{2}{3} \times 2\frac{2}{3}$  (ii)  $\rightarrow \frac{2}{7} \times \frac{7}{9}$  (iii)  $\rightarrow \frac{3}{8} \times \frac{6}{4}$  (iv)  $\rightarrow \frac{9}{5} \times \frac{3}{5}$

(v)  $\rightarrow \frac{1}{3} \times \frac{15}{8}$  (vi)  $\rightarrow \frac{11}{2} \times \frac{3}{10}$  (vii)  $\rightarrow \frac{4}{5} \times \frac{12}{7}$

⑤ → Multiply the following fractions -

(i)  $\rightarrow \frac{2}{5} \times 5\frac{1}{4}$  (ii)  $\rightarrow 6\frac{2}{5} \times \frac{7}{9}$  (iii)  $\rightarrow \frac{3}{2} \times 5\frac{1}{3}$  (iv)  $\rightarrow \frac{5}{6} \times 2\frac{3}{7}$

(v)  $\rightarrow 3\frac{2}{5} \times \frac{4}{7}$  (vi)  $\rightarrow 2\frac{3}{5} \times 3$  (vii)  $\rightarrow 3\frac{4}{7} \times \frac{3}{5}$

⑥ → Find (i)  $\rightarrow 12 \div \frac{3}{4}$  (ii)  $\rightarrow 14 \div \frac{5}{6}$  (iii)  $\rightarrow 8 \div \frac{7}{3}$

(iv)  $\rightarrow 4 \div \frac{8}{3}$  (v)  $\rightarrow 3 \div 2\frac{1}{3}$  (vi)  $\rightarrow 5 \div 3\frac{4}{7}$

⑦ → Find the reciprocal of each of the following fractions. Classify the reciprocals as proper fractions, improper fractions and whole numbers -

(i)  $\rightarrow \frac{3}{7}$  (ii)  $\rightarrow \frac{5}{8}$  (iii)  $\rightarrow \frac{9}{7}$  (iv)  $\rightarrow \frac{6}{5}$  (v)  $\rightarrow \frac{1}{8}$  (vi)  $\rightarrow \frac{12}{7}$  (vii)  $\rightarrow \frac{1}{11}$

⑧ → Find (i)  $\rightarrow \frac{7}{3} \div 2$  (ii)  $\rightarrow \frac{4}{9} \div 5$  (iii)  $\rightarrow \frac{6}{13} \div 7$  (iv)  $\rightarrow 4\frac{1}{3} \div 3$

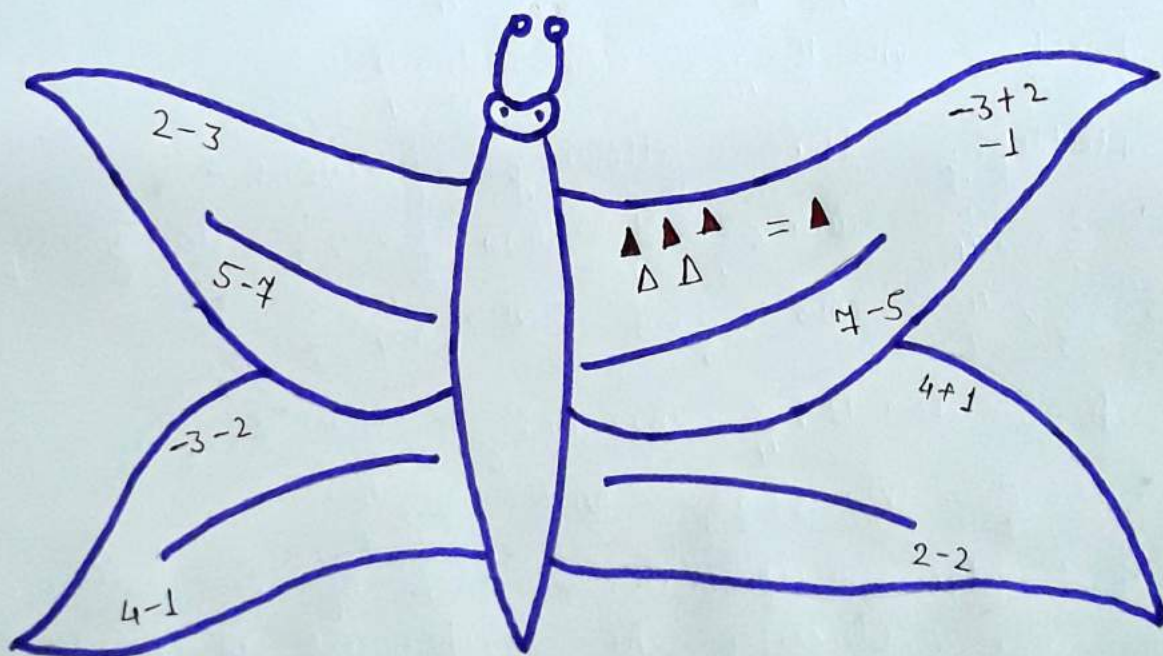
(v)  $\rightarrow 3\frac{1}{2} \div 4$  (vi)  $\rightarrow 4\frac{3}{7} \div 7$

④ → Find - (i)  $\rightarrow \frac{2}{5} \div \frac{1}{2}$  (ii)  $\rightarrow \frac{4}{9} \div \frac{2}{3}$  (iii)  $\rightarrow \frac{3}{7} \div \frac{8}{7}$  (iv)  $\rightarrow 2\frac{1}{3} \div \frac{3}{5}$   
 (v)  $\rightarrow 3\frac{1}{2} \div \frac{8}{3}$  (vi)  $\rightarrow \frac{2}{5} \div 1\frac{1}{2}$  (vii)  $\rightarrow 3\frac{1}{5} \div 1\frac{2}{3}$  (viii)  $\rightarrow 2\frac{1}{5} \div 1\frac{1}{5}$

Activity → Make the butterfly beautiful

Description - Draw butterfly as shown in sample

- ① Use red colour for negative integer and green colour for positive integer.
- ② For every integer, use one geometrical figure.
- ③ Complete the design of butterfly wings as shown in example.



# Maths Holiday Homework for class VIII - B

① → Solve the following linear equations -

$$(i) \rightarrow \frac{x}{2} - \frac{1}{5} = \frac{x}{3} + \frac{1}{4}$$

$$(ii) \rightarrow \frac{n}{2} - \frac{3n}{4} + \frac{5n}{6} = 21$$

$$(iii) \rightarrow x+4 - \frac{8x}{3} = \frac{14}{6} - \frac{5x}{2}$$

$$(iv) \rightarrow \frac{x-5}{3} = \frac{x-3}{5}$$

$$(v) \rightarrow \frac{3t-2}{4} = \frac{2t+3}{3}$$

$$(vi) \rightarrow m - \frac{m-1}{2} = 1 - \frac{m-2}{3}$$

② → Simplify and solve the following linear equations →

$$(i) \rightarrow 3(t-3) = 5(2t+1)$$

$$(ii) \rightarrow 15(y-4) - 2(y-9) + 5(y+6) = 0$$

$$(iii) \rightarrow 3(5z-7) - 2(9z-11) = 4(8z-13) - 17$$

$$(iv) \rightarrow 0.25(4f-3) = 0.05(10f-9)$$

③ → Solve the following equations -

$$(i) \rightarrow \frac{8x-3}{3x} = 2 \quad (ii) \rightarrow \frac{9x}{7-6x} = 15 \quad (iii) \rightarrow \frac{z}{z+15} = \frac{4}{9}$$

$$(iv) \rightarrow \frac{3y+4}{2-6y} = \frac{-2}{5} \quad (v) \rightarrow \frac{7y+4}{y+2} = \frac{-4}{3}$$

Activity → Framing linear equation -

Find out the age of your grandfather and father. Form a linear equation between these two -

(a) → Age of your grandfather and your age.

(b) → Your age and your father's age.



**COMPUTER SUMMER VACATION TASK 2022-23**

**CLASS VII**

1. Learn Ch1 and Ch2 for Class Test
2. Prepare Digrams on A4 Size sheet or chart paper or thermocol
  - i. Hardware components of computer
  - ii Flow Chart of Software
3. Write the history of computer in 10 A4 sheet pages approximately(i.e.,Father of Computer, How many types of computer generation.,How many types of computer are there etc.

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**CLASS IX**

- 1.Learn Ch1 and Ch2 for Class Test
2. Make a Chart on Cyber Crime Issues on Chart Paper.
3. Prepare and define each Digrams on A4 Size sheet or chart paper or thermocol
  - i.Diffrenet types of Operating Systems
  - ii.Different types of input and output devices

**CLASS X**

- 1.Learn Ch1 and Ch2 for Class Test
2. Make a Chart on Cyber Crime Issues on Chart Paper.
3. Prepare and define each Digrams on A4 Size sheet or chart paper or thermocol
  - i.Diffrenet types of Operating Systems
  - ii.Different types of input and output devices

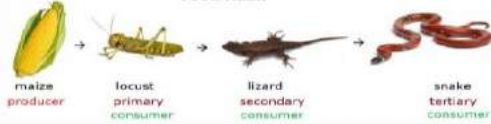
# Holiday Homework

## Class - 6

### Subject – Science


1. Make a project on Topic - Variety in Fabrics
2. Write Exercise and keywords of chapter - 2
3. Make a chart of disease caused by deficiency of Vitamins and Minerals.
4. Make chart of food components on chart paper
5. Learn whole chapter 1 and 2 properly
6. Do some extra questions of chapter no 1 and 2
7. You will do these activities

#### SCIENCE Class-VI

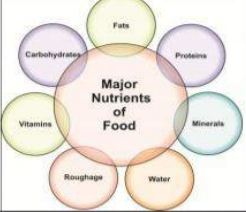
S. No.	Topic	Activity	Time	Skills Enhanced/ Learning Outcomes
1.	Food Where Does it come From	<p><b>Activity-1 : Food Habits</b> To identify the food habits of different animals and construct a food chain/web to show their inter-relationship</p> <p><b>Procedure</b></p> <ol style="list-style-type: none"> <li>1. Visit a garden in your school/ neighbour</li> <li>2. List down as many animals as you observe like insects, frogs, lizards on the grass, plants, trees, pond etc.</li> <li>3. Study their inter-relationships.</li> <li>4. Make a food chain/food web to show their food habits</li> <li>5. Sketch the diagrams to represent the food chain</li> </ol> <p><b>Task-2</b> Make some bird feed with some nuts and grains and leave it in your garden to feed the birds. Keep a bowl of fresh water every day near the bird feed (value based/life skills)</p> <p><b>Food chain</b></p>  <p>maize producer → locust primary consumer → lizard secondary consumer → snake tertiary consumer</p>	40 minutes spread to two days	<ul style="list-style-type: none"> <li>• Empathy</li> <li>• Identification</li> <li>• Drawing</li> <li>• Construction</li> <li>• Illustration</li> <li>• Finding relation</li> </ul>

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S. No.	Topic	Activity	Time	Skills Enhanced/ Learning Outcomes
		<p><b>Activity-2 : Nutrients</b> To find out the nutrients present in different packed food (health drinks)</p> <p><b>Procedure</b></p> <ol style="list-style-type: none"> <li>1. Collect 5 packed items that are available in market.</li> <li>2. Make a list of nutrients found in them.</li> <li>3. Find out the amount of each of the nutrients present in them.</li> <li>4. Note down your observations.</li> <li>5. From your observations, which food items are good or not good for your health.</li> </ol>	30 minutes	<ul style="list-style-type: none"> <li>• Exploration</li> <li>• Analysis</li> <li>• Conclusion</li> <li>• Interpretation</li> </ul>
		<p><b>Activity-3 : Cheaper Alternative of Nutrients</b> To find out the cheaper alternative of health drinks.</p> <p><b>Procedure</b></p> <ol style="list-style-type: none"> <li>1. Now for the same nutrients find out the alternative natural source such as vegetable and fruits.</li> <li>2. Calculate the cost of natural source of nutrients and compare it with that of the health drink.</li> <li>3. Find out which one is the costlier.</li> <li>4. On A4 size sheet compare the readymade health drink and the vegetables/fruits in terms of cost and nutrients content.</li> </ol>	30 minutes	<ul style="list-style-type: none"> <li>• Exploration</li> <li>• Calculation</li> <li>• Interpretation</li> <li>• Analysis</li> </ul>

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2.	Components of Food	<p><b>Activity-1 : Role of different nutrients</b> To identify the nutrients present in different foods and as per the function they perform.</p> <p><b>Procedure</b></p> <ol style="list-style-type: none"> <li>Write names of nutrients present in different fruits and vegetables (sources of food).</li> <li>Paste the pictures of different sources of nutrients in your notebook.</li> <li>Also mention the importance of each nutrient.</li> </ol> <table border="1"> <thead> <tr> <th>Nutrient</th> <th>Source</th> <th>Importance</th> </tr> </thead> <tbody> <tr> <td>Proteins</td> <td>Pulses, Milk</td> <td>Helps in building muscles</td> </tr> </tbody> </table>	Nutrient	Source	Importance	Proteins	Pulses, Milk	Helps in building muscles	40 minutes spread to two days	<ul style="list-style-type: none"> <li>Planning</li> <li>Classification</li> <li>Comparison</li> <li>Listing</li> <li>Identification</li> </ul>
Nutrient	Source	Importance								
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S. No.	Topic	Activity	Time	Skills Enhanced / Learning Outcomes
		<ol style="list-style-type: none"> <li>Categorize different sources into these groups as per the function they perform               <ol style="list-style-type: none"> <li>Body building</li> <li>Energy giving</li> <li>Protective food</li> </ol> </li> <li>Now plan the diet chart for               <ol style="list-style-type: none"> <li>Growing children</li> <li>Old grandparent</li> </ol> </li> </ol> 		
		<p><b>Activity-2 : Water in different food items</b> To test the presence of water in different food items.</p> <p><b>Procedure</b></p> <ol style="list-style-type: none"> <li>Take 50g of each of Rajma seeds, coriander leaves and potato slices, in separate plates.</li> <li>Expose them to sunlight for 4 days and observe.</li> <li>Also mention the food samples having less water.</li> </ol> <p>Is there any advantage of having less water content in food items? (think and write)</p> <p>Identify the various food items rich in water. Which of them is/are a part of your daily diet. Collect their pictures and paste in your copy.</p>	20 minutes Day - 1  Day - 4 20 minutes	<ul style="list-style-type: none"> <li>Creativity</li> <li>Critical Thinking</li> <li>Analysis</li> </ul>
		<p><b>Activity-3 : Deficiency Diseases</b> To study about Anaemia</p>	20 minutes	<ul style="list-style-type: none"> <li>Observation</li> <li>Explore</li> </ul>

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S. No.	Topic	Activity	Time	Skills Enhanced / Learning Outcomes
		<p><b>Procedure</b></p> <p>A blood test report shows that your friend is suffering from anaemia.</p> <ul style="list-style-type: none"> <li>Suggest ways/change in eating habits to your friend for her early recovery.</li> <li>Talk to her parents for any other alternatives like iron supplements for her quick recovery.</li> </ul> <p><b>Task</b></p> <p>Record/write up your suggestions on A4 size sheet and display on class display board.</p>		<ul style="list-style-type: none"> <li>Identification</li> <li>Understanding</li> <li>Critical thinking</li> <li>Problem solving</li> <li>General awareness</li> <li>Expression</li> <li>Inquisitiveness</li> <li>Presentation</li> <li>Observation</li> </ul>
		<p><b>Activity-4 : Endemic Disease</b></p> <p>To find out why a certain disease occur in an area only.</p> <p><b>Procedure</b></p> <ol style="list-style-type: none"> <li>Find out about goitre and sickle cell anaemia.</li> <li>How does it occur and where does it occur the most?</li> <li>What is the reason of its occurrence in a particular area?</li> </ol>	30 minutes	<ul style="list-style-type: none"> <li>Observation</li> <li>Explore</li> <li>Identification</li> <li>Understanding</li> <li>Critical thinking</li> </ul>

TABLE 1. Prevalence of iron deficiency - United States, National Health and Nutrition Examination surveys, 1988-1994 and 1999-2000\*

Sex/Age group (yrs)	1988-1994			1999-2000		
	No.	%	(95% CI)	No.	%	(95% CI)
<b>Both sexes</b>						
1-2	1,339	9	(6 - 11)	319	7	(3 - 11)
3-5	2,334	3	(2 - 4)	363	5	(2 - 7)
6-11	2,813	2	(1 - 3)	862	4	(1 - 7)
<b>Males</b>						
12-15	891	1*	(0.1 - 2)	547	6*	(2 - 8)
16-69	8,835	1*	(0.9 - 1)	2,084	2*	(1 - 3)
>70	1,437	4	(2 - 3)	381	3	(2 - 7)
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16-19	705	11	(7 - 14)	466	16	(10 - 22)
20-69	4,485	11	(10 - 13)	949	12	(10 - 16)
White, non-Hispanic	1,827	8	(7 - 9)	873	10	(7 - 13)
Black, non-Hispanic	2,021	15	(13 - 17)	498	19	(14 - 24)
Mexican American	1,845	19	(17 - 21)	709	22	(17 - 27)
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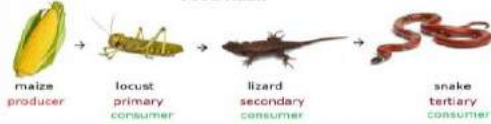
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#### SCIENCE Class-VI

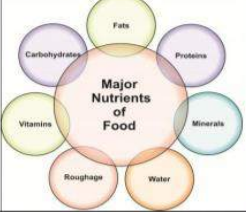
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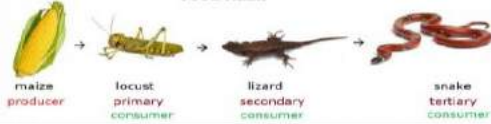
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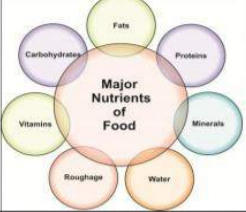
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		<p><b>Activity-3 : Cheaper Alternative of Nutrients</b> To find out the cheaper alternative of health drinks.</p> <p><b>Procedure</b></p> <ol style="list-style-type: none"> <li>1. Now for the same nutrients find out the alternative natural source such as vegetable and fruits.</li> <li>2. Calculate the cost of natural source of nutrients and compare it with that of the health drink.</li> <li>3. Find out which one is the costlier.</li> <li>4. On A4 size sheet compare the readymade health drink and the vegetables/fruits in terms of cost and nutrients content.</li> </ol>	30 minutes	<ul style="list-style-type: none"> <li>• Exploration</li> <li>• Calculation</li> <li>• Interpretation</li> <li>• Analysis</li> </ul>

S. No.	Topic	Activity	Time	Skills Enhanced / Learning Outcomes						
										
2.	Components of Food	<p><b>Activity-1 : Role of different nutrients</b> To identify the nutrients present in different foods and as per the function they perform.</p> <p><b>Procedure</b></p> <ol style="list-style-type: none"> <li>Write names of nutrients present in different fruits and vegetables (sources of food).</li> <li>Paste the pictures of different sources of nutrients in your notebook.</li> <li>Also mention the importance of each nutrient.</li> </ol> <table border="1"> <thead> <tr> <th>Nutrient</th> <th>Source</th> <th>Importance</th> </tr> </thead> <tbody> <tr> <td>Proteins</td> <td>Pulses, Milk</td> <td>Helps in building muscles</td> </tr> </tbody> </table>	Nutrient	Source	Importance	Proteins	Pulses, Milk	Helps in building muscles	40 minutes spread to two days	<ul style="list-style-type: none"> <li>Planning</li> <li>Classification</li> <li>Comparison</li> <li>Listing</li> <li>Identification</li> </ul>
Nutrient	Source	Importance								
Proteins	Pulses, Milk	Helps in building muscles								

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S. No.	Topic	Activity	Time	Skills Enhanced / Learning Outcomes
		<ol style="list-style-type: none"> <li>Categorize different sources into these groups as per the function they perform               <ol style="list-style-type: none"> <li>Body building</li> <li>Energy giving</li> <li>Protective food</li> </ol> </li> <li>Now plan the diet chart for               <ol style="list-style-type: none"> <li>Growing children</li> <li>Old grandparent</li> </ol> </li> </ol> 		
		<p><b>Activity-2 : Water in different food items</b> To test the presence of water in different food items.</p> <p><b>Procedure</b></p> <ol style="list-style-type: none"> <li>Take 50g of each of Rajma seeds, coriander leaves and potato slices, in separate plates.</li> <li>Expose them to sunlight for 4 days and observe.</li> <li>Also mention the food samples having less water.</li> </ol> <p>Is there any advantage of having less water content in food items? (think and write)</p> <p>Identify the various food items rich in water. Which of them is/are a part of your daily diet. Collect their pictures and paste in your copy.</p>	20 minutes Day - 1  Day - 4 20 minutes	<ul style="list-style-type: none"> <li>Creativity</li> <li>Critical Thinking</li> <li>Analysis</li> </ul>
		<p><b>Activity-3 : Deficiency Diseases</b> To study about Anaemia</p>	20 minutes	<ul style="list-style-type: none"> <li>Observation</li> <li>Explore</li> </ul>

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S. No.	Topic	Activity	Time	Skills Enhanced / Learning Outcomes
		<p><b>Procedure</b></p> <p>A blood test report shows that your friend is suffering from anaemia.</p> <ul style="list-style-type: none"> <li>Suggest ways/change in eating habits to your friend for her early recovery.</li> <li>Talk to her parents for any other alternatives like iron supplements for her quick recovery.</li> </ul> <p><b>Task</b></p> <p>Record/write up your suggestions on A4 size sheet and display on class display board.</p>		<ul style="list-style-type: none"> <li>Identification</li> <li>Understanding</li> <li>Critical thinking</li> <li>Problem solving</li> <li>General awareness</li> <li>Expression</li> <li>Inquisitiveness</li> <li>Presentation</li> <li>Observation</li> </ul>
		<p><b>Activity-4 : Endemic Disease</b></p> <p>To find out why a certain disease occur in an area only.</p> <p><b>Procedure</b></p> <ol style="list-style-type: none"> <li>Find out about goitre and sickle cell anaemia.</li> <li>How does it occur and where does it occur the most?</li> <li>What is the reason of its occurrence in a particular area?</li> </ol>	30 minutes	<ul style="list-style-type: none"> <li>Observation</li> <li>Explore</li> <li>Identification</li> <li>Understanding</li> <li>Critical thinking</li> </ul>

TABLE 1. Prevalence of iron deficiency - United States, National Health and Nutrition Examination surveys, 1988-1994 and 1999-2000\*

Sex/Age group (yrs)	1988-1994			1999-2000		
	No.	%	(95% CI)	No.	%	(95% CI)
<b>Both sexes</b>						
1-2	1,339	9	(6 - 11)	319	7	(3 - 11)
3-5	2,334	3	(2 - 4)	363	5	(2 - 7)
6-11	2,813	2	(1 - 3)	862	4	(1 - 7)
<b>Males</b>						
12-15	891	1*	(0.1 - 2)	547	6*	(2 - 8)
16-69	8,835	1*	(0.9 - 1)	2,084	2*	(1 - 3)
>70	1,437	4	(2 - 3)	381	3	(2 - 7)
<b>Females**</b>						
12-49	5,982	11	(10 - 12)	1,950	12	(10 - 14)
12-15	796	9	(6 - 12)	535	9	(5 - 12)
16-19	705	11	(7 - 14)	466	16	(10 - 22)
20-69	4,485	11	(10 - 13)	949	12	(10 - 16)
White, non-Hispanic	1,827	8	(7 - 9)	873	10	(7 - 13)
Black, non-Hispanic	2,021	15	(13 - 17)	498	19	(14 - 24)
Mexican American	1,845	19	(17 - 21)	709	22	(17 - 27)
50-69	2,034	6*	(4 - 7)	611	9*	(5 - 12)
>70	1,630	7	(5 - 8)	394	6	(4 - 9)

S. No.	Topic	Activity	Time	Skills Enhanced / Learning Outcomes												
		<p>4. Tabulate and conclude your findings:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Name of Disease</th> <th>Cause</th> <th>Place of Occurrence</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2.</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> 	S. No.	Name of Disease	Cause	Place of Occurrence	1.				2.					
S. No.	Name of Disease	Cause	Place of Occurrence													
1.																
2.																
		<p><b>Activity-5 : Staying Healthy the Cheaper way</b></p> <p>Search internet/any other sources and find out easily available local, cheaper alternative food items that can be included in diet to make it whole some and easily affordable.</p> <p>E.g.:</p> <ol style="list-style-type: none"> <li>Expensive dry fruits/nuts can be replaced by groundnuts, chestnut etc.</li> <li>Easily available chutney can replace expensive apple</li> </ol> <p><b>Task 2</b></p> <p>Make display cards on coloured sheets and put them on class display board.</p> <p><b>Task 3</b></p> <p>Value based – inform your maid, sweepers or other helping hands about these food that help to stay healthy.</p>	20 minutes	<ul style="list-style-type: none"> <li>Observation</li> <li>Understanding</li> <li>Discover</li> <li>Identify</li> <li>Inquisitiveness</li> <li>Expression</li> <li>Awareness</li> <li>Recognize</li> <li>Problem solving</li> <li>Creativity</li> </ul>												

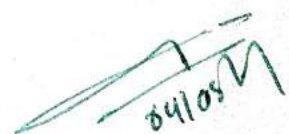






**KENDRIYA VIDYALAYA, MAU**  
**HOLIDAY HOME-WORK FOR SUMMER VACATION 2022-2023**  
**CLASS-XII**  
**SUBJECT- GEOGRAPHY**

1. Which are the three core points of the definition of the human geography given by Ellen Semple?  
एलेन द्वारा दी गई मानव भूगोल की परिभाषा के तीन प्रमुख बिंदु कौन से हैं?
2. "Nature and human beings are so intricately intertwined that they cannot be separated." Justify the statement.  
"प्रकृति और मनुष्य इतने जटिल रूप से जुड़े हुए हैं कि उन्हें अलग नहीं किया जा सकता है।" कथन का औचित्य सिद्ध कीजिए।
3. "The knowledge about nature is extremely important to develop a technology." Support this statement by giving three examples.  
"प्रौद्योगिकी विकसित करने के लिए प्रकृति के बारे में ज्ञान अत्यंत महत्वपूर्ण है।" तीन उदाहरण देकर इस कथन का समर्थन करें।
4. What is the subject matter of the study of human geography? Explain any three facts.  
मानव भूगोल के अध्ययन का विषय क्या है? किन्हीं तीन तथ्यों की व्याख्या कीजिए।
5. Explain with examples of how nature gets humanized.  
उदाहरण सहित समझाइए कि प्रकृति का मानवीकरण कैसे होता है।
6. "There is mutual interaction between the elements of physical geography and Human Geography." Support the statement with suitable examples.  
"भौतिक भूगोल और मानव भूगोल के तत्वों के बीच पारस्परिक संपर्क है।" उपयुक्त उदाहरणों के साथ कथन का समर्थन करें।
7. Define 'Human Geography' in your own words. Mention any four fields of Human Geography.  
'मानव भूगोल' को अपने शब्दों में परिभाषित कीजिए। मानव भूगोल के किन्हीं चार क्षेत्रों का उल्लेख कीजिए।
8. Define 'Human geography'. Give four examples of elements of material culture created by humans, using the resources provided by nature.  
'मानव भूगोल' को परिभाषित करें। प्रकृति द्वारा प्रदत्त संसाधनों का उपयोग करते हुए मानव द्वारा निर्मित भौतिक संस्कृति के तत्वों के चार उदाहरण दीजिए।

  
04/05/23

9. Explain the concept of 'Neo Determinism' with suitable examples.

'नव नियतिवाद' की अवधारणा को उपयुक्त उदाहरणों के साथ समझाइए

10. What is the new concept of Griffith Taylor in the field of human geography? Describe the concept with examples.

मानव भूगोल के क्षेत्र में ग्रिफ़िथ टेलर की नई अवधारणा क्या है? उदाहरण सहित अवधारणा का वर्णन करें।

11. How does technology loosen the shackles of the environment on human beings? Explain with examples.

प्रौद्योगिकी मनुष्य पर पर्यावरण की बेड़ियों को कैसे ढीला करती है? उदाहरण सहित स्पष्ट कीजिए।

12. State the six approaches of human geography.

मानव भूगोल के छह उपागमों का उल्लेख कीजिए।

13. State six different fields of human geography.

मानव भूगोल के छह विभिन्न क्षेत्रों का उल्लेख कीजिए।

14. State any six sub-fields of social geography.

सामाजिक भूगोल के किन्हीं छह उपक्षेत्रों का उल्लेख कीजिए।

15. Which are the six sub-fields of economic geography?

आर्थिक भूगोल के छह उप-क्षेत्र कौन से हैं?

16. "The knowledge and understanding of the laws of nature are extremely valuable to humankind." Explain the values that can help to use the gifts of nature in a sustainable manner.

"प्रकृति के नियमों का ज्ञान और समझ मानव जाति के लिए अत्यंत मूल्यवान है।" उन मूल्यों की व्याख्या करें जो प्रकृति के उपहारों को स्थायी रूप से उपयोग करने में मदद कर सकते हैं।

17. Explain how technology indicates the level of cultural development of society.

बताएं कि कैसे प्रौद्योगिकी समाज के सांस्कृतिक विकास के स्तर को इंगित करती है।

18. "Man occupies the central position in Human Geography." Discuss.

"मनुष्य मानव भूगोल में केंद्रीय स्थान रखता है।" चर्चा कीजिये।

19. 'Man is a slave of nature.' Discuss with two examples.

'मनुष्य प्रकृति का दास है।' दो उदाहरणों के साथ चर्चा कीजिए।

20. How has the free run developed economies damaged the environment? Give five examples.

मुक्त रूप से विकसित अर्थव्यवस्थाओं ने पर्यावरण को कैसे नुकसान पहुंचाया है? पाँच उदाहरण दीजिए।

21. Explain the concept of environmental determinism with suitable examples.

उपयुक्त उदाहरणों के साथ पर्यावरण नियतिवाद की अवधारणा की व्याख्या करें।

22. Explain the concept of possibilism with suitable examples.

संभववाद की अवधारणा को उपयुक्त उदाहरणों के साथ समझाइए।

23. What do you mean by Dualism in Geography? Give three examples. What is the meaning of words nomothetic and ideographic?

भूगोल में द्वैतवाद से आप क्या समझते हैं? तीन उदाहरण दीजिए। नाममात्र और विचारधारा शब्दों का अर्थ क्या है?

24. "Physical environment has been greatly modified by human beings, it has also, in turn impacted human lives." Explain the statement.

"भौतिक पर्यावरण को मानव द्वारा बहुत संशोधित किया गया है, इसने मानव जीवन को भी प्रभावित किया है।" कथन की व्याख्या कीजिए।

25. Distinguish between Physical environment and Cultural environment. Give three points.

भौतिक पर्यावरण और सांस्कृतिक पर्यावरण में अंतर स्पष्ट कीजिए। तीन बिंदु बताएं।

26. Distinguish between Determinism and Possibilism.

नियतिवाद और संभववाद के बीच अंतर करें।

27. Distinguish between the Regional Geography and Systematic Geography.

प्रादेशिक भूगोल और क्रमबद्ध भूगोल में अंतर स्पष्ट कीजिए।

28. Distinguish between Positivism and Humanism.

प्रत्यक्षवाद और मानवतावाद के बीच अंतर करें।

29. Describe the nature and scope of Human Geography.

मानव भूगोल की प्रकृति और कार्यक्षेत्र का वर्णन करें।

04/04/2024

केन्द्रीय विद्यालय: नेल्डूर  
संस्कृत आवकाशिक गृहकार्यम्

विषय: संस्कृतम्

कक्षा: षष्ठी ( 6 )

\* अकारान्त पुँल्लिङ्ग शब्द एकवचन द्विवचन बहुवचन रूपाणि ( पुँल्लिङ्गः )

Example : बालकः बालकौ बालकाः ( Write 15 Words like this )

\* आकारान्त स्त्रीलिङ्ग शब्दाः एकवचन द्विवचन बहुवचन रूपाणि ( स्त्रीलिङ्गः )

Example : लता लते लताः ( Write 15 words like this )

\* संस्कृत वाक्यानि ( 25 ) लिखत ।

Example 1) बालकः पठति । 2) गजः चलति । 25 Sentences like this

\* बालकः , बालिका , पुष्पम् शब्दरूपाणि लिखत । Page No. 89 & 90

\* पठ् , गम् धातुरूपाणि लिखत । ( लट् - लृट् - लङ् ) page No. 92 , 93 & 94

\* संस्कृत छात्र-प्रतिज्ञां लिखत ।

\* Complete अभ्यासः शब्दपरिचयः 1 & शब्दपरिचयः 2 in Class Work.

## **Summer Vocation Home Work**

### **KV MAU**

### **CLASS VI- MATHEMETICS**

Question 1.

Write each of the following numbers in figures:

- (a) Eighty-one million four hundred twelve thousand six hundred fifty.
- (b) Twenty million three hundred eighty thousand one hundred.
- (c) Ninety million nine.
- (d) Forty-nine million seven hundred eighty two thousand fifty eight.
- (e) Six millions three hundred fifty-two thousand nine hundred forty-six.
- (f) Seven crore twenty-three lakh eighty-six thousand, five hundred ninety-four.
- (g) Fifty crore forty lakh sixty thousand nine.
- (h) Nineteen crore, ninety lakh, fourteen thousand, six hundred eighty.

**Question 2**

**Insert commas suitably and write the names according to Indian System of Numeration:**

- (a) 4509876    (b) 600054    (c) 89007    (d) 29800072    (e) 191099049

**Question 3**

Estimate the following (by rounding off to nearest hundreds):

- (a) 6,941    (b) 6,350    (c) 416    (d) 126    (e) 109    (f) 262    (g) 146

**Question 4**

Estimate the following (by rounding off to nearest thousands):

- (a) 2,456    (b) 1,810    (c) 25,564    (d) 7,210    (e) 6,499    (f) 62,535

**Question 5**

X and Y worked as salesperson at a book store. They sold 6283 story books in all. X sold 3324 story books. How many story books were sold by Y?

**Question 6**

A factory makes 132 machines per day. How many machines will the factory make in March?

**Question 7**

The population of a town was 9,75,689. In the first year it increased by 4563 and in the second year it decreased by 8976. What was the population of the town at the end of second year?

**Question 8**

Write Hindu-Arabic numerals for:

- (a) LXXXVI    (b) LXXV    (c) XCIX    (d) XCI

**Question 9**

Write the following in Roman numerals:

- (a) 72    (b) 38    (c) 416    (d) 196    (e) 87

Question 10

Estimate the following products:

- (a)  $86 \times 316$     (b)  $898 \times 786$

Question 11.

Give one example for each of the following properties for whole numbers.

- (a) Closure property
- (b) Commutative property
- (c) Associative property
- (d) Distributive property

Question 12.

Using the properties of whole numbers, find the value of the following in suitable way:

- (a)  $945 \times 4 \times 25$
- (b)  $40 \times 328 \times 25$

Question 13.

Using the properties, find the values of each of the following:

- (a)  $736 \times 102$
- (b)  $8165 \times 169 - 8165 \times 69$

Question 14.

Write the predecessor of the smallest 4-digit number.

Question 15.

Find the product of the greatest 3-digit number and the smallest 2-digit number.

Question 16.

Solve the following with suitable and short-cut method: .

- (a)  $86 \times 5$
- (b)  $86 \times 15$
- (c)  $86 \times 25$
- (d)  $86 \times 35$
- (e)  $86 \times 50$
- (f)  $96 \times 125$
- (g)  $96 \times 250$
- (h)  $112 \times 625$

Question 17.

Fill in the blanks.

- (a) The smallest whole number is .....
- (b) The smallest natural number is .....
- (c) Difference between 5-digit smallest number and 4-digit largest number is .....
- (d) Any number divided by 0 is not .....
- (e) The property used in  $84 \times 25 = 25 \times 84$  is .....
- (f) The property used in  $80 \times (60 + 3) = 80 \times 60 + 80 \times 3$  is .....
- (g) Every whole number except ..... is a natural number.
- (h) When any counting number is multiplied by zero, the product is .....
- (i) When zero is divided by any non-zero whole number, the quotient is .....

List of Subject Enrichment Activities:

1. To find out prime numbers from 1 to 100 without actually checking the factors of a number.
2. To find the sum of two given integers with the help of number line.
3. To verify that addition is commutative for whole numbers.
4. To make a protractor by paper folding.
5. To draw an angle of  $45^\circ$  by paper folding

Summer Vacation Home Work

K V MAU

CLASS IX- MATHEMETICS

**1. NUMBER SYSTEM**

1. Visualize 3.465 on the number line using successive magnification.
2. Find three different rational between  $\frac{2}{5}$  and  $\frac{3}{7}$ .
3. If a & b are rational number, find the value of a & b in each of the following equalities.

$$\frac{5+\sqrt{7}}{5-\sqrt{7}} = a + b\sqrt{7}$$

4. Rationalise the denominator.  $\frac{1}{\sqrt{7}-\sqrt{5}}$
5. Represent  $\sqrt{6}$  on number line. And justify it.

**2. POLYNOMIAL**

1. Expand -

(i)  $(4a - 3b + c)^2$  (ii)  $(y - \frac{2}{5}x)^3$  using suitable identity.

2. Factorise -

$$25x^2 + 36y^2 + 49z^2 + 60xy - 84yz - 70zx$$

3. Factorise -

(i)  $25y^2 + 110y + 121$  (ii)  $\frac{9}{4}x^2 - 8xy + \frac{64}{9}$

4. Evaluate -

(i)  $(101)^3$  (ii)  $1015^2 - 1014^2$  (iii)  $94 \times 106$  (iv)  $(97)^3$   
using suitable identities.

5. Factorise -

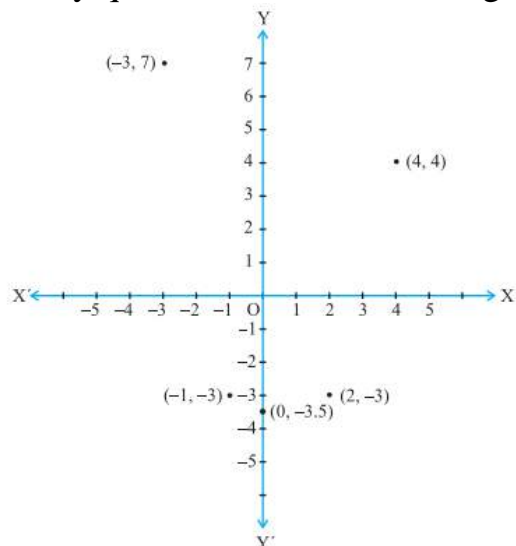
(i)  $125x^3 + 27y^3 + 8z^3 - 90xyz$  (ii)  $64x^3 - 343y^3$

6. Without finding cubes, factorise -

(i)  $(2r - 3s)^3 + (3s - 5t)^3 + (5t - 2r)^3$  (ii)  $(\frac{-3}{4})^3 + (\frac{-5}{8})^3 + (\frac{11}{8})^3$

**3. CO - ORDINATE GEOMETRY**

1. Locate : A(- 2,5), B(6,6), C(- 7,- 3), D(0,- 6), E(4,0), F(2,6) on the Cartesian plane.
2. In which quadrants do the points (i) (3,- 4) (ii) (- 5,- 6) lie ?
3. Identify quadrants and axis of the given points.



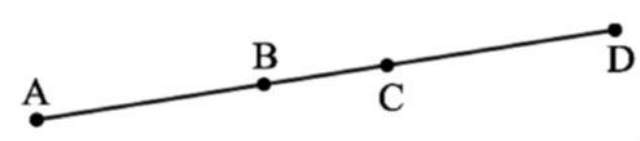
## 4. LINEAR EQUATIONS IN TWO VARIABLES

### ONE MARKS QUESTIONS:-

- Through which of the following points, the graph of  $y = -x$  passes?  
(i) (1, 1)  
(ii) (0, 1)  
(iii) (-1, 1)
- Through which of the following points, the graph of the linear equation  $3x - 2y = 0$ , passes?  
(i)  $\left(\frac{2}{3}, -\frac{2}{3}\right)$       (ii)  $\left(\frac{2}{3}, \frac{3}{2}\right)$       (iii)  $\left(\frac{1}{3}, \frac{1}{2}\right)$
- On which of the following equations, the point of the form  $(m, -n)$  lies Give an equation.

## 5. EUCLID'S GEOMETRY

- If a point R lies between two points A and B such that  $PR = QR$ , then prove that  $PR = \frac{1}{2}PQ$ . Explain by drawing the figure.
- In below Fig. , if  $AC = BD$ , then prove that  $AB = CD$



- Explain Euclid's fifth postulate.
- Write Euclid's Axioms.
- Write Euclid's Postulates.
- How would you rewrite Euclid's fifth postulate so that it would be easier to understand?

### List of Subject Enrichment Activities

- To construct a Square Root Spiral, that depicts the square root of natural numbers  $\sqrt{1}, \sqrt{2}, \sqrt{3}$  etc..
- To obtain the square root of any given positive real number (say 6.5) through an activity, involving paper folding and geometrical construction.
- To interpret geometrically the factors of a quadratic expression of the type  $x^2 + b x + c$ .
- To find out the relationship between vertically opposite angles, formed by the intersection of two lines, using method of tracing.
- To verify the Angle Sum property of a triangle, using the method of paper cutting and pasting.



Summer Vacation Home Work

K V MAU

CLASS VII- MATHEMETICS

**Lesson: 1 (Integers)**

1. Find each of the following products.
  - (i)  $3 \times (-1)$
  - (ii)  $(-1) \times 225$
  - (iii)  $(-21) \times (-30)$
  - (iv)  $(-316) \times (-1)$
  - (v)  $(-15) \times 0 \times (-18)$
  - (vi)  $(-18) \times (-5) \times (-4)$
  - (vii)  $(-1) \times (-2) \times (-3) \times 4$
  - (viii)  $(-3) \times (-6) \times (-2) \times (-1)$
2. What will be the additive inverse of -1?
3. List two integers which are smaller than  $-3$ , but their difference is greater than  $-3$ .
4. Complete the following patterns with integers:
  - (i)  $-7, -3, 1, 5, \underline{\quad}, \underline{\quad}, \underline{\quad}, \underline{\quad}$
  - (ii)  $-12, -10, -8, -6, \underline{\quad}, \underline{\quad}, \underline{\quad}, \underline{\quad}$
  - (iii)  $-20, -15, -10, -5, \underline{\quad}, \underline{\quad}, \underline{\quad}, \underline{\quad}$
5. Compare the sums  $12 + (-20)$  and  $(-12) + 20$ .
6. In a class test containing 10 questions, '3' marks are awarded for every correct answer and  $(-1)$  mark is for every incorrect answer and '0' for questions not attempted.
  - (i) Aditya gets 5 correct and 5 incorrect answers. What is his score?
  - (ii) Aditi gets 7 correct answers and 3 incorrect answers. What is her score?
  - (iii) Shreya gets 3 correct and 4 incorrect answers out of seven questions she attempts. What is her score?
7. Height of a place A is 2000 m above sea level. Another place B is 800 m below sea level. What is the difference between the levels of these two places?
8. Sana and Fatima participated in an apple race. The race was conducted in 6 parts. In the first part, Sana won by 10 seconds. In the second part she lost by 1 minute, then won by 20 seconds in the third part and lost by 25 seconds in the fourth part, she lost by 37 seconds in the fifth part and won by 12 seconds in the last part. Who won the race finally?
9. A green grocer had a profit of Rs. 47 on Monday, a loss of Rs. 12 on Tuesday and loss of Rs. 8 on Wednesday. Find his net profit or loss in 3 days.
10. A multistorey building has 25 floors above the ground level each of height 5m. It also has 3 floors in the basement each of height 5m. A lift in building moves at a rate of 1m/s. If a man starts from 50m above the ground, how long will it take him to reach at 2nd floor of basement?
11. In an objective type test containing 25 questions. A student is to be awarded +5 marks for every correct answer,  $-5$  for every incorrect answer and zero for not writing any answer. Create the ways of scoring 120 marks by a student.

12. A boy standing on the second stair on a staircase goes up by six more stairs. Which stair is he standing at now? At which step will he be after he comes down by 2 stairs?

### Lesson: 2

#### (Fractions & Decimals)

1. Simplify: (i)  $2 + \frac{3}{4}$  (ii)  $\frac{5}{9} + \frac{2}{3}$  (iii)  $2\frac{2}{3} + \frac{1}{4}$
2. Arrange the following in ascending order: (i)  $\frac{5}{6}, \frac{1}{2}, \frac{5}{8}$  (ii)  $\frac{2}{5}, \frac{3}{10}, \frac{2}{6}$
3. Find each of the following products: (i)  $\frac{5}{11} \times \frac{7}{6}$  (ii)  $\frac{2}{3} \times 5\frac{1}{5}$
4. Find: (i)  $18 \div \frac{3}{4}$  (ii)  $5 \div 3\frac{4}{7}$
5. Ravi can walk  $2\frac{2}{3}$  km in one hour. How long will it take him to walk to his office which is 20 km from his home?
6. Manoj travels 720 km on three fifths of his petrol tank. How far would he travel at the same rate with a full tank of petrol?
7. Kajol has Rs. 75. This is  $\frac{3}{8}$  of the amount she earned. How much did she earn?
8. Family photograph has length  $24\frac{2}{5}$  cm and breadth  $20\frac{2}{5}$  cm. It has border of uniform width  $3\frac{3}{5}$  cm. Find the area of framed photograph.
9. Cost of a burger is Rs.  $30\frac{3}{4}$  and of Macpuff is Rs.  $25\frac{1}{2}$ . Find the cost of 4 burgers and 14 macpuffs.
10. A hill,  $101\frac{1}{3}$  m in height, has  $\frac{1}{4}$  th of its height under water. What is the height of the hill visible above the water?

### List of Subject Enrichment Activities

1. To represent sum of two fractions by paper cutting and pasting activity.
2. To find the relation between an exterior angle and interior opposite angle of a triangle by an activity.
3. To find the sum of angles of a triangle by an activity.
4. To find the relationship among the sides of a triangle.
5. To verify Pythagoras Property by an activity.

Summer Vacation Home Work

K V MAU

CLASS VIII- MATHEMETICS

**Lesson: 1 – Rational Numbers**

1. Represent the following rational numbers on the number line  
(a)  $-\frac{1}{4}$  (b)  $-1\frac{1}{5}$  (c)  $-3\frac{8}{5}$
2. Find two rational numbers between (i)  $-2$  and  $2$ . (ii)  $-1$  and  $0$ .
3. Insert six rational numbers between (i)  $-\frac{1}{3}$  and  $-\frac{2}{3}$  (ii)  $\frac{1}{4}$  and  $\frac{1}{2}$ .
4. Arrange the following numbers in descending order:  $-\frac{5}{6}$ ,  $-\frac{7}{12}$ ,  $-\frac{13}{28}$ ,  $\frac{23}{-24}$
5. Represent  $4\frac{2}{3}$  on the number line.
6. What number should be added to  $-\frac{7}{8}$  to get  $\frac{4}{9}$ ?
7. The sum of two rational numbers is  $-\frac{1}{2}$ . If one of the numbers is  $\frac{5}{6}$ , find the other.
8. After reading  $\frac{7}{9}$  of a book, 40 pages are left. How many pages are there in the book?
9. A drum full of rice weights 4016 kg. If the empty drum weights 1334 kg, find the weight of rice in the drum.
10. Raju earns Rs16000/month. He spends  $\frac{1}{4}$  of his income on food;  $\frac{3}{10}$  of the remainder on house rent and  $\frac{5}{21}$  of the remainder on education of children. How much money is still left with him?

**Lesson: 2**

**(Linear Equations In One Variable)**

1. Check whether the LHS and RHS are equal for the given values of x  
(i)  $8x-3 = 4x+5$  for  $x=2$  (ii)  $4(x-5) = 21$  for  $x =11$
2. Complete the following table :

No.	Statement	Linear equation
(i)	Half a number plus 6 is 11	
(ii)	The ratio of two numbers is 7:2 and the sum is 18	
(iii)	A car travels at a speed of s km/hr from Bhopal to Indore. After the journey of 3 hours, Indore is still 65 km away. Express the distance from	

	Bhopal to Indore using variable S.	
(iv)	If 11 is subtracted from half of a number the result is 4	
(v)	Twice of a number added to half of the number equals to 25. Find the number	

3. Solve the following linear equations:

(i)  $3X+5 = 14$

(ii)  $Y- 3 = 12$

(iii)  $2(x-5) = 15$

4. If father is twice as old as his son and also 29 years older than his son. What is the age of father?

5. If you subtract  $\frac{1}{2}$  from a number and multiply the result by  $\frac{1}{2}$ , you get  $\frac{1}{8}$ . What is the number?

6. The perimeter of a rectangular swimming pool is 154 metres. Its length is 2 m more than twice its breadth. What are the length and breadth of the pool

7. Three consecutive integers are as such when they are taken in increasing order and multiplied by 2, 3, and 4 respectively, they add up to 74. Find these numbers

8. The ages of Rahul and Haroon are in the ratio of 5:7. Four years from now sum of their ages will be 56 years. Find their present age.

### List of Subject Enrichment Activities:

1. Representation of rational number on the number line by a practical activity.

2. To verify the properties of a parallelogram by activity.

3. To verify angle sum property of a quadrilateral by practical activity.

4. To construct a quadrilateral when the lengths of 4- sides and a diagonal are given.

5. To verify the algebraic identity by paper cutting and pasting method:

$$(x+a)(x+b)=x^2+(a+b)x+ab$$

Summer Vacation Home Work

K V MAU

CLASS X- MATHEMETICS

**1. REAL NUMBER**

1. Given that  $HCF(306, 657) = 9$ , find  $LCM(306, 657)$ .
2. Prove that  $\sqrt{3}$  is an irrational number.
3. Find the HCF of 135 and 225.
4. Check whether  $12^n$  can end with the digit 0 for any natural number n.
5. Explain why  $7 \times 12 \times 13 + 13$  is a composite number?
6. Two positive integers p and q can be expressed as  $p = ab^2$  and  $q = a^2b$ , a and b are prime numbers. What is the LCM of p and q?
7. An army contingent of 616 members is to march behind an army band of 32 members in a parade. The two groups are to march in the same number of columns. What is the maximum number of columns in which they can march?
8. Find the LCM and HCF of 12, 15 and 21 by applying the prime factorization method.
9. There is a circular path around a sports field. Sonia takes 18 minutes to drive one round of the field, while Ravi takes 12 minutes for the same. Suppose they both start from the same point and at the same time, and go in the same direction. After how many minutes will they meet again at the starting point?
10. The LCM of two numbers is 14 times their HCF. The sum of LCM and HCF is 600. If one number is 280, then find the other number.

**2. POLYNOMIAL**

1. Check whether the first polynomial is a Factor of the second polynomial by applying division algorithm.
2. (i)  $g(x) = 2x - 1$  ;  $p(x) = ax^3 - 12x^2 + 14x - 3$  (ii)  $g(x) = x^2 - 3x + 2$  ;  
 $P(x) = 2x^4 - 6$
3. Find the zeros of the given quadratic polynomials and verify the relationship between the zeros and the coefficients.  
(i)  $x^2 + 5x + 6$  (ii)  $2x^2 + 4x + 5$
4. Write the polynomials whose zeros are (i)  $-5, 4$  (ii)  $2 + \sqrt{3}, 2 - \sqrt{3}$
5. If one zero of the quadratic polynomial  $f(x) = 4x^2 - 8kx - 9$  is equal in magnitude but opposite in sign of other, find the value of k

**3. PAIR OF LINEAR EQUATION IN TWO VARIABLES**

1. The cost of 2 kg of apples and 1kg of grapes on a day was found to be Rs 160. After a month, the cost of 4 kg of apples and 2 kg of grapes is Rs 300. Represent the situation algebraically and geometrically.
2. Half the perimeter of a rectangular garden, whose length is 4 m more than its width, is 36 m. Find the dimensions of the garden.
3. Solve  $2x + 3y = 11$  and  $2x - 4y = -24$  and hence find the value of ' $m$ ' for which  $y = mx + 3$ .
4. A lending library has a fixed charge for the first three days and an additional charge for each day thereafter. Saritha paid Rs 27 for a book kept for seven days, while Susy paid Rs 21 for the book she kept for five days. Find the fixed charge and the charge for each extra day.
5. The area of a rectangle gets reduced by 9 square units, if its length is reduced by 5 units and breadth is increased by 3 units. If we increase the length by 3 units and the breadth by 2 units, the area increases by 67 square units. Find the dimensions of the rectangle.
6. Ritu can row downstream 20 km in 2 hours, and upstream 4 km in 2 hours. Find her speed of rowing in still water and the speed of the current.
7. 2 women and 5 men can together finish an embroidery work in 4 days, while 3 women and 6 men can finish it in 3 days. Find the time taken by 1 woman alone to finish the work, and also that taken by 1 man alone.

### **List of Subject Enrichment Activities:**

1. Prove that  $\sqrt{2}$  is an irrational number.
2. Geometrical meaning of the zeroes of a polynomial.
3. Graphical method of solution of a pair of linear equations.
4. To find the solution of quadratic equation by completing square method.
5. To find the sum of first  $n$  natural numbers.

English Holiday Homework  
For Summer Vacation  
Class - X

1. Do two comprehension passages on factual matter and write questions and answers both. (10 questions- answers from each.)
2. Do two discursive passages with their questions-answers. (at least 10 from each)
3. Write 5 articles - "Mobile and its effect on children", "My Expression on online and offline classes", "Global Effect of War" and 02 of your own choice.
4. Write a diary entry about how you spent your summer vacation.
5. Learn and revise verb forms, Tenses and read the stories of Supplementary Reader.
6. Write two applications to the Principal of your school on given topics. (Sick leave, reason your late arrival to school.)

Holiday Homework for Summer Vacation  
Class-VI      Sub-English

1. Write 01 page handwriting daily.
2. Write 02 Applications to the Principal of your school. (01 for sick leave and 01 for your late arrival to the school.)
3. Write paragraphs on the following topics.
  - Myself
  - My School
  - My Family
  - My Best Friend
4. Learn one poem by heart.
5. Learn verb forms and summary of 'A Tale of Two Birds'.

Note → [ Do the Homework on your C.W. Notebook ]



Holiday Homework for Summer Vacation  
Class-VI      Sub-English

1. Write 01 page handwriting daily.
2. Write 02 Applications to the Principal of your school. (01 for sick leave and 01 for your late arrival to the school.)
3. Write Paragraphs on the following topics.
  - My self
  - My school
  - My Family
  - My Best Friend
4. Learn one poem by heart.
5. Learn verb forms and summary of 'A Tale of Two Birds'.

Note → [ Do the Homework on your c.w. Notebook ]

classmate  
Date \_\_\_\_\_  
Page \_\_\_\_\_

Holiday Homework for Summer Vacation

Class - VIII      Sub - English

1. Write 50 new verb forms and learn them.
2. Learn or poem and summary of 'The Best Christmas Present in the World.'
3. Write two applications to the Principal of your school on the given topics —  
(Sick leave, Reason for your late arrival to the school.)
4. Write two informal letters to your friend / relatives.
5. Read lesson 1-5 from supplementary Reader.
6. Write a diary entry on how you spent your summer vacation.

## English Holiday Homework

1. Solve two factual passages and two discursive passages from any sample paper/NCERT App.
2. Write five articles on - 'Mobile and its effect on students', 'My Expressions on Online and offline Class', 'Global Effect of the ongoing war', 'Benefits of Silence', 'Advantages of Summer Camp'
3. Write a diary Entry on how you spent your Summer vacation.
4. Write two applications to the Principal of your school on the give topics (Sick leave, reason of your late arrival to the school).

## ENGLISH Holiday Homework

1. Write 4 Applications to the principal of your school (10' for each of the following - sick leave, change of section, fee concession, reason for your late arrival to the school).
2. Write 2 informal letters (to family members, friends or close relatives).
3. Write paragraphs on the following topics - Mobile and its effect on children, summer vacation, Importance of trees.
4. Learn one poem, verb forms summary of Three Questions.
5. Read lesson 1 to 5 lesson of your Supplementary Reader and write 2 summaries.

## Class IX

- Q-1- Write a biography of "Bismillah Khan" in a project file in 400-500 words. Give all important details about ~~at~~ his life. Draw a sketch of him.
- Q-2- Read the poem "The Wind" and understand it well. Write the central idea of the poem. Write the poem beautifully in your Notebook.
- Q-3- Revise Tense and its forms.  
Learns 50 Verbs forms by heart.
- Q-4- Write a paragraph on the topic "Child Labour" in about 150-60 words.

## Class + X

- Q-1- Write a biography of "Nelson Mandela" in a project file in 400-500 words. Give all important details about his life. Draw a sketch of him.
- Q-2- Read the poem "A Tiger in The Zoo" and understand it well. Write the poem in your notebook beautifully.
- Q-3- Revise Tense and its forms.  
Learns 50 Verbs form by heart.
- Q-4- Write a paragraph on the topic "Brain Drain" in about 150-160 words.

## Class VII

- Q-1 - Write an application to your principal for providing sufficient water supply in your school.
- Q-2 - Learn Question - Answer and all difficult words written in your notebook.
- Q-3 - Write a paragraph in 100 words -  
→ IPL - 2022  
→ Your favourite Cricketer.
- Q-4 - Write 10 page handwriting beautifully.

## Holiday Homework

2022-23

### Class VI A & C

- Q-1 - Read the lesson "Who Did Patrick's Homework?" and "How Did The Dog Found Himself a New Master". Write few sentences about Patrick and Elf.
- Q-2 - Learn Question - Answer and all difficult words written in your notebook.
- Q-3 - Write an application to the principal of your school requesting him to grant you two days' leave to attend your brother's marriage.
- Q-4 - Write the poem "The Kite" beautifully in your Notebook. Recite the poem with proper intonation.
- Q-5 - Write 10 page handwriting beautifully.

# Holiday Home-Work (Summer Vacation)

Class XIIA

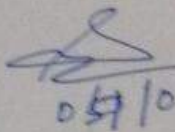
Sub : Mathematics

Chapter : 4. Determinants.

Notes : (provided by me)

CW : 40 Questions (Given)

HW : 20 Questions (Given)

  
05/05/22

Saket Mohan  
Srivastava  
PGT (Maths).  
K. V. May.

## Holiday Homework for Summer Vacation

Class - IX      Sub - English

- 1- Solve two Factual Passages and two Discursive Passages from any sample paper / NCERT App.
2. Write 5 articles on- 'Mobile and its Effect on Students', 'My Expression on online and offline class', 'Global Effect of the ongoing war', 'Benefits of Silence', 'Advantages of Summer Camp'.
3. Write a Diary Entry on how you spent your Summer Vacation.
4. Write two applications to the Principal of your school on the given topics.  
(Sick leave, reason of your late arrival to the school.)
- 5- Learn and revise verb forms and Tenses.



## Holiday Homework for Summer Vacation

Class - IX      Sub - English

- 1- Solve two Factual Passages and two Discursive Passages from any sample paper / NCERT App.
2. Write 5 articles on- 'Mobile and its Effect on Students', 'My Expression on online and offline class', 'Global Effect of the ongoing war', 'Benefits of Silence', 'Advantages of Summer Camp'.
3. Write a Diary Entry on how you spent your Summer Vacation.
4. Write two applications to the Principal of your school on the given topics.  
(Sick leave, reason of your late arrival to the school.)
- 5- Learn and revise verb forms and Tenses.

## English Holiday Homework

1. Do two comprehension passage on factual matter and their write questions and answers both.
2. Do two discursive passage with their Q. Ans.
3. Write five articles - "Mobile and its effect on children", "My Expression on online and offline classes", "Global effect of War".
4. Write a Diary Entry about how you spent your summer vacation.
5. Learn and revise Verb forms, Tenses and Read the stories of Supplementary Reader.
6. Write two applications to the Principal of your school on given topics (sick leave, reason for late arrival to the school).

Hindi - कक्षा 8अ + 8स

गृष्मावकाश हेतु गृह-कार्य

1. एक औपचारिक एवं अनौपचारिक पत्र लिखें।
2. वन रहेंगे हम रहेंगे तथा भारतीय किसान पर 250 शब्दों में एक-एक निबंध लिखिए।
3. 20 मुद्रावरो का अर्थ लिखकर वाक्य में प्रयोग कीजिए।
4. किन्हीं 30 शब्दों का विलोम शब्द लिखिए।
5. कोई 3 कवितारं लिखें तथा उन्हें कंठस्थ करिए।
6. 5 पंज सुलेख भी लिखिए।

उत्सवकाश - १० मं ०/१८  
Hindi

कक्षा - ६ व

PAGE No  
DATE: / / 2016

- १ एक औपचारिक तथा एक अनौपचारिक पत्र लिखें।
- २ अपने विद्यालय पर २५० शब्दी का एक निबंध लिखिए।
- ३ किन्ही २० मुहावरों का अर्थ लिखकर वाक्य में प्रयोग कीजिए।
- ४ किन्ही ४० शब्दी का विलोम शब्द लिखें।
- ५ कोई ३ कविताएँ लिखिए तथा उन्हें कंठस्थ कीजिए।
- ६ पाँच पेज सुलेख लिखिए।

study time

CLASS - 9<sup>th</sup> A

Date: \_/ \_/ \_

MON TUE WED THR FRI SAT SUN

शीघ्र अवकाश हेतु गृहकार्य

- 1) एक औपचारिक तथा अनौपचारिक पत्र लिखें।
- 2) सिद्ध कीजिये की विज्ञान वरदान तथा अभिशाप दोनों हैं।  
पर्यटन पर 300 शब्दों में (250-300) लेख लिखें।
- 3) अर्थ के आधार पर वाक्यों के भेद लिखें।
- 4) उपसर्ग और प्रत्यय से संबंधित (10-10 शब्दों को लिखिये)
- 5) अनुप्रास यमक तथा स्तैस अलंकार के परिभाषा लिखिए तथा दो उदाहरण दियिए
- 6) द्वंद्व, तत्पुरुष तथा बहुव्रीहि समास के परिभाषा लिखिए तथा 5-5 उदाहरण दियिए।

विषयार्थपापक - सम. राम

X<sup>th</sup> B

गुष्मवकाश गृह कार्य

- 1- एक औपचारिक तथा एक अनौपचारिक पत्र लिखें।
- 2- ग्लोबल वार्मिंग तथा देहज प्रथा पर 300 शब्दों में निबंध लिखें।
- 3- 'सुरदास' का जीवन परिचय तथा कृतियों पर प्रकाश डालें।

1	पृष्ठ सं.	प्रश्न सं.
4-		
(i)	7	(i) 1 से 7 तक
(ii)	64	(ii) 1 से 5 तक

केन्द्रीय विद्यालयः

ग्रीष्मकालीन आवकाशिक गृहकार्यम्

विषयः संस्कृतम्

कक्षा: सप्तमी ( 7 )

- \* सुभाषितानि श्लोकान् लिखत , कण्ठस्थीकुरुत । Write सुभाषितानि Poems and Learn
- \* संख्या: 1 - 50 संस्कृते लिखत । Write 1-50 numbers in Sanskrit  
Write some Examples with pictures.
- \* किम् शब्दः ( पुँल्लिङ्ग-स्त्रीलिङ्ग-नपुंसकलिङ्गाः )
- \* धातुरूपाणि ( पठ् , खाद् , क्रीड् ) लट्-लृट्-लङ् ( वर्तमान- भविष्यत्-भूतकालाः )
- \* संस्कृत प्रतिज्ञां लिखित्वा कण्ठस्थीकुरुत ।
- \* Complete the Grammar part ( अभ्यासः ) of सुभाषितानि & दुर्बुद्धिः विनश्यति in Class Work .





केन्द्रीय विद्यालयः

ग्रीष्मकालीन आवकाशिक गृहकार्यम्

विषयः संस्कृतम्

कक्षा: अष्टमी ( 8 )

- \* सुभाषितानि श्लोकान् लिखत । Write सुभाषितानि Poems .
- \* संख्या: 1 - 60 संस्कृते लिखत । Write 1-60 numbers in Sanskrit.
- \* बालक , बालिका , नदी , पुष्पम् शब्दरूपाणि लिखत ।
- \* किम् शब्दः ( पुँल्लिङ्ग-स्त्रीलिङ्ग-नपुंसकलिङ्गाः )
- \* धातुरूपाणि ( पठ् , खाद् , क्रीड् , लिख् ) लट्-लृट्-लङ् ( वर्तमान- भविष्यत्-भूतकालाः )
- \* संस्कृत प्रतिज्ञां लिखित्वा अभ्यासं कुरुत ।
- \* Complete the Grammar part ( अभ्यासः ) of सुभाषितानि in Class Work .

## Work Education Summer vacation Holiday homework

### Class- VI

Objective- to know about electrical appliances and to aware parents about safety precautions

- Q.1) make a list of number of electrical appliances used in your home?
- Q.2) make a list of appliances working on batteries or dc supply in your home?
- Q.3) make a list of appliances working on AC mains power supply in your home?
- Q.4) discuss about safety precautions while working on electrical system with your parents?
- Q.5) collect electrical components as battery, motor etc. from e-waste at home and list out with their names and diagrams?
- Q.6) Identify and make a list of electrical components used in your home?
- Q.7) Make a small project virtually on website [www.dcaclab.com](http://www.dcaclab.com)

### Class- VII

Objective- to be familiar with electrical components and electrical appliances

- Q.1) list out number of wires used in house wiring with their color code and their importance and functioning?
- Q.2) collect electrical components like motor generator batteries from waste material like damaged toy car and note down in your notebook with diagram?
- Q.3) Identify the electrical appliances working on AC and DC at your home and note it down separately?
- Q.4) discuss about Earth wire and its importance in your home with your parents?
- Q.5) make a chart of electrical components used at your home as switch, holder, plug, socket etc.?
- Q.6) differentiate between static electricity and dynamic electricity with their uses and applications and with practical examples?
- Q.7) Make a small project virtually on website [www.dcaclab.com](http://www.dcaclab.com)

### Class- VIII

Objective- to know about electrical safety devices and to aware parents about importance of CPR and shock treatment

- Q.1) discuss about electrical shock and electrical safety rules to avoid it with your parents?
- Q.2) make a layout diagram for wiring at your home from energy meter to switch board?
- Q.3) Identify the safety devices used in house wiring and draw the diagram and write their importances?
- Q.4) Discuss about CPR "cardio pulmonary resuscitation" as first aid with your parents and do the practical of it and discuss about the importance of CPR as life saving tool?
- Q.5) Collect different types of magnets available at your home and make a chart by pasting it and write properties of it?
- Q.6) Make a small project virtually on website [www.dcaclab.com](http://www.dcaclab.com)

### Class- IX

Objective- to know identification of electrical safety devices and to know importance of earthing at our home

- Q.1) whether earthing is provided at your home or not, identify and discuss its importance with your parents?
- Q.2) Identify the electrical safety devices used at domestic power supply system and differentiate between them?
- Q.3) why a switch is always connected in phase wire but never in neutral wire, explain?
- Q.4) identify the electrical components and objects needed for house wiring?
- Q.5) what are the basic principles of a switch board and house wiring connection?  
Whether it is series or parallel connection and why?
- Q.6) Differentiate between a generator and motor and identify the objects where we use motor and generator in our home and make a list of it?
- Q.7) Make a small project virtually on website [www.dcaclab.com](http://www.dcaclab.com)

## Class- X

Objective- to understand the practical uses of electronic components as integrated circuit, transformer, battery eliminator and practical connection of components in a switchboard

- Q.1) make a working model chart for thermal power station with all steps?
- Q.2) Write down the limitations of thermal power station and it's alternative solution for power generation?
- Q.3) what is the transformer explain its basic principle of working its types and its applications?
- Q.4) what is the battery eliminator and what are its uses explain with circuit?
- Q.5) what is IC and what are its applications?
- Q.6) what are the alternative sources of power generation in place of non renewable energy sources?
- Q.7) understand the practical incorporation of fuse, indicator and regulator in a switchboard?
- Q.8) Collect electrical components from waste material as Toy car at your home and make a chart of it?
- Q.9) Make a small project virtually on website [www.dcaclab.com](http://www.dcaclab.com)

*Thank You!!!*

KENDRIYA VIDYALAYA MAU  
SESSION 2022-23  
SUBJECT :- ECONOMICS

**HOLIDAY HOME WORK FOR SUMMER VOCATION**

1. Define government budget.
2. Give two examples of indirect taxes.
  
3. What is a direct tax?
4. Give two examples of non-tax revenue receipts.
5. Define Tax.
6. Give two examples of direct tax.
7. Define revenue receipts in a government budget.
8. What is revenue expenditure in government budget?
9. Define capital expenditure.
10. Why is repayment of loan a capital expenditure?
11. Why are borrowings a capital receipt?
12. Why the taxes received by government are not capital receipts?
13. State any one objective of government budget.
14. Is the following a revenue receipt or a capital receipt in the context of government budget and why?
  - (i) Tax receipts
  - (ii) Disinvestment
15. Giving reason, state whether the following is a revenue expenditure or a capital expenditure in a government budget:
  - (i) Expenditure on scholarships
  - (ii) Expenditure on building a bridge
16. State three sources each of revenue receipts and capital receipts in government budget.
17. Explain any one objective of government budget.
18. Explain the role of government budget in bringing economic stability.
19. Explain the economic stability objective of government budget.
20. How can budgetary policy be used to reduce inequalities of income?
21. Distinguish between revenue expenditure and capital expenditure in a government budget. Give an example.
22. Distinguish between revenue expenditure and capital expenditure.
  
23. Distinguish between revenue receipts and capital receipts in a government budget.
24. Explain the role of government in allocation of resources.
25. Explain the allocation function of government budget
26. Distinguish between direct tax and indirect tax.
  
27. State three objectives of a government budget
28. On what basis is government expenditure classified into capital expenditure and revenue expenditure? Give an example of each.
29. How can the government budget be helpful in altering distribution of income in an economy
  
30. Explain how the government budget can help in fair distribution of income in the economy.
31. Give meanings of revenue expenditures and capital receipts in a government budget. Give one example of each.
32. Give meanings of revenue receipts and capital expenditures with one example for each
33. Give meanings of capital receipts and revenue receipts with an example of each
34. Distinguish between balanced budget and surplus budget
35. Giving reasons to classify the following into direct tax and indirect tax.
  - (i) Wealth tax
  - (ii) Entertainment tax

(iii) Income tax

36. Government has started spending more or providing free services like education and health to the poor. Explain the economic value it reflects.

37. Tax rates on higher income group have been increased. Which economic value does it reflect? Explain. Explain the redistribution of income objective of government budget.

38. Government raises its expenditure on producing public goods. Which economic value does it reflect? Explain.

39. Distinguish between revenue receipts and capital receipts. Give two examples of each.

40. Giving reasons, classify the following into direct and indirect tax.

(i) Wealth tax (ii) Value added tax

41. Explain any two objectives of government budget.

42. Classify the following receipts into revenue receipts and capital receipts. Give reasons in support of your answer.

(i) Recovery of loans.

(ii) Interest received on loans.

(iii) Dividend received from public enterprises.

(iv) Grants from foreign government.

43. Define a government budget. State its main objectives.

44. Distinguish between the following. Also give an example of each.

(i) Direct tax and indirect tax

(ii) Revenue expenditure and capital expenditure.

45. Explain the objectives of resource allocation and income distribution in a government budget.

46. From the following data about a government budget find (a) revenue deficit (b) fiscal deficit (c) primary deficit (in arab)

(i) Tax revenue	47
(ii) Capital receipts	34
(iii) Non-tax revenue	10
(iv) Borrowings	32
(v) Revenue expenditure	80
(vi) Interest payments	20

**HOLIDAY HOME WORK FOR SUMMER VOCATION**

1. सरकारी बजट को परिभाषित कीजिए।
2. अप्रत्यक्ष करों के दो उदाहरण दीजिए।
3. प्रत्यक्ष कर क्या है?
4. गैर-कर राजस्व प्राप्तियों के दो उदाहरण दीजिए।
5. कर को परिभाषित कीजिए।
6. प्रत्यक्ष कर के दो उदाहरण दीजिए।
7. सरकारी बजट में राजस्व प्राप्तियों को परिभाषित कीजिए।
8. सरकारी बजट में राजस्व व्यय क्या है?
9. पूंजीगत व्यय को परिभाषित कीजिए।
10. ऋण का पुनर्भुगतान एक पूंजीगत व्यय क्यों है?
11. उधार पूंजी प्राप्ति क्यों हैं?
12. सरकार द्वारा प्राप्त कर पूंजीगत प्राप्तियां क्यों नहीं हैं?
13. सरकारी बजट का कोई एक उद्देश्य बताइए।
14. निम्नलिखित सरकारी बजट के संदर्भ में राजस्व प्राप्ति या पूंजी प्राप्ति है और क्यों?
  - (i) कर प्राप्तियां
  - (ii) विनिवेश
15. कारण बताते हुए बताएं कि सरकारी बजट में निम्नलिखित राजस्व व्यय है या पूंजीगत व्यय:
  - (i) छात्रवृत्ति पर व्यय
  - (ii) पुल के निर्माण पर व्यय
16. सरकारी बजट में राजस्व प्राप्तियों और पूंजीगत प्राप्तियों के तीन-तीन स्रोत बताइए।
17. सरकारी बजट के किसी एक उद्देश्य की व्याख्या कीजिए।
18. आर्थिक स्थिरता लाने में सरकारी बजट की भूमिका की व्याख्या कीजिए।
19. सरकारी बजट के आर्थिक स्थिरता उद्देश्य की व्याख्या करें।
20. आय की असमानताओं को कम करने के लिए बजटीय नीति का उपयोग कैसे किया जा सकता है?
21. सरकारी बजट में राजस्व व्यय और पूंजीगत व्यय के बीच अंतर करें। एक उदाहरण दें।
22. राजस्व व्यय और पूंजीगत व्यय के बीच भेद।
23. सरकारी बजट में राजस्व प्राप्तियों और पूंजीगत प्राप्तियों के बीच अंतर करें।
24. संसाधनों के आवंटन में सरकार की भूमिका की व्याख्या कीजिए।
25. सरकारी बजट के आवंटन कार्य की व्याख्या करें
26. प्रत्यक्ष कर और अप्रत्यक्ष कर में अंतर स्पष्ट कीजिए।
27. सरकारी बजट के तीन उद्देश्य बताइए
28. सरकारी व्यय को किस आधार पर पूंजीगत व्यय और राजस्व व्यय में वर्गीकृत किया जाता है? प्रत्येक का एक उदाहरण दें।
29. किसी अर्थव्यवस्था में आय के वितरण में परिवर्तन करने में सरकारी बजट किस प्रकार सहायक हो सकता है?
30. बताएं कि सरकार का बजट अर्थव्यवस्था में आय के उचित वितरण में कैसे मदद कर सकता है।
31. सरकारी बजट में राजस्व व्यय और पूंजीगत प्राप्तियों का अर्थ दें। प्रत्येक का एक-एक उदाहरण दीजिए।
32. प्रत्येक के लिए एक उदाहरण के साथ राजस्व प्राप्तियों और पूंजीगत व्यय का अर्थ दें

33. पूंजीगत प्राप्तियों और राजस्व प्राप्तियों के अर्थ प्रत्येक के एक उदाहरण के साथ दीजिए
34. संतुलित बजट और अधिशेष बजट के बीच अंतर करें
35. निम्नलिखित को प्रत्यक्ष कर और अप्रत्यक्ष कर में वर्गीकृत करने के कारण देते हुए।
- (i) संपत्ति कर
- (ii) मनोरंजन कर
- (iii) आयकर
36. सरकार ने अधिक खर्च करना शुरू कर दिया है या गरीबों को शिक्षा और स्वास्थ्य जैसी मुफ्त सेवाएं प्रदान करना शुरू कर दिया है। इसके द्वारा प्रतिबिम्बित आर्थिक मूल्य की व्याख्या कीजिए।
37. उच्च आय वर्ग पर कर की दरों में वृद्धि की गई है। यह किस आर्थिक मूल्य को दर्शाता है? समझाना। सरकारी बजट के आय उद्देश्य के पुनर्वितरण की व्याख्या कीजिए।
38. सरकार सार्वजनिक वस्तुओं के उत्पादन पर अपना खर्च बढ़ाती है। यह किस आर्थिक मूल्य को दर्शाता है? समझाना।
39. राजस्व प्राप्तियों और पूंजीगत प्राप्तियों के बीच भेद। प्रत्येक के दो-दो उदाहरण दीजिए।
40. कारण देते हुए, निम्नलिखित को प्रत्यक्ष और अप्रत्यक्ष कर में वर्गीकृत करें।
- (i) संपत्ति कर (ii) मूल्य वर्धित कर
1. सरकारी बजट के किन्हीं दो उद्देश्यों की व्याख्या कीजिए।
42. निम्नलिखित प्राप्तियों को राजस्व प्राप्तियों और पूंजीगत प्राप्तियों में वर्गीकृत करें। अपने उत्तर के समर्थन में कारण दीजिए।
- (i) ऋण की वसूली।
- (ii) ऋण पर प्राप्त ब्याज।
- (iii) सार्वजनिक उद्यमों से प्राप्त लाभांश।
- (iv) विदेशी सरकार से अनुदान।
43. सरकारी बजट को परिभाषित कीजिए। इसके प्रमुख उद्देश्य बताइए।
44. निम्नलिखित में अंतर स्पष्ट कीजिए। प्रत्येक का उदाहरण भी दीजिए।
- (i) प्रत्यक्ष कर और अप्रत्यक्ष कर
- (ii) राजस्व व्यय और पूंजीगत व्यय।
45. सरकारी बजट में संसाधन आवंटन और आय वितरण के उद्देश्यों की व्याख्या करें।
46. एक सरकारी बजट के बारे में निम्नलिखित आँकड़ों से ज्ञात कीजिए (a) राजस्व घाटा (b) राजकोषीय घाटा (c) प्राथमिक घाटा (अरब में)

(i) कर राजस्व	47
(ii) पूंजीगत प्राप्तियां	34
(iii) गैर-कर राजस्व	10
(iv) उधार	32
(v) राजस्व व्यय	80
(vi) ब्याज भुगतान	20