



# ACADEMIC WORLD SCHOOL™ BEMETARA

## SUMMER VACATION ASSIGNMENT

Session 2022-23

Grade: VII

### GENERAL GUIDELINES:

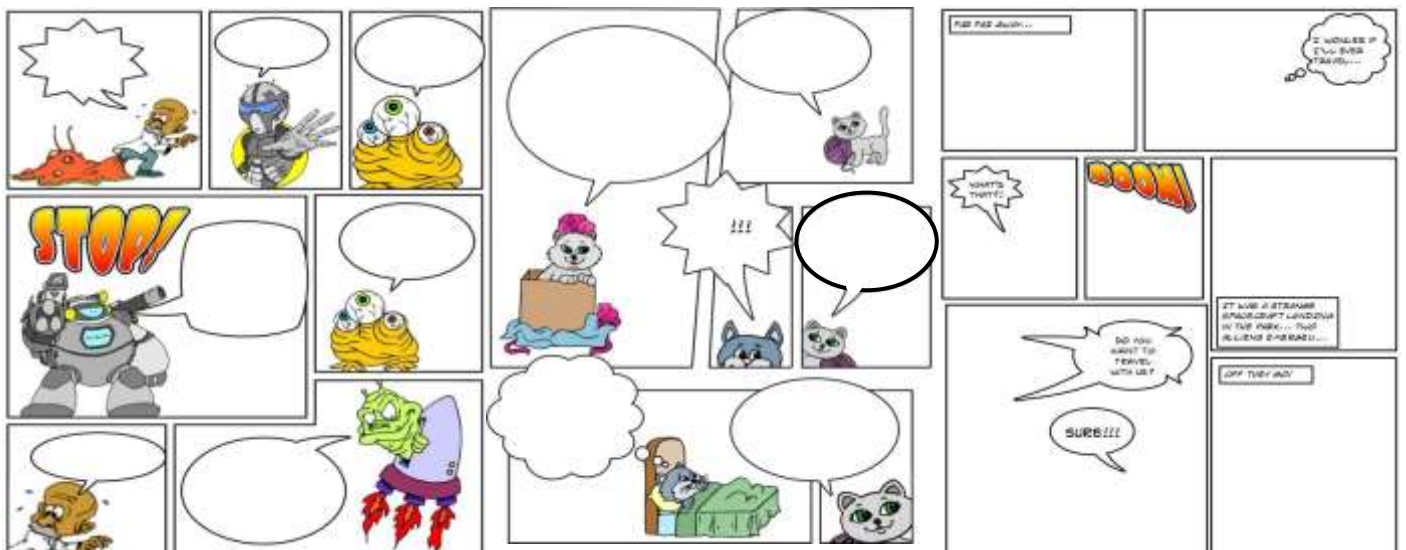
1. USE A SEPARATE NOTE BOOK FOR EACH SUBJECT ( 100 Pages). Activity based Homework to be done in a separate file.
2. **Do not copy & paste from the Internet.** Questions will be asked verbally on the content of the assignments given.
3. Submission of Holidays HW: **15th June, 2022.** Marks will be deducted if not submitted by the due date.
4. The Holidays Homework can be downloaded from the school's website: [www.academicworld.co.in](http://www.academicworld.co.in) and School's ERP
5. For Assignment related queries, do contact the subject teacher via e-mail given underneath every subject assignment.

### 1. English:

1) Create a comic strip on any one of the chapter from the Course Book, using your own words. Make sure the comic strip includes main characters, setting, the conflict, solution and a conclusion.

#### Instructions for creating the comic strips

- 1) The template where the speech bubbles are to be filled in can be used as an introductory task. The children should draw pictures to match the text as below
- 2) Create the storyline to create a story to fit the images and speech bubbles.
- 3) Use fewer words to keep to the main points and use verbal communication as much as possible



**Q 2) Prepare a magazine on your state under the following headings on A4 size sheets**

1. Cover Page (Add a catchy title to your Magazine)
2. Content Page
3. From the Editorial Desk
4. Introduction - Location / Physical
5. Features/Climate / Population
6. People - dress/ occupation
7. Food crops grown/ what to cook and eat
8. Art Forms - Will include the Art, Dance and Music forms, support with own drawings of t
9. Festivals/ Fairs
10. Puzzles...

Note - Minimum 10 Pages in total for the Magazine.

**Q3) Make a Scrap Book and paste the cutting from the newspaper of English daily. Then under line any one new word on it. Find the meaning and frame it in the sentence of your own.**

- ❖ **Contact me for help:**
- 7A – [shilpa.rathi@academicworld.co.in](mailto:shilpa.rathi@academicworld.co.in)
  - 7B – [ashwini.priya@academicworld.co.in](mailto:ashwini.priya@academicworld.co.in)
  - 7C – [divya.panjwani@academicworld.co.in](mailto:divya.panjwani@academicworld.co.in)
  - 7D – [upendra.singh@academicworld.co.in](mailto:upendra.singh@academicworld.co.in)

## 2. **Hindi:**

समाचार पत्र का निर्माण करे । जिसमें निम्नलिखित बातों का ध्यान रखें ।

- ❖ जिसका नाम भी आपके द्वारा सुझाया गया हो तथा यह 4 पृष्ठ का हो ।
- ❖ पहले पृष्ठ में स्वरचित कविता और स्वरचित कहानी का समावेश करें ।
- ❖ दूसरे पृष्ठ में आपको आपके प्रिय खेल के विषय में जानकारी इकट्ठी कर लिखे ।
- ❖ तीसरे पृष्ठ में सुविचार ,तथा विज्ञापन भी होने चाहिए । कहानी का लिंक

<https://www.youtube.com/watch?v=rSkA6PH91io>

कहानी सुनकर पात्रों के विषय में तीन तीन वाक्य लिख कर कहानी की समीक्षा करें ।

- ❖ चौथे पृष्ठ में पहेलियों का संग्रह हो ।
- ❖ समाचार पत्र की सजावट भी आप स्वयं करें ।

टिप्पणी – सभी छात्र समाचार पत्र चार्ट पेपर को एक तह कर बनाएँ । समाचार पत्र की सजावट के लिए रंगीन पेंसिल का प्रयोग करें । किसी भी समस्या के समाधान हेतु निम्न ई मेल पते पर सम्पर्क करें।

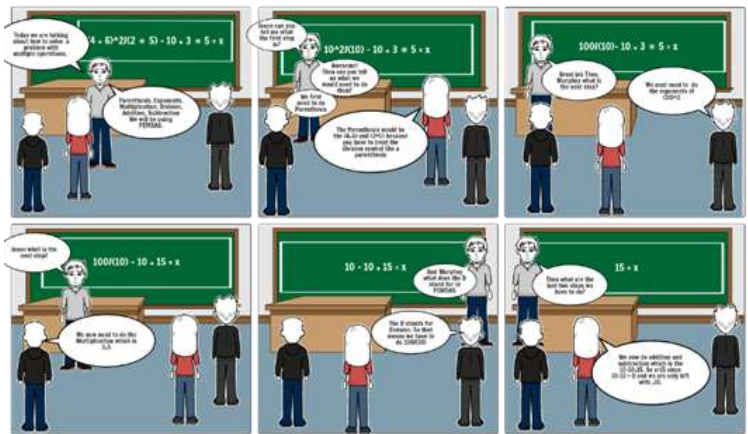
- ❖ **Contact me for help:** 7A - [madanlal.shrivastava@academicworld.co.in](mailto:madanlal.shrivastava@academicworld.co.in)
- 7B&C - [laxminarayan.patel@academicworld.co.in](mailto:laxminarayan.patel@academicworld.co.in)
- 7D - [kumudini.ahir@academicworld.co.in](mailto:kumudini.ahir@academicworld.co.in)

### 3. Mathematics:

#### 1. Concept:- Exponents and powers, quadrilaterals

**Learning Objective** - Students will be able to enhance their understanding of the mathematical concepts by displaying it in the form of comic strip.

Design a comic strip for solving/explaining any topic/problems of Mathematics subject.



#### 2. Concept: - Fibonacci Series

**Learning Objective** - Students will be able to understand about Fibonacci numbers and patterns and use it to design a poster.

Design a poster by drawing, painting, sketching etc. using Fibonacci sequence.



Material used for painting, sketching, etc. should be of size A3 (29.7 cm x 42.0 cm) or A2 (42.0 cm x 59.4 cm).

#### 3. Concept: - Data Analysis and pattern

**Learning Objective** – Students will use their knowledge about data collection and hence will also be able to identify different patterns present in different objects around us.

Exploring mathematics around us –

- Look around yourself: house garden, market, bank, nature....
- Click photographs and find the hidden mathematics.

Click minimum 20 photographs from your surroundings.

#### 4. Concept: - Various mathematical terms

**Learning Objective**- Students will gather knowledge about different vocabularies of Mathematics.

Design a crossword puzzle using mathematical terminologies, mathematicians etc.

#### 5. Concept: - Theorems, postulates, patterns, history of mathematics etc.

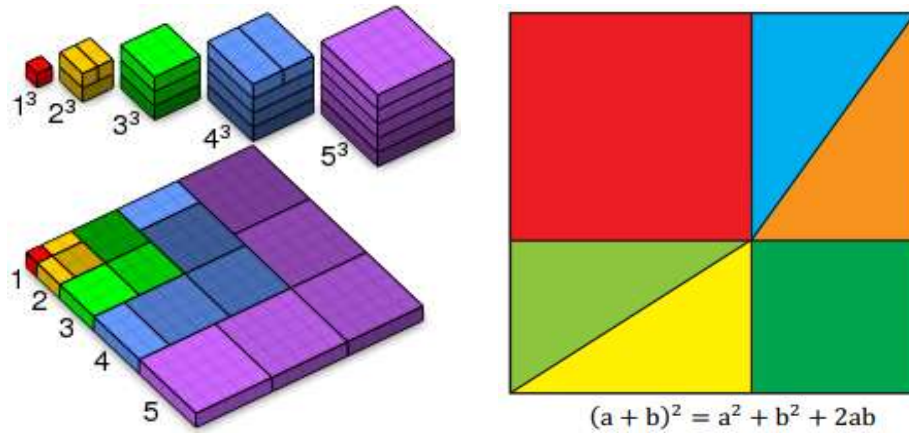
**Learning Objective** - Students will be able to gather knowledge about different mathematicians, origin of mathematics, theorem, etc. and use to design a mathematics newspaper from these.

Prepare a mathematics newspaper showing application of mathematical concepts like facts, quizzes, great mathematician, beauty of maths etc.

**6. Concept:** - Proof of theorems and identities without words.

**Learning Objective** - Students will be able to prove and verify the theorems and identities through picture.

Prove any theorem, identities, concept etc. of mathematics through pictures (Proof without words).



❖ **Contact me for help :** 7 A – [swikriti.singh@academicworld.co.in](mailto:swikriti.singh@academicworld.co.in)  
7 B – [vikas.agrawal@academicworld.co.in](mailto:vikas.agrawal@academicworld.co.in)  
7 C & D – [bishal.thapa@academicworld.co.in](mailto:bishal.thapa@academicworld.co.in)

#### 4. **Science:**

1. To observe the life style and food habits of five persons of different age groups or any five family members.



**Concept** – Effect of life style on health.

#### **Observation Table1-**

Observe the different meals taken by the five members of family of different age groups.

S.N.	Name of Family member	Breakfast	Lunch	Dinner
1				
2				
3				
4				
5				

#### **Observation Table 2-**

S.N.	Name of Family member	Sleeping Duration (in Hour)	Exercise Done (Yes/No)	Any Disease (Mention Name)
1				
2				
3				
4				
5				

**Conclusion-** After observing two tables conclude that which food items or life styles are good for healthy life and share with your family members importance of healthy food and healthy life style.

**Based on your observation answer the following questions.**

- 1) What do you mean by healthy life style?
- 2) Explain different factors that affect your healthy life style.
- 3) If there any relationship between disease and lack of any nutrient in food?
- 4) Explain the role of balanced diet and physical exercise in a healthy life style.

**Learning Outcome:** Students will be able to analyze; and compare

- 1) The Effect of proper sleep and exercise in a healthy life style.

2) The importance of balanced diet in a healthy life.

## 2. To make a homemade Aloe Vera facial moisturizer cream.

**Concept** – The importance of Aloe Vera in health and skin care.

**Materials Required** –Aloe Vera Gel, Jojoba or Almond or Coconut Oil

**Instructions:** Scrape out fresh aloe gel from the aloe Vera plant. In a bowl, add an equal quantity of Aloe Vera gel and almond or jojoba oil according to your usage. Mix well. Transfer the mix to a container. Shake the bottle well. If you are using jojoba or coconut oil, add a few drops of almond oil as it is rich in vitamin E and great for your skin.

YouTube link: [https://youtu.be/AUIL\\_KLZIWg](https://youtu.be/AUIL_KLZIWg)

**Learning Outcome:** Student will be able to understand importance of Aloe Vera in skin care.

## 3.Using China Rose indicator to test solutions like baking soda, vinegar, soap solution, lemon juice.

**Concept-** Indicators are chemicals which help to identify solutions as acidic or basic by changing their color when mixed in solutions.

China rose indicator's natural color is red it shows dark red color or magenta in presence of acid and green in presence of base.



**Learning objectives-** Students will be able to test and find various solutions as acidic or basic solutions by using China rose indicator.

## 4. Research about ISRO.

**Concept-** Indian Space Research Organization is the space agency of government of India which has launched several satellites and performed various prestigious space missions.

Based on your research, answer the following questions:

(i) Research about history, and achievements of ISRO.

(ii) Research about any five Indian satellites launched by ISRO.

(iii) Describe in brief the name, time of launch, purpose of launching that satellite and applications of satellites.

**Learning Objective:** - To learn about the ISRO and its contribution in space study.

**OR**

## Research about DRDO.

**Concept-** Defense Research Development Organization is the defense manufacturing agency of government of India which has made several arms ammunition missiles and performed important role in strengthening of our defense forces.

Based on your research, answer the following questions:

- (i) Research about history, and achievements of DRDO.
- (ii) Research about any five Indian missiles Made by DRDO.
- (iii) Describe in brief the names, range, type and specialties of those missiles.

**Learning Objective:** - To learn about the DRDO and its contribution in defense industry.

### **5. To make a floor cleaning machine.**

**Concept-** A floor cleaning machine is a simple device which can be used to mope or sweep the floor and it saves our time and effort.

#### **Material Required –**

Plastic Box, DC Motor, Switch, battery, Wheels, Connecting wires, wire Cutter etc.



**Learning Objective-** Student will be able to analyse how to make floor cleaning device using simple Dc Motor.

Link: <https://youtu.be/mMsg4ikuIA>

- ❖ **Contact me for help:** 7 A – [ashutosh.singhrajput@academicworld.co.in](mailto:ashutosh.singhrajput@academicworld.co.in)
- 7 B – [manish.kumarrai@academicworld.co.in](mailto:manish.kumarrai@academicworld.co.in)
- 7 C – [rajat.bala@ademicworld.co.in](mailto:rajat.bala@ademicworld.co.in)
- 7 D – [ayotsana.rao@academicworld.co.in](mailto:ayotsana.rao@academicworld.co.in)



## 5. **Social Studies:**

### **Impact of budget 2022 in the economy of the nation**

1. What is Budget?
2. Why the Budget is presented digitally in the parliament?
3. What is the budget allocation for the following sectors-:
  - a. Defense
  - b. Railways
  - c. Education
  - d. Health care
4. What are the four priorities of budget 2022-23?
5. What are the sources of revenue for government of India?
6. Throw light on the allocation of fund to the major government schemes.

### **Critical thinking:**

How does the E-content of the school text book is helping the students in living all the corners of the country?

### **For further information visit:**

<https://www.indiabudget.gov.in/doc/impbud2021-22.pdf>



**2. Using the concept of Reduce, reuse and recycle, research about the given cities that how they do the waste management in order to keep their city clean?**

#### **1. Indore**

#### **2. Vadodara**

1. What is the rank of the city in cleanliness?
2. Where the city's garbage gets dumped and how they do the waste management?
3. Did the city receive any award for its cleanliness drive?
4. Who initiated the cleanliness drive in that city?
5. What are the unique features they have adopted to manage the waste?
6. What are the processes of working of Municipal Corporation of that city?
7. Do you think other cities got inspired by its work on cleanliness?
8. Do you think Waste management is an important factor for our country?
9. Using your creative brains, find out one new idea for the waste management, which can be used to make your city clean and healthy?
10. Results and References

❖ **Contact me for help:** 7 A – [saroja.bala@academicworld.co.in](mailto:saroja.bala@academicworld.co.in)  
7 B – [meghna.mishra@academicworld.co.in](mailto:meghna.mishra@academicworld.co.in)  
7 C – [gitanjali.sahoo@academicworld.co.in](mailto:gitanjali.sahoo@academicworld.co.in)  
7 D – [jaya.agrawal@academicworld.co.in](mailto:jaya.agrawal@academicworld.co.in)

## 6. **Computer:**

1. Make a list of programming languages which are used in AI.

*Concept* – Programming Language in AI

*Learning Objective* – Students will explore different kinds of programming languages.

2. A Chatbot is Artificial Intelligence software that can simulate conversation with a user in natural language through messaging application, mobile apps or through telephone. Make a video where your siblings will answer like a Chatbot.

*Concept* – Chatbot

*Learning Objective* – Students will be to podcast the working mechanism of a Chatbot.

3. Imagine that your school needs to run artificial intelligence software. Right from coming to the school till leaving the school, think of various tasks and areas where AI can be used. Use your imagination and creativity to suggest what amazing things you would like AI to do for your school.

*Concept* – Smart School

*Learning Objective* – Students will be to analyse which will help to enhance analytical skill.

❖ **Contact me for help:** 7 A, B & C – [lipi.basu@academicworld.co.in](mailto:lipi.basu@academicworld.co.in)  
7 D – [atiatus.sabbur@academicworld.co.in](mailto:atiatus.sabbur@academicworld.co.in)

## 7. Sanskrit:

### खण्ड— “क” लेखनकौशल व शोध आधारित प्रश्न

प्रश्न(1)शीर्षक – संस्कृतभाषा में समाचार पत्र लेखन –

आधारित अवधारणा— छात्र संस्कृत समाचार सुनकर व शोध करके निम्नलिखित बिंदुओं के आधार पर संस्कृत में समाचार पत्र लेखन करेंगे –

शिक्षण उद्देश्य – छात्र संस्कृत शब्दों का संग्रह कर संस्कृत समाचार पत्र लिखने में सक्षम होंगे।

- ✓ 1 राष्ट्रीय समाचार
- ✓ 2 खेल समाचार
- ✓ 3 चुनाव समाचार
- ✓ 4 राज्य समाचार
- ✓ 5 स्थानीय समाचार

प्रश्न(2) शीर्षक – संस्कृत भाषा का उद्गम व महत्व

आधारित अवधारणा – संस्कृत भाषा के उद्गम पर प्रकाश डालिए, साथ ही संस्कृत भाषा के महत्वों पर व संस्कृत भाषा के भविष्य पर अपना विचार हिंदी भाषा में 200 से 300 शब्दों में सविस्तार रूप में प्रकट करें?

शिक्षण उद्देश्य – छात्र संस्कृत भाषा के महत्व और स्कोप अर्थात् अवसर के बारे में अवगत होंगे।

### खण्ड— ख व्याकरण आधारित प्रश्न

प्रश्न(3) (अ) शीर्षक – शब्दरूपलेखनम् एवं धातुरूपाणिम्।

आधारित अवधारणा— निम्नलिखित शब्दरूप याद कीजिए एवं लिखिए।

शिक्षण उद्देश्य – छात्र संस्कृत के आधारभूत व्याकरण से अवगत होंगे व उनका प्रयोग करना सीखेंगे।

- 1 किम् सर्वनाम पुल्लिङ्ग 2 किम् सर्वनाम स्त्रीलिङ्ग 3 किम् सर्वनाम नपुंसकलिङ्ग

प्रश्न(3)ब – निम्नलिखित के धातुरूप याद कीजिए एवं लिखिए. –

- 1 कृ धातु लटलकार 2 पठ् धातु लृटलकार 3 लिख धातु लङ्लकार

प्रश्न(4) अधोप्रदत्त वर्ग प्रहेलिकातः अव्ययान् चित्वा लिखत ( नीचे लिखे वर्ग पहेली से अव्यय पद चुनकर लिखिए)

अ	श्	वः	व	त	उ	भ	य	त
त्र	अ	द्य	स	स	प	वि	दा	व
कु	स	र्व	दा	र्व	रि	ना	प्र	ति
त्र	स	दा	सा	त्र	अ	ल	म्	ह
प	रि	तः	क	दा	धः	पु	र	तः

\_\_\_\_\_

\_\_\_\_\_

## खण्ड— ग अपठित अवबोधनम् प्रश्नाः

प्रश्न(5)अ-शीर्षक – पठन संबंधी अपठित अवबोधनम् प्रश्नाः

आधारित अवधारणा— अ – बच्चें संस्कृत अनुच्छेद पैराग्राफ को पढकर नीचे दिए गए प्रश्नों के उत्तर उसी अनुच्छेद से ढूढकर लिखेंगे

शिक्षण उद्देश्य – अपठित अवबोधनम् के माध्यम से छात्रों के पठन कौशल व बौद्धिक क्षमता का विकास होगा ।

रामायणम् अस्माकं धर्मग्रन्थः अस्ति । रामायणस्य रचयिता वाल्मीकिः अस्ति । अस्मिन् ग्रन्थे मर्यादा पुरुषोत्तमस्य श्रीरामस्य जीवनस्य वृत्तान्तः अस्ति । भगवान् श्रीरामः स्वपितुः वचनं रक्षितुं, चतुर्दश वर्षाणि वने अवसत् । श्रीरामेण सह तस्य पत्नी सीता, लक्ष्मणः च अपि वनम् अगच्छताम् । वने लंकायाः राजा रावणः सीताम् अहरत् । तत्रा श्रीरामः वानराणां सहायतया रावणं हत्वा सीताम् अलभत । रामायणम् अस्माकं राष्ट्रस्य अमूल्यः निधिः अस्ति । रामायणं पठित्वा जनाः शान्तिप्रियाः सदाचारिणः च भवन्ति ।

### 1 एकपदेन उत्तरत –

- (क) रामायणस्य रचयिता कः अस्ति?  
(ख) श्रीरामः कति वर्षाणि वने अवसत्?  
(ग) श्रीरामः केषां सहायतया सीताम् अलभत?  
(घ) रामायणे कस्य जीवनस्य वृत्तान्तः अस्ति?

### 2 पूर्णवाक्येन उत्तरत –

- (क) श्रीरामेण सह कौ वनम् अगच्छताम्?  
(ख) रामायणं पठित्वा जनाः कीदृशाः भवन्ति?

### 3 निर्देशानुसारम् उचितम् उत्तरं चित्वा लिखत –

- (क) तस्य पत्नी' अत्रा तस्य इति सर्वनामपदं कस्मै प्रयुक्तम्?

1रामाय 2रावणाय 3 लक्ष्मणाय 4 सीतायै

- (ख) गद्यांशस्य उचितं शीर्षकं लिखत ।

1रामायणं 2गीतं 3 वेदांतम 4 महाभारतं

प्रश्न 5 (ब) अधोलिखितं गद्यांशं पठित्वा प्रदत्तप्रश्नानाम् उत्तराणि संस्कृतेन लिखत ।

आगमः भक्तः आसीत्। सः प्रकृत्याः सर्वाः रचना स्वभावेन आस्तिकः ईश्वरस्य च परमोः अचलश्च द्वे मित्रे आस्ताम्। आगमः मन्यते स्म निर्दोषाए परन्तु अचलः दोषदर्शी आसीत्। तस्य ईश्वरं प्रति श्रद्धा अपि न आसीत्। एकदा उभे मित्रे भ्रमणाय उद्यानम् अगच्छताम्। भक्तः आसीत्। मार्गे वृक्षान् दृष्ट्वा अचलः अवदत् रचना मम मतानुसारेण ईश्वरस्य ! मित्र - त्रुटिपूर्णा अस्ति। एषां कालिन्दानां कूष्माण्डानां च लताः पश्य । एतासु क्षीणासु दुर्बलासु चलतासु ईश्वरस्थूलफलानि : आदिषु स्थूलवृक्षेषु सूक्ष्माणि फलानि सन्ति। ईश्वरस्य इयं रचना दोषयुक्ता अस्ति। दोषदर्शी अचलः - उत्पादयति। जम्बू तौ पीडितौ हरितस्य विशालस्य च वृक्षस्य अधः अगच्छताम्। तदैव शिरसि त्रीणि आसीत्। आतपेन : शिरसा खल्वाट आम्रफलानि अपतन्। सः पीडया क्रन्दन् अवदत् शिरसि वज्रपातोऽभवत् । पुनः ईश्वरस्य धन्यवादं कृत्वा मुखात् ! हा- मम शिरः खण्डशः भवेत्। अहं तव रचना दोषहीना अस्ति। यदि अस्मिन् वृक्षे कालिन्दानि भवेयः तर्हि ! प्रभो-निःसृतम् खलु बुद्धिहीनः अस्मि ईश्वरं प्रति मम श्रद्धा नास्ति । तदा आगमः अकथयत् सत्यमिदं यत् ईश्वरस्य रचना निर्दोषाऽस्ति : परन्तु अज्ञानकारणात् वयं तस्य सम्यक् महत्त्वं न जानीमः। मूल्यसत्यमेव उक्तं श्रद्धावान् लभते ज्ञानम्। :

अ एकपदेन उत्तरत। (

- I. आगम अचलश्च के आस्ताम् :?
- II. कः दोषदर्शी आसीत् ?
- III. द्वे मित्रे कुत्र अगच्छताम्?

ब पूर्णवाक्येन उत्तरत -

अचल अवदत् किम् क्रन्दन् पीडया :?

❖ Contact me for help: 7 A & B – dhanesh.prasadshukla@academicworld.co.in  
7 C & D – kumudini.ahir@academicworld.co.in

## 8. French:

### 1. Write the name of vegetables in English.

L'ail (m), L'artichaut (m), L'aubergine (f), La betterave, Le brocoli, La carotte, Le chou, Le chou-fleur, Le concombre, La courgette, Les épinards, Le maïs, L'oignon (m), Le haricot vert, Les petits pois, Le piment, Le poivron, Le radis, La tomate

### 2. Identify the vegetables and write their name in French.



## Les légumes



**3. Writing Skills:** - Follow the link: - [https://youtu.be/JTCzrSvm\\_po](https://youtu.be/JTCzrSvm_po)

Write the conversation in English

**4. Listening skills:** - Follow the link: - <https://youtu.be/atNkI6QFZ50>  
<https://youtu.be/4ebisolg-00>  
[https://www.youtube.com/watch?v=Nf6UCfL\\_xCc](https://www.youtube.com/watch?v=Nf6UCfL_xCc)

Listen the song and practice it.

### **5. Conjugation of Être verb (to be)**

Je suis = I am

Tu es = you are

Il est = He is

Elle est = She is

Nous sommes = We are

Vous êtes = You are

Ils sont = They are (masculine plural)

Elles sont = They are (feminine plural)

#### **1. Fill the blanks with the conjugation of Être verb**

Je \_\_\_\_ petit/**e**.

Nous \_\_\_\_ petits/**petites**.

Tu \_\_\_\_ petit.

Vous \_\_\_\_ petits.

Il \_\_\_\_ petit.

Ils \_\_\_\_ petits.

Elle \_\_\_\_ **petite**.

Elles \_\_\_\_ **petites**.

Je \_\_\_\_ anglais/**e**.

Nous \_\_\_\_ anglais.

Tu \_\_\_\_ anglais.

Vous \_\_\_\_ anglais.

Il \_\_\_\_ anglais.

Ils \_\_\_\_ anglais.

Elle \_\_\_\_ **anglaise**.

Elles \_\_\_\_ **anglaises**.

❖ **Contact me for help: 7 A, B, C & D – [sagar.saurabh@academicworld.co.in](mailto:sagar.saurabh@academicworld.co.in)**