

**AMRIT INDO CANADIAN ACADEMY**  
**SA-1 SCIENCE**  
**CLASS – VI**

**M.M – 80**

**TIME - 3.30 hours**

**SECTION A- KNOWLEDGE (M.M - 32)**

- A.1** Money plant has a weak stem but still, it grows so tall. How ? **(2M)**
- A.2** Given below are names of some animals: Mention which of these are Herbivores, Carnivores and Omnivores and why ?
- (i) Goat
  - (ii) Human beings
  - (iii) Cockroach
  - (iv) Eagle **(4M)**
- A.3.** Name one stem that has food stored in it? **(2M)**
- A.4.** Are fats bad for our health ? **(2M)**
- A.5.** What leads to formation of shadows ? What we see is not always true, how far this is true in the case of shadows. **(3M)**
- A.6.** Which of the following food does not provide dietary fibre ? **(2M)**
- (a) Whole grains
  - (b) Whole pulses
  - (c) Fruits and Vegetables
  - (d) Milk
- A.7.** Draw the diagram of flower and label the parts mentioned below : **(3M)**
- a) Anther b) Stamen c) Pistil d) Filament **(3M)**
- A.8.** What is a balanced diet? Is it same for everybody **(3M)**
- A.9.** Explain whether these changes are reversible or irreversible. :
- (a) Adding salt to water.
  - (b) Blooming of Flowers.
  - (c) Rusting of iron rod. **(3M)**
- A.10** Name one animal that crawls, one that slithers and one that creeps. **(3M)**
- A.11.** Why is cotton fabric comfortable to wear in summers? **(2M)**
- A.12.** What is venation? Explain the two types of venations of leaves with the help of well labeled diagrams?
- A.13** Explain the difference between Fabric, Fibre and Yarn. **(3M)**

**SECTION B (UNDERSTANDING) (M.M-16)**

- B.2** Explain the difference between nutrients and ingredients of food, with suitable examples. **(2M)**
- B.1** How can we identify the presence of proteins, fats and carbohydrates in food ? **(3M)**
- B.3** Name two ingredients in our food that are not obtained from plants or animals. Mention one source for each ingredient. **(2M)**
- B.4** While using iodine in the laboratory, some drops of iodine fell on Amrit's socks and some fell on her teacher's suit. The drops of iodine on the suit turned blue black while their colour did not change on the socks. What can be the possible reason? **(2M)**
- B.5** A cotton shirt before it reaches you, completes a long journey. Elaborate it. **(3M)**
- B.6** Can the stem of a plant be compared with a street with two way traffic? Give reason. **(2M)**
- B.7** Why does most cemented roofs start to leak over time ? **(2M)**

**SECTION –C-APPLIED CONCEPT (M.M-12)**

- C.1 :** How can we see our bones through X-Rays ? Name 4 different types of joints with examples. **(3M)**
- C.2:** Why does a child has 300 bones where as an adult have only 206 bones? **(1M).**
- C.3** What is the difference between carbohydrates, starch and glucose. **(3M)**

**C.4:** Why should we avoid wastage of food ? Suggest at-least two different ways to make best use of left over food or unused fruits and vegetables. **(3M)**

**C.5:** Deficiency of which vitamin can result in the following symptoms : **(2M)**

- a) Bone and Back pain, fatigue and tiredness, depression, bone loss and muscle pain.
- b) Pain in legs, swelling in some parts of body, spontaneous bleeding, loss of teeth, anaemia, exhaustion

**SECTION-D ANALYSE AND EVALUATE (M.M-12)**

**D.1 :** observe the picture of an activity given in fig. carried out with leaves of plants in polythene bags. Now answer the following **(3M)**



- Which process is demonstrated by this activity.
- When will this activity show better result –on a bright sunny day or a cloudy day?
- What will you observe in the polythene bag after a few hours of setting up the activity

**D.2 :** What is a pin hole camera and how does it work ? **(3M)**

**D.3 :** Given below is the picture of skeleton.label the parts marked as 1 2 3



**(3M)**

B.What are the main functions of human skeleton.

**D.4** Does changing the colour of opaque objects change the colour of their shadows too ? What will be the impact of a coloured light on opaque object ? **(3M)**

**Section –E CREATE (M.M - 8)**

**E.1 :** Can you make organic manure at home ? Explain the process and the impact it will have on your plants. **(3M)**

**E.2 :** India is facing twin health challenges : obesity and malnutrition. Suggest measures to deal with such challenges **(3M)**

**E.3 :** Imagine yourself with a vertebral column with a long single bone or with fixed joints. How will such a change affect your life? **(2M)**

**AMRIT INDO CANADIAN ACADEMY**  
**SUMMATIVE ASSESSMENT - I**  
**CLASS VI**  
**SUBJECT = ENGLISH**

**TIME : 3 hrs**

**M.M. 80**

**General Instructions:**

**This paper consists of 5 sections:**

<b>Section A Knowledge</b>	<b>30 marks</b>
<b>Section B Understanding</b>	<b>16 marks</b>
<b>Section C Apply</b>	<b>12 marks</b>
<b>Section D Critical Thinking</b>	<b>12 marks</b>
<b>Section E Creative</b>	<b>8 marks</b>

- a) Attempt all the questions of a particular section before moving to the next section.
- b) Adhere to the word limit.
- c) Read each question carefully and follow all the instructions.
- d) Two marks are for handwriting.

**Section – A(Knowledge)**

**A.1 Read below Stanza and answer the following questions:-**

Beauty is seen  
In the sunlight,  
The trees, the birds,  
Corn growing and people working  
or dancing for their harvest

- Write the name of the poem and the poet ? **4M**
- Who is dancing and why ?
- Write the meaning of 'harvest' in the above stanza.
- Find the synonym of word endeavour from the above stanza.

**A.2 Write the antonyms for the words given below :** **2M**

- a) controlled
- b) encourage

**A.3 Circle each adjective or adjectives in the sentences given below and draw a line under the noun that describes it :** **2M**

- a) That tree is now green because i watered it daily.
- b) My eyes were red because of all the wind that was blowing.

**A.4 Read the sentences below. Write the correct verb that completes the sentence.**

- a) We \_\_\_\_\_ (ride/rode) the bus to school.
- b) We \_\_\_\_\_ (do/did/does) create inventions all the time.
- c) I \_\_\_\_\_ (think/thought) we will win the game.
- d) I \_\_\_\_\_ (forget/forgot) about doing my homework. **4M**

**A.3 Answer the following questions:**

1. What does Kalpana Chawla say about pursuing a dream ? Do you agree with her that success is possible ? **3M**
2. Why did Tansen agree to sing Raga Deepak ? **2M**
3. Why and how did the king reward the new governor ? **3M**
4. Are you for or against keeping pets in the cage ? give reasons. **3M**
5. How did the rishi explained different ways in which the birds behaved ? **3M**
6. What do you think these phrases from the poem "Where do all the teachers go" mean ?  
a) punished in the corner **2M**

b) leave their greens **2M**

### SECTION - B (UNDERSTANDING) 16M

**B.1** Look at this cartoon by R.K.Laxman . Read the sentence given below the cartoon. Answer the following questions.

**6M**

- What is it about ?
- Do you find it funny ? If so, why ?
- Do you think cartoon is a serious drawing? Why or Why not?



Get on with your homework — the sums, the composition, history, geography, chemistry, physics — and stop reading *The Laws Against Child Labour!*

**B.3** Read the passage given below and answer the questions that follow.

**10M**

Entire life is a learning process and yet there will always be a few learnings that can be categorised as universal and absolutely necessary. Of all the things that we can learn from life, what are some of the most important of all? Life is a very personal experience. It might sound clichéd, but it is a fact; a fact very few people fully understand and acknowledge. When we study life as 'the life', there is very little we can learn from it, but when we study life as 'my life' the learning is never ending.

Let us step away from all the fixed ideas and concepts of life and try and understand life from an individual's point of view; that is the only point of view that matters, everything else is simply conceptual with very little significance. The first lesson of life is 'growth'. As far as the individual is concerned, nothing defines life better than the word 'growth'. The single biggest driving force of an individual is growth; if you are not growing, you are not living. Growing has to be the single biggest priority of life. Growing has to be foundation of life.

What growth are we talking about here? Is it just physical growth, financial growth? No. We have to grow in every way possible in order to live life to the fullest; we have to grow physically, mentally,

emotionally, spiritually and of course financially. When growth is the foundation of life, the way we approach our life changes completely; our attitude towards life changes. Instead of looking at life as reaching to some destination, we will accept that changing and growing is an integral part of life. We are not here to reach somewhere, we are here to grow.

If we have to grow, then we need to keep learning. If growing is central to life, then learning becomes the most important aspect of life. This is where people get truly separated. Those who look at life as some kind of destination will get tired of learning and those who look at life as a continuous process of growing, value learning more than anything else and will continue to learn for the rest of their lives.

This makes a huge difference. When faced with difficulties and challenges, nothing comes to our rescue like the right attitude. The ultimate right approach towards life is looking at it as a continuous learning process. From inside out, from the point of view of the individual, from your point of view, life is simply a process of growing. We will look at other lessons of life next week....

- (a) What are the most important lessons that we must learn from life ? **2M**
- (b) What kind of growth is important in life ? **2M**
- (c) Why must we keep learning in life ? **2M**
- (d) What should be our approach towards learning in life ? **2M**
- (e) Write one synonym for the word 'foundation' used in second paragraph. **1M**
- (f) Suggest a title for the paragraph. **1M**
- (g)

### **SECTION C (APPLICATION) 12M**

**C.1** Write a paragraph about what beauty means to you ? Use your ideas along with the ideas shared in the poem 'Beauty'. **3M**

**C.2** As stories multiplied and attention span shortened in this new era of internet, a new form of storytelling took space. Its called micro-fiction. 5-6 lines and story complete. Two examples are given below :

**Example 1** 80k likes. **(This explains how rumours can be made news by internet)**

40k shares.

20k retweets.

Hence, it became the truth.

**Example 2** A devil enters a mosque.

"silence large"

A man walks out.

(this explains how a same person can be an angel as well as devil)

**Now write your own micro-fiction on "education"** **3M**

**C.3**  
a) Prefix (Write any two)  
Post, tri, mid **2M**

b) Suffix (Write any two)  
Dom, ment, able

**C.4** The following passage has not been edited. Write the correct word in the space provided below correction

Banana is an popular fruit and \_\_\_\_\_

an important part to our diet \_\_\_\_\_

today. It originally belonged for \_\_\_\_\_

South-East Asia and the Indonesia region \_\_\_\_\_  
where it is using of grow wild used \_\_\_\_\_ in the forests.

**2M**

**C.5** Make nouns from the words given below :

**2M**

- a) kind
- b) sensitive
- c) active
- d) calm

**SECTION - D (ANALYSE) 12M**

**D.1** 'Taro' is a story of a thoughtful and a loving son who gets something unexpected for his commitment to serve his parents. If you're given one lakh rupees to do random acts of kindness for your parents, what would you do? **4M**

**D.2** List five rules of school you have ever broken and why you broke them. **4M**

**D.3** Today dogs are feasted upon and hunted by humans in some places like Yulin in China, mistreated on the streets across the world, forcefully sterilised and even culled in countries like India. Do you think joining the man and serving him faithfully was a huge mistake of the 'Dog' from the story 'How the dog found the new master' ? give your opinion. **4M**

**SECTION - E (CREATE) 8 M**

**E.1** Write a descriptive paragraph in about 80 – 100 words on the topic 'Superman in my backyard'. **3M**

**E.2** Western countries were not naturally more gifted than India. It is the societal attitude at large that defines how satisfied the citizens of any country are. Time has come, when we must act rather than treating India like a second world country. We are 7th largest in terms of land mass and 2nd largest in terms of human resource. Write a letter to the editor of a national newspaper highlighting the urgency and the essentiality of social behavioural change, focusing on issues such education, health, water & energy conservation, waste management, sanitation and hygiene, gender bias, corruption, mismanagement of public resources etc. **5M**

**AMRIT INDO CANADIAN ACADEMY**  
**SUMMATIVE ASSESSMENT - I**  
**CLASS VI**  
**SUBJECT = MATHEMATICS**

**TIME : 3 hrs**

**M.M. 80**

**General Instructions:**

**This paper consists of 5 sections:**

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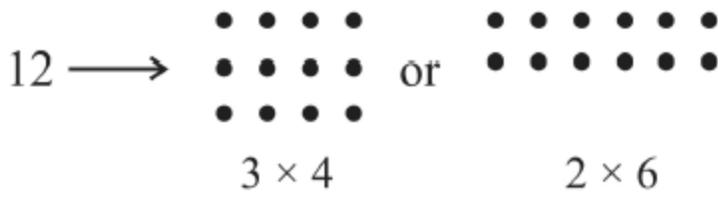
- a) Attempt all the questions of a particular section before moving to the next section.**  
**b) Read each question carefully and follow all the instructions.**

**SECTION - A (KNOWLEDGE) 32M**

- A.1** Write the smallest and the greatest 5 digit number using 45278. **2M**
- A.2** How many lakhs make a million, how many millions make a crore and how many lakhs make a billion ? **2M**
- A.3** Is there any natural number that has no predecessor or no successor ? Explain. **2M**
- A.4** A vendor supplies 32 litres of milk to a hotel in the morning and 68 litres of milk in the evening. If the milk costs Rs 15 per litre, how much money is due to the vendor per week? **3M**
- A.5** Mark as right or wrong : Correct the wrong statements if any. **3M**
- a) Factors can be greater than the given number.  
b) Every multiple of a number is always less than or equal to that number.  
c) The additive inverse of an integer  $x$  is  $2x$ .
- A.6** Write all the factors of 45. **2M**
- A.7** A number is divisible by 12. By what other numbers will that number be divisible ? **2M**
- A.8** Are the numbers 81 and 21 co prime ? **2M**
- A.9** Fill in the blanks : **3M**
- a) The successor of greatest 9 - digit number is always a ..... digit number  
b) A cube has ..... Edges, .....faces and ..... vertices.  
c) An angle whose measure is the sum of the measure of two right angles is .....  
d) Eight sided polygon is called .....
- A.9** Choose the correct option from following questions: **5M**
1. Hindu – Arabic numeral of DCL is  
a) 652 b) 650 c) 600 d) 670
2. Which of the following pairs of numbers are co- prime?  
a) 12, 30 b) 8, 21 c) 54, 144 d) 192, 82
3. "A number increased by 11 equals to 26" can be written as  
a)  $11p = 26$  b)  $p - 11 = 26$  c)  $p + 11 = 26$  d)  $p + 26 = 11$
4. The type of triangle having sides 7cm, 5cm, 7cm is  
a) Equilateral triangle b) Isosceles triangle c) Scalene triangle
5. How many vertices of a Quadrilateral have ?  
a) 4 b) 3 c) 2 d) none of these
- A.10** Draw a hexagon, a regular polygon, a scalene triangle and an isosceles triangle. **4M**
- A.11** Convert 5809g to kg. **1M**
- A.12** Round off 87.952 to tenths **1M**

**SECTION - B (UNDERSTANDING) 16M**

- B.1** Some numbers can be shown by two rectangles, for example : **4M**  
Give at least four other such examples.



**B.2** Using divisibility tests, determine whether following numbers are divisible by 11: **3M**

(a) 7138965 (b) 10000011

**B.3** The lengths in km (rounded to nearest hundred) of some major rivers of India is given below: **3M**

River	Length (in km)
Narmada	1300
Mahanadi	900
Brahmaputra	2900
Ganga	2500
Kaveri	800
Krishna	1300

Draw a bar graph to represent the above information. **3M**

**B.4** Anagha, Sushant and Faizal are climbing the steps to a hill top. Anagha is at the step p. Sushant is 10 steps ahead and Faizal is 6 steps behind Anagha. Where are Sushant and Faizal? The total number of steps to the hill top is 3 steps less than 8 times what Anagha has reached. Express the total number of steps using p.

**B.5** Measures of the two angles between hour and minute hands of a clock at 9 O' clock are : **3M**

(A)  $60^\circ$ ,  $300^\circ$  (B)  $270^\circ$ ,  $90^\circ$  (C)  $75^\circ$ ,  $285^\circ$  (D)  $30^\circ$ ,  $330^\circ$

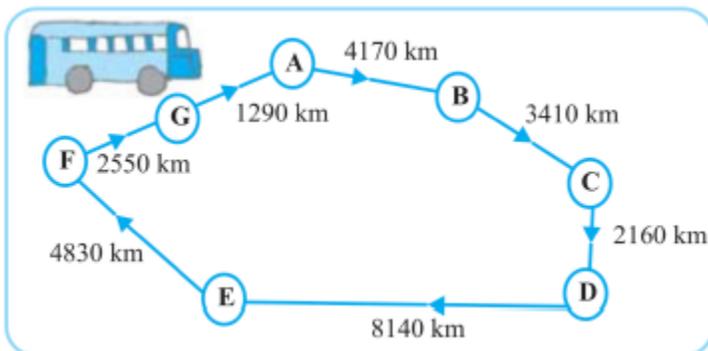
### SECTION - C (APPLY) 12M 3x4

**C.1.** Where will the hand of clock stop if it starts at 5 and makes 1 revolution clockwise. Explain it through rough figure of a clock.

**C.2.** merchant has 610 litres of oil of one kind , 884 litres of another kind and 311 litres of third kind. He wants to sell the oil by mixing the three kinds of oil in tins of equal capacity . What should be the greatest capacity of such tin?

**C.3.** Yasin ran  $1\frac{1}{4}$  km in the morning and  $3\frac{1}{4}$  km in the evening .How much did he run on that day ? How much more he run in the evening?

**C.4.** A bus started its journey and reached different places with a speed of 80 km/hour. The journey is shown below.



- (i) Find the total distance covered by the bus from A to F.
- (ii) Find the difference of distances from C to D and D to E.
- (iii) Find the time taken by the bus to reach from F to A.

### SECTION - D (ANALYSE) 12M

**D.1** Think about the situations where we need to have the exact numbers and compare them with situations where you can do with only an approximately estimated number. Give three examples of each of such situations. **3M**

**D.2** Is there any difference between  $7 \div 0$  and  $0 \div 7$  ? Explain. **2M**

**D.3** Is 1 a prime number or a composite number ? Give reasons. **2M**

**D.4** Amrit observes a few multiples of 2 to be 10, 12, 14, 16... and also numbers like 2410, 4356, 1358, 2972, 5974. She finds some pattern in these numbers. Can you tell what that is ? **2M**

**D.5** Following are the choices of games of 40 students of Class VI: **3M**

football, cricket, football, kho-kho, hockey, cricket, hockey, kho-kho, tennis, tennis, cricket, football, football, hockey, kho-kho, football, cricket, tennis, football, hockey, kho-kho, football, cricket, cricket, football, hockey, kho-kho, tennis, football, hockey, cricket, football, hockey, cricket, football, kho-kho, football, cricket, hockey, football.

(a) Arrange the choices of games in a table using tally marks.

(b) Which game is liked by most of the students?

(c) Which game is liked by minimum number of students?

### SECTION - E (CREATE) 8M

**E.1** a) Assume that you are living in 2<sup>nd</sup> century B.C. There are not many numbers invented. There are only three numbers which are used by people. These are 0, 1 and 2. Be a mathematician, that this world needs and invent 5 more numbers. **4M**

Rules :1. You cannot use 3,4,5,6,7,8, or 9.

Create your own numbers. You can create any symbols of your own. For example :

: Was used for A and

: Was used for B by ancient cultures.

b) Write a four digit number, a six digit number and a nine digit number using numbers available to you. i.e 0, 1, 2 and five those were created by you. **4M**