# DAV BR PUBLIC SCHOOL, BINA
## Session (2024-25)
**Class: IX**
**Integrated Assignment No: 01**

| Date Posted | 02-05 -24 | Expiry Date | 15-06-2024 |
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| | **SCIENCE** |
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| 1. | Which one of the following sets of phenomena would increase on raising the temperature? <br> (a)       Diffusion, evaporation, compression of gases <br> (b)       Evaporation, compression of gases, solubility <br> (c)       Evaporation, diffusion, expansion of gases <br> (d)       Evaporation, solubility, diffusion, compression of gases |
| 2. | Write two properties which are common in liquids and gases. |
| 3. | The phenomenon of change of a liquid into the gaseous state at any temperature below its boiling point is called———. |
| 4. | Write a poem on states of matter based on the following properties: intermolecular force of attraction,rigidity,fluidity,shape ,volume etc. |
| 5. | Prepare a colourful mind map of the content of Ls 5 OR  a diagram of plant and animal cell on a chart paper. OR Enlarged colorful cut out of any four cell organelle or Crossword puzzle using app on your device with minimum 7 questions across and down. Or a Poem on any one such cell organelle. |
| 6. | Prepare a monoact of two  minutes on any one cell organelle of an eukaryotic cell. |
| 7. | Prepare a colourful, 3D model of any one cell organelle of your choice. |
| 8. | Prepare a PPT on any one cell organelle of either a prokaryotic or an Eukaryotic cell of minimum 10 slides and present it in the class. |

| 9. | Solve the worksheet which is given below in a link |
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| | [worksheet](worksheet) |

| ENGLISH | |
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| **S.NO** | **Question Statement - Write Descriptive Paragraphs (in about 120 - 150 words) on the basis of the given inputs.** |
| 1. | Write a descriptive paragraph in about 120-150 words, on 'My Grandmother'. Use the input given below:<br>most amazing person — she always puts a smile on our faces — had the funniest laugh — would help anyone no matter what the situation was — always welcomes guests — could talk to her about anything — makes the best idlis and payasam — raised me to be a better person — everyone who meets her will cherish forever. |
| 2. | One of your friends, XYZ, is very gentle and polite to you. You regard him as your best friend. Describe him in 120 - 150 words. |
| 3. | You happen to visit Bhallard in the foothills of Kumaon. You collected details about this place. Write a descriptive paragraph collecting appropriate information on the basis of different available resources. |
| 4. | You recently visited the city of Jaipur, famous for its Hawamahal, the palaces and forts. Shopping in Jaipur is also exciting as there are many things to buy. Write a descriptive paragraph. |
| 5. | You recently participated in a "Robot Making Event" in your school. Participants from as many as 30 schools in the city took part in the event. Write a descriptive paragraph in about 120-150 words. |

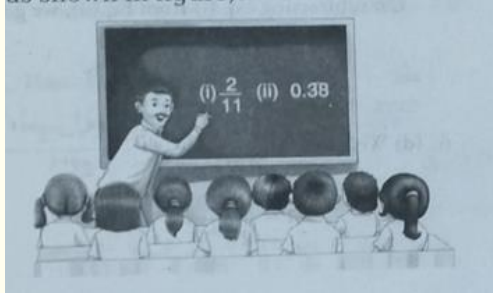| HINDI | |
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## SOCIAL STUDIES

| S.NO | |
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| 1. | The activities such as small manufacturing, transport, shopkeeping are referred to as <br> (a) Non-economic activities (b) Non-farming activities <br> (c) Non-traditional activities (d) Non-market activities |
| 2. | Why do the farmers of Palampur follow multiple cropping? Choose the correct answer. <br> (a) Because the water consumption is less in this method <br> (b) Because this method consumes less chemical fertilisers <br> (c) Because this method doesn't require fertile soils <br> (d) Because this method is the most common way of increasing production |
| 3. | Marginal farmers are those : <br> (a) who use modern methods for farming <br> (b) who practice crop rotation for farming <br> (c) who did not have sufficient land for farming <br> (d) who use modern methods of irrigation |
| 4. | Modern farming has a lot of negative effects on agriculture and also to small farmers. Do you agree? State reasons. |

| 5. | Each village has its own potential to increase the income of the people. Comment this statement by analyzing experiences of Palampur, |
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| 6. | Large farmers increase their income again and again and the sufferings of the small farmers continue. What are the reasons? Suggest measures to solve the problems of small farmers. |
| 7. | All the village in India has similarities and dissimilarities. What do you think? Explain with you own experience. |
| 8. | How do you define production? State its importance. |
| 9. | What are the problems of agriculture land in India? |

| **MATHS** | |
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| S.NO | |
| 1. | presentation of students of class IX on topic 'Number System', Mathematics teacher write two numbers on black board (as shown in figure)<br><br><br><br>He asks some questions about two numbers, which are following then answer the questions.<br><br>(i) express in decimal form.<br><br>(ii) convert 0.3888888888……. in the form of where p and q are integers and q .<br><br>(iii) If form of 0.3 is , then find value of (m + n). |

| 2. | If $x = \dfrac{1}{2-\sqrt{3}}$ , find the value of $x^3 - 2x^2 - 7x + 5.$ |
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| 3. | If $x = \dfrac{\sqrt{a+2b} + \sqrt{a-2b}}{\sqrt{a+2b} - \sqrt{a-2b}}$ , show that $bx^2 - ax + b = 0$ |
| 4. | What can the maximum number of digits be in the repeating block of digits in the decimal expansion of 1/17? Perform the division to check your answer. |
| 5. | Rationalise the denominator of 1/[7+3√3]. |

| COMPUTER SCIENCE | |
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| S.NO | |
| 1. | Explain the communication cycle briefly. |
| 2. | Define verbal and nonverbal communication and give 5 examples of each. |
| 3. | What are the elements in communication |
| 4. | What are perspectives in communication? |