



# DAV BORL PUBLIC SCHOOL, BINA

## Session (2022-23)

Class: IX

### Integrated Assignment No:02

<b>Date Posted</b>	<b>15-07 -22</b>	<b>Expiry Date</b>	<b>31-07-2022</b>
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<b>ENGLISH</b>	
<b>S.NO</b>	<b>Topic - Subject - Verb Agreement</b>
1.	Everyone (has/have) done his or her homework.
2.	Each of the students (is/are) responsible for doing his or her work.
3.	Either my father or my brothers (is/are) going to sell the car.
4.	Neither my sisters nor my mother (is/are) going to sell the house.
5.	The samples on the tray in the lab (need/needs) testing.
6.	Mary and John usually (plays/play) together.
7.	Both of the dogs (has/have) collars.
8.	Neither the dogs nor the cat (is/are) very hungry.
9.	Either the girls or the boy (walk/walks) in the evening.
10.	Either the boy or the girls (walk/walks) in the evening.
11.	At the end of the fall (comes/come) the hard tests.
12.	The slaughter of animals for their fur (has/have) caused controversy.
13.	The student, as well as his teacher, (was/were) going on the field trip.
14.	The hard tests (comes/come) at the end of the fall.
15.	Both of my roommates (has/have) decided to live in the dorms

<b>MATHS</b>	
<b>S.NO</b>	<b>REMEMBER</b>
1.	Write all the seven algebraic identities.
2.	Write statements of the remainder theorem and factor theorem.
3.	define the polynomial and the degree of polynomial with examples.
4.	<b>UNDERSTAND</b>
5.	Write the proof of identities mentioned in question 1.

<b>APPLY</b>	
6.	Factorise: $\left(\frac{1}{2}x - 3y\right)^3 + \left(3y - \sqrt{3}z\right)^3 + \left(\sqrt{3}z - \frac{1}{2}x\right)^3$
<b>ANALYSE</b>	
7.	The value of $(2 - a)^3 + (2 - b)^3 + (2 - c)^3 - 3(2 - a)(2 - b)(2 - c)$ when $a + b + c = 6$ is (a) -3            (b) 3            (c) 0            (d) -1

<b>SCIENCE</b>	
S.NO	
1.	Draw a L.S of a shoot and show the location of various categories of meristematic tissue.
2.	In a tabular form ,prepare a colourful mind map of all plant tissues.
3.	Draw a well labeled diagram of any two separation techniques in your note copy.And write the principle behind the technique used.
4.	Write two example of each- (i) Gel (ii) Emulsion (iii) sol
5.	Write five example of inertia which useful in sports
6.	Explain application of impulse in day to day life

<b>SST</b>	
S.NO	
1.	Who were Sans-culottes?
2.	Why was Louis XVI sentenced to death?
3.	Draw and show the different political symbols of France with explanation.
4.	How did philosophers influence the thinking of the people of France?Examine.
5.	Explain the 'Reign of Terror' in brief.
6.	How did the revolution affect everyday life of the people of France?Explain.

<b>HINDI</b>	
S.NO	
1.	अलंकार का अर्थ तथा परिभाषा लिखिए ।
2.	अलंकार के भेद तथा उनका संक्षिप्त परिचय लिखिए ।
3.	शब्दालंकार के भेद लिखते हुए उनकी परिभाषाएं तथा उदाहरण लिखिए ।
4.	अर्थालंकार के प्रमुख भेद लिखते हुए उनकी परिभाषाएं तथा उदाहरण लिखिए ।
5.	उपमा तथा रूपक अलंकार में क्या अंतर है ?
<b>SANSKRIT</b>	

संस्कृत - संरचनात्मक कार्यम्  
उद्देश्यम् - भाषाशिक्षणस्य चत्वारि सोपानानि अवबोधितानि भविष्यन्ति । वाक्यरचनानुवादावबोधनानि ।

S.NO	
1.	1. अस्माकम् विद्यालयस्य पत्रिकायाः अद्यावधि कति अङ्काः (संस्करणानि) प्रकाशितानि जातानि ? 2. तस्याः प्रथमः अङ्कः (संस्करणम्) कस्मिन् वर्षे प्रकाशितम् अभवत् ?
2.	1. अस्माकम् विद्यालयस्य वार्षिकीपत्रिकायाः नाम किम् ? 2. पत्रिकायाम् तव रचना कति बारम् कस्मिन् कस्मिन् वर्षे प्रकाशिता ?
3.	1. अस्माकम् विद्यालयस्य वार्षिकीपत्रिकायाः पूर्ण नाम (with tag Line) किम् ? 2. अस्मिन् वर्षे पत्रिकायाः कतमः अङ्कः (संस्करणम्) आगमिष्यति ?
4.	विगत वर्षेषु प्रकाशिताषु तव दृष्ट्या तव सर्वश्रेष्ठा रचना का आसीत् ? प्रस्तौतु ।
5.	तव रुचिः संरचनात्मक लेखनस्य कस्याम् विधायाम् सर्वाधिका वर्तते ? तदनुसारमेकाम् स्वरचिताम् रचनाम् लिखित्वा अस्मिन् वर्षस्य पत्रिकायाम् प्रकाशनार्थम् लिखतु ।

#### Artificial Intelligence (AI)

S.NO	
1.	What are the components of good AI Policy?
2.	What is "Tay"? What controversies created by Tay?
3.	What are the major AI ethical concerns related to AI adoptions?
4.	What are the concerns related to the use of AI to control defense equipment?
5.	What are the moral issues related to self-driving cars?