

**AMRIT INDO CANADIAN ACADEMY**  
**Class-VIII(HOLIDAY HOMEWORK)**

**PART-A**

**General Instructions:**

1. All the subjects' homework should be compiled in single file.
2. Use assignment sheets for completing the activities.
3. Pictures should be pasted along with date and time for survey projects.
4. Do spiral binding of all the sheets together.
- 5.

**English**

The student will cut out articles from the editorial page of the newspaper(the Hindustan times/the Hindu/The Indian Express)and they will paste them in the assignment file. A summary of each article is to be written in about 200-250 words and each article is to be translated into Hindi and Punjabi. The students will adhere to the following for the same.

CLASS	NO.OF ARTICLES	TO BE TRANSLATED INTO PUNJABI	TO BE TRANSLATED INTO HINDI
VI	06	03	03
VII	07	04	03
VIII	08	05	03

**Science**

1. Various chemicals are used as food preservatives nowadays. Collect the information about any one and prepare a report. Mention in your report whether they are safe for you or not.
2. Project: Conduct a survey of 10 families in your neighborhood and find out.
  - (i) How much of polythene they throw in waste everyday?

- (ii) Which type of bags they use when they go to buy vegetables and groceries (whether they carry cloth/jute bag or polythene bags)
- (iii) How many of them use plastic containers to cook in microwave ovens?
- (iv) Visit nearby market and collect data from 10 shops about the kind of polythene bags used for selling the materials. Click the pictures of those bags along with date and time.

Generate awareness to reduce the use of polythene bags.

- a. Draw a poster with heading campaign: "Say No To Plastics."
- b. Write a short note on: Modern World's Invention PLASTIC: -boon (Roll No. 1-25) or a curse (Roll No. 26 -50) in 200 words.

3. A. Find out the chemicals used in making thermoplastic. Do these chemicals have any effect on the food items? Are they safe for you?

B. World Health Organization (WHO) published news to ban microwave ovens. What do you think will it affect the lives of people? How Japan the manufacturer suffer from this change?

Where would be the electrical waste get disposed? Write your own views about this in 200 words.

### SOCIAL SCIENCE

1. Tipu sultan was a visionary ruler of his age .He trained his army with the help of the French. He was keen observer of scientific developments too. Imagine yourself to be a secret admirer of Tipu sultan. Write entry planning strategy to overthrow the British.

Tipu sultan's sword was auctioned a few years back at London. Surf the internet and find out the following details and fill in the blanks given below:-

#### **Tipu sultan's sword:-**

Auctioned in (year) \_\_\_\_\_ brought by \_\_\_\_\_ auctioned at \_\_\_\_\_ auctioned for \_\_\_\_\_ (amount in ponds)

2. Discuss the pros and cons of the impact of British rule in political scenario of Indian terms of education, infrastructure and scientific advancement.

- Do you think the dowry prohibition act has helped in reducing cases of dowry? Would you agree with the critics who claim that this act can be misused by women? (Project) collect newspaper clippings supporting your view point.
- Collect information about the multipurpose projects in India and fill in the blanks. Locate these projects on the political map of India.

### Some major river valley projects in India

project	River(dams/lakes)	Benefiting states
Damodar valley corporation	Damodar(telaiya, mai thon, pancet hill, konar)	
Bhakra nangal		Punjab, Haryana, Rajasthan, Delhi, Himachal Pradesh
Hirakud		Odisha, Chattisgarh
Tungabhadra	Tungabhadra(Tungabhadra)	
Chambal		Madhya Pradesh, Rajasthan
Rihand	Rihand(given Ballabh pant sager lake)	
Kosi		Bihar, Nepal (international project)
	Krishna(left bank, right bank canal)	Andhra Pradesh, Telangana
	Narmada	Gujarat, Rajasthan

### MATHS

- Compare the diameter of the sun that is  $1.4 \times 10^9$  m and the diameter of the earth  $1.275 \times 10^7$  m .
- The distance between the sun and the earth is  $1.496 \times 10^{11}$  m and the distance between the earth and the moon is  $3.84 \times 10^8$  m. during a solar eclipse , the moon comes between the sun and the earth . at that time , what is the distance between the moon and the sun ?
- A trouser is  $78\frac{3}{8}$  cm long . it has a hem of  $2\frac{7}{8}$  cm . if the hem is opened up , what will the length of the trouser be ?
- Find the value of x , if  $5^{x-3} \times 5^{2x-8} = 5^5$
- Evaluate :  $\frac{3}{5} + \left(-\frac{2}{15}\right) + \frac{3}{8} \left(-\frac{1}{3}\right) + \frac{7}{6}$

6. Simplify :  $[(\frac{1}{2})^{-1} \div (\frac{1}{4})] + (\frac{5}{2})^{-3}$
7. Express in usual form :  $7.89 \times 10^{-7}$
8. Write in decimal form :  $3 \times 10^2 + 6 \times 10^0 + 2 \times 10^{-1} + 6 \times 10^{-3}$
9. The temperature in Chicago on a cold winter night was  $-12^\circ \text{C}$  . convert this temperature into  $^\circ \text{F}$  [ Hint :  $\frac{C}{5} = \frac{(F-32)}{9}$  ]
10. Solve :  $5(2r + 1) - 3(2r - 1) = 12 - 2(r - 3)$
11. A pizza shop hires Avi to deliver pizzas . Avi is paid ₹ 8 for every pizza , that is delivered but fined ₹ 6 for every pizza he fails to deliver or delivers late . If Avi is delivered 75 pizzas and gets paid ₹ 460 . How many pizzas did Avi fails to deliver or delivered late ?
12. The following table represent the number of hours the students of the class study every day.  
 ( a ) Draw a histogram to represent the given data.  
 ( b ) Find the ratio of the number of students who study for 1 to 2 hours to the number of students who study for 4 to 5 hours .

Number of hours	1 – 2	2 – 3	3 – 4	4 – 5	5 – 6	6 – 7
Number of students	6	16	8	4	1	2

13. The number of students admitted to different departments of a college are given below :

Science	Arts	Commerce	Law	Education
320	560	320	160	240

14. A box contains cards numbered 1 to 50 . one card is drawn at random . Find the probability that the card contains a number which is multiple of  
 ( a ) 3 or 5 ( b ) 2 and 4
15. Two coins are tossed . Find the probability of getting ( a ) one head ( b ) no tail
16. After six years , I shall be four times as old as I was 6 years ago . Find my present age .
17. Write six rational numbers between  $\frac{3}{7}$  and  $\frac{5}{8}$
18. A card is drawn from a pack of 52 playing cards . what is the probability that the card drawn out is : ( a ) black in colour ( b ) a king ( c ) a face card
19. A set of observations is grouped into class intervals  
 0 – 20 , 20 – 40 , 40 – 60 , 60 – 80 , 80 – 100  
 Answer the following ;  
 ( a ) what is the width of each class interval ?  
 ( b ) what is the lower limit of the class interval 20 – 40 ?  
 ( c ) what is the upper limit of the class interval 60 – 80 ?  
 ( d ) In which class interval will the observation 40 lie ?
20. Two numbers are such that the ratio between them is 3:5. If each is increased by 10, the ratio between the new numbers so formed is 5:7. Find the original numbers.

### COMPUTER

Make a presentation on the topic “Different types of Data types in MS-Access and write its purpose“ with a minimum of 8-10 slides. This presentation is to made in MS-PowerPoint.

Your presentation should include:-

- Different background/color schemes for each slide.
- Animations
- Transition effect
- The presentation is to be saved on CD.

### **Art and Craft**

- Make a collage by cutting of newspapers and magazines on nature landscape. (1-15)
- Make a photo frame by using waste material and colourful clay. (16- 30)
- Make a dot painting on any topic of your choice. ( 31- till last)