

# 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 <a href="#">worksheet</a>
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### ENGLISH

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: 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

S.NO	
1.	मुंशी प्रेमचंद जी के जीवन परिचय, भाषाशैली तथा उनकी रचनाओं को दर्शाते हुए एक मस्तिष्क आरेख बनाइये
2.	'वाक्यभेद' की परिभाषा तथा प्रकार लिखिए   'अर्थ' तथा 'रचना' के आधार पर वाक्यों के प्रकार उदाहरण देकर समझाइये

3.	'मुहावरे' की परिभाषा लिखिए तथा 'दो बैलों की कथा' पाठ में आए हुए कोई पाँच मुहावरों का अर्थ लिखकर वाक्य में प्रयोग कीजिए।
4.	'निपात' किसे कहते हैं ? कोई पाँच उदाहरण लिखिए तथा निपात शब्दों को रेखांकित कीजिए।

### SANSKRIT

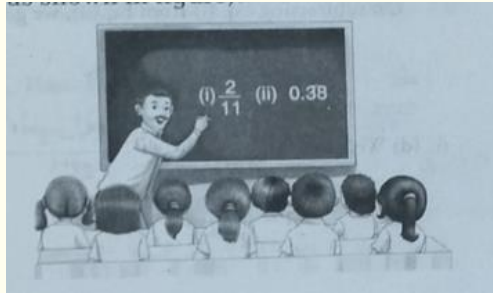
S.NO	
1.	पाथेयं किम् ?
2.	गमनागमने यात्रायाम् पाथेय रूपेण भवान् / भवती किम् किम् गृह्णाति ?
3.	पाथेयम् इति पाठस्य सर्वाधिकम् रुचिकरम् श्लोकम् सार्थम् लिखत ।

### SOCIAL STUDIES

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

S.NO	
1.	<p>presentation of students of class IX on topic 'Number System', Mathematics teacher write two numbers on black board (as shown in figure)</p> <div style="text-align: center;">  </div> <p>He asks some questions about two numbers, which are following then answer the questions.</p> <p>(i) express in decimal form.</p> <p>(ii) convert 0.3888888888..... in the form of <math>\frac{p}{q}</math> where p and q are integers and q <math>\neq</math> 0 .</p> <p>(iii) If form of 0.3 is <math>\frac{m}{n}</math>, then find value of (m + n).</p>

2.	If $x = \frac{1}{2-\sqrt{3}}$ , find the value of $x^3 - 2x^2 - 7x + 5$ .
3.	If $x = \frac{\sqrt{a+2b} + \sqrt{a-2b}}{\sqrt{a+2b} - \sqrt{a-2b}}$ , 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 $1/[7+3\sqrt{3}]$ .

### COMPUTER SCIENCE

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?