

# ST. ARVINDO ACADEMY

AFFILIATED TO C.B.S.E.(DELHI) 10+2

ARGORA, RANCHI

SESSION-2024 – 25

HOLIDAY HOMEWORK – CLASS - NUR

In Holiday Worksheet -

\*English – Page no. – 1 – 11

\*Hindi – Page no. – 37 – 44

\*Maths Page no. – 69 – 77 & 81 – 82

\*G.K. – Page no. – 95

H.H.W. given in 3 in 1 Notebook also.

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HOLIDAY HOMEWORK – CLASS - LKG

In Holiday Worksheet -

\*English – Page no. – 1 – 7

\*Hindi – Page no. – 21 – 27

\*Maths Page no. – 43 – 53

\*G.K. – Page no. – 69

\*Knowledge Empowers Page no – 3 - 5.

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HOLIDAY HOMEWORK – CLASS - UKG

In Holiday Worksheet -

\*English – Page no. – 1 – 10

\*Hindi – Page no. – 29 – 41

\*Maths Page no. – 57 – 65

\*G.K. – Page no. – 89 – 91

\*English Writing Book – Page no. – 2 – 20

\* Hindi Sulekh – Page no. – 2 – 15

# ST. ARVINDO ACADEMY

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## HOLIDAY HOMEWORK – CLASS – I

Note – Do all the H.H.W. in A4 size paper and make a stick file for H.H.W.

### A ENGLISH -

1. Learn and write the poem “Colours” in a beautiful way.
2. Draw 10 pictures to show the use of This / That, make sentences also.
3. Write 10 sentences to show use of a / an.
4. Draw pictures of 10 naming words and colour also.
5. Paste picture of festival of Jharkhand and write 5 sentences.
6. Why we should not use plastic bags? Write 5 lines.
7. Learn and write the poem – “My Favourite food is Broccoli.”
8. Define Noun. Write – 10 Person’s name, 10 Animal’s name,  
10 Place’s name, 10 Things name.
9. Write 5 lines about – (a) Our National Flag and (b) Our National Bird.
10. (a) Make a model of broccoli by your own creativity.  
(b) Make a model of peacock by your own creativity.

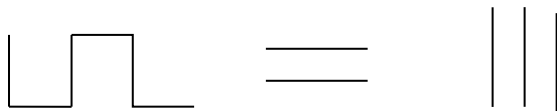
English Cursive Book- Do Page no. – 15 to 30 in your book.

### B. MATHS -

1. Write the tables of 11, 12, 13, 14, 15 in a beautiful way.
2. Write the number names (0 – 100).
3. Write counting numbers (101 – 300).
4. Draw a house using different shapes and colour it.
5. Make a wall clock by your own creativity.
6. Draw a Rangoli of different shapes using colours.
7. (a) Paste wool or any thread to show the curve line.



- (b) Use match stick to show different straight lines.



8. Draw the following shapes colour them and draw one example of that shape.  
(a) Triangle                      (b) Rectangle                      (c) Circle  
(d) Square                          (e) Cone

9. Do Page no. 7, 8, 9, 10, 11 in A4 size paper.
10. Read the poem of Page no. 23 and write in a decorative way on A4 size paper.

### C. SCIENCE

1. Collect 5 pictures each of living and non – living things and paste them in your scrapbook.
2. What are Natural things? Write answer and paste 5 Natural things.
3. What is Man – made things? Write answer and paste 5 pictures of 5 man – made things.
4. Write 5 good habits. Paste pictures related to it.
5. Draw pictures from Page no. 12. Write one line about each picture.
6. Which part of the plant is under the ground? (paste picture)
7. Which tree has the biggest leaves in size? (paste pictures)
8. What will happen if there are no plants? (write 10 lines).
9. Draw or paste 2 pictures of -
  - (a) Tree
  - (b) Creepers
  - (c) Climbers
  - (d) Herbs
  - (e) Shrubs

### D. S.ST.

1. Paste your picture and write 10 lines about yourself.
2. Draw Chinky and Chinku and write the poem.
3. Draw 5 foods which we get from plants and colour them.
4. Draw 5 foods which we get from animals and colour them.
5. Write 5 good eating habits and learn also.
6. Do Page no 10 in A4 size paper. Draw pictures and match them.
7. Draw 2 winter wears and write names and colour.
8. Draw 2 summer wears and write names and colour.
9. Draw 2 rainy wears and write names and colour.
10. From where we get cotton. Draw picture to tell your answer.
11. From where we get wool. Draw picture to show your answer.

### E. G.K. / M.SCI.

1. G.K. - Learn Ch – 1 to 8.
2. M.Sci. – Learn Ch – 1 & 2.

1. Collect 5 pictures each of living

कक्षा - 1

I) स्वर वर्ण का सचित्र वर्णन करें।

(II) तीन और वर्ण वाले दस-दस शब्द सचित्र लिखें।

(LII) सुलैख पेज नं० 11 से 20 तक लिखें।

(IV) पाँच पर्यायवाची शब्द सचित्र लिखें।

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### HOLIDAY HOMEWORK - CLASS - II

#### A ENGLISH -

1. English C.B. - Reader

\*Ch - 1. Two Kites - Learn and write two times.

\*Draw and colour the picture of kite flying in the sky.

\*Learn and write the word meaning -

(a) flapped (b) breeze (c) suddenly (d) tosses

2. Draw the pictures of Rainy Day and write about the five lines.

3. English Gr.B. - Show the picture of noun - person, place or thing.

English writing - page no. - 10 to 15.

#### B. MATHS -

1. Ch - 1. Page no. 13 - compare the following using  $>$ ,  $<$  or  $=$  sign and complete the sentence.

2. Ch - 2. Page no. 27 - Find the sum using number line. Page no. 28 - Arrange in column to add and check your answer.

#### C. SCIENCE

1. Ch- 1. Page no. - 10.

(i) Draw any one living thing in three different sizes to show it growing.

(ii) Draw or past five living thing and 5 non - living things. Write their five characters.

(iii) Give reason:-

(a) A balloon grows in size and also moves but it is not a living thing.

(b) A car runs on petrol but it is not a living thing.

2. Draw the skeleton system and label it.

#### D. S.ST.

\*Chapter – 1.

(i) Draw the pictures of joint family.

(ii) How do you help your parents? Write two things that you do help your family.

\*Chapter – 2.

(i) Draw the pictures of meals of the day.

Breakfast, Lunch and Dinner.

(ii) Write two lines of good eating habits.

E. G.K / M.SCI.

G.K. – Draw the National Flag and five lines about it.

M.Sci. – Draw the pictures of five types of healthy food.

Ch – 4 – Draw or paste 'Sharing is Caring' and write short story on this topic.

Hindi

I) विमल को शीर्षक कविता अक्षर लिखें -

II) इंडा फरारे समय इमें किन बाने का  
कृमान पूरवना चाहिर अक्षर वर्णन करे।

III) सुखेव पेज न० 11 से 16 तक लिखें.

IV) कक्षा में पढ़ाए गए पाठ को याद करे और  
एक कौमी में लिखें -

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## HOLIDAY HOMEWORK – CLASS – III

### A ENGLISH -

1. Make the sentences -

- (i) Tree      (ii) Water      (iii) Fruits      (iv) Mother      (v) Cricket  
(vi) Tiger      (vii) Park      (viii) School      (ix) Peacock      (x) Friends

2. Write a short paragraph about 'Summer Vacation'.

3. Make a poster on save water and give it a suitable title.

4. English handwriting – Page no. 10 – 20.

### B MATHS -

1. Write the table from 2 to 20 on A4 size paper.

2. Write the Roman Numerals from 1 to 50 on A4 size paper.

3. Page no. – 49 to 61 have to be done in the book.

4. Circle the even and cross the odd number.

2343              5676              7907              1008              9421

3333              9071              2115              1357              9007

**C SCIENCE -**

1. Define living things and non – living things and draw it.
2. A fish dies when taken out of water. Can you explain why?
3. Draw the parts of plant and label it.
4. Write the function of root, stem and leaf.
5. Paste picture of the following animals in your notebook.
  - (i) Two herbivores
  - (ii) Two carnivores
  - (iii) Two omnivores
  - (iv) Two gnawing animals

**D S.ST. -**

1. Draw the solar system and label it.
  2. On a World Map, mark the five oceans and seven continents. Use blue colour for oceans and different colours for continents.
  3. Paste the picture of our current Prime Minister and President Of India and also write about it.
- 
4. On a Map of India, mark:  
Rivers Ganga, Narmada, Tapi, Mahanadi, Godavari, Krishna and Kaveri.

**E Computer -**

1. Draw the computer set and label it.
2. Draw the input device and output device and explain it.
3. Do Activity Time in your book , Ch – 1, 2, 3.

**F G.K. / M.Sci. -**

1. Write about 10 good habits.
2. Paste the pictures of 5 famous personalities of Jharkhand.
3. Write a moral story and also write its moral value.

Hindi -

1. सुलेख पेज नं० 11 से 14 तक लिखें।
2. देश के लिए अपनी जान का परवाह नहीं करनेवाले 5 वीर साधुओं का स्वच्छ चर्चन करें।
3. दीपावली, होली, ईद, क्रिस्मस और गुरुपर्व त्योहार कब मनाये जाते हैं? पाँच लाईन सफ़ा चर्चन करें।
4. कक्षा में पढ़ाये गये पाठ को याद करें और रफ कॉपी में लिखें।

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### HOLIDAY HOMEWORK - CLASS - IV

➔ G.K.

1. What kind of trees we should plant to get more and more oxygen.  
Draw pictures and mention name.
2. Draw five pictures related to cleanliness in Neighbourhood.
3. Draw any 5 Yoga Asanas Pose and write their name below.
4. Write 5 rules regarding Online Safety.
5. Write all the 28 states and their capitals. Also write Chief Minister's name (at present).



**M.Sc.**

1. How can you show your respect towards your toys or any other appliances in your home? Write 10 lines.
2. Write three ideas to help where you can help people.
3. Make a list of your classmates and write any three good qualities they have.
4. Read Ch-1, 2 and 3. Write 15 new words from each Chapter and one – one synonyms.

➔ **S.ST.**

Activity of April, May and July do in copy. Page no. 18, 27 and 52.

1. Name one place in the Himalayas you would like to go to for holiday during the summers.

Why would you want to go there?

2. Why is there no vegetation in the Himadri region?
3. Have you heard about Swachh Bharat Abhiyan? Write a few lines about your role in Swachh Bharat Abhiyan?

Learn All hard words, new word in lesson 1, 2 and 3.

➔ **COMPUTER**

1. Learn the Ch – 1, 2 with hard words.
2. Do the following activities: (on A4 size paper)
  - (a) Write the different types of computer.
  - (b) Draw the Charles Babbage's and writes five points about it.
  - (c) Draw the keyboard and write about various types of keys.
3. Draw the following diagram and write five point about it (in A4 size paper):-
  - (a) Mouse (b) Printer (c) Microphone (d) Pen Drive (e) CPU
4. Do Activity Time in your book of those chapters which is completed.

➔ **SCIENCE -**

1. Learn the chapter – 1, 2 & 3 with hard words.
2. Do the following activities – (in A4 page).
  - (a) Draw the picture of insectivorous plants.
  - (b) Draw life cycle of butterfly.
  - (c) Paste a pictures of different animals on the basis of their food habits.
3. Draw the following diagram (in A4 size)-
  - (a) Photosynthesis (page no. 3)
  - (b) The different part of plants that we eat (page no 4)
  - (c) Starch test (page no 7)
  - (d) Structure of bird egg (page no 22)
  - (e) Life cycle of bird (page no 23)

➔ **MATHS -**

1. Do Maths Lab activity (page no. 51) in your activity copy.
2. Make a maths activity model for addition and subtraction.

➔ **ENGLISH -**

1. Find out the names of the "Common flowers found in India". Write their names in English as well as the names they are known by in India. In your scrapbook paste the pictures of the same.
2. Collect pictures of precious stones and paste them in your scrapbook.
3. Handwriting in your handwriting book page no. – 1 to 5.

4. Learn and write definition of sentence and its kinds in your notebook.
5. learn question and answer of chapter – “The Strange Cap” and draw a beautiful attractive “Cap” in your notebook.
6. Learn and write the poem “The Balloon Man” (Literature Book) and draw a colourful picture of the same in your Literature notebook.

### कक्षा - IV

(I) सम्राट अशोक के जीवनी पर प्रकाश डालते हुए उनके बारे में दस लाइन लिखें -

(II) सुलेख पैन नं 11 से 20 तक लिखें।

(III) परिश्रम के महत्व को बताते हुए एक लघु कथा लिखें।

(IV) कक्षा में पदार गए पाठ को दीहारा तथा रफ कॉपी में लिखें।

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HOLIDAY HOMEWORK - CLASS - V

➔ **S.ST.**

Activity of April, May and July do in copy.

(A). On an outline Map of World, mark the following with the help of an atlas.

- (a) Mountains – Himalaya, Alps, Rockies
- (b) Deserts – Sahara, Kalahari, Atacama and Thar.
- (c) Rivers – Nile Congo, Ganga
- (d) Plateaus – Tibetan plateau, Deccan Plateau
- (e) Islands – Australia, Greenland, Andaman and Nicobar Islands.

(B). Make a poster or a collage titled “Landforms of the earth’. You can use different materials to show different landforms like sand can be used to show a desert.

(C). Prepare a project on the climate regions of the world – (i) Names of countries in the region (ii) Crops (iii) Currency (iv) Vegetation (v) Wildlife and so on.

(D). Make a model of any of the different means of transport train, bus, aeroplane or ship.

You can use clay, thermocole, cardboard or modelling clay etc.

(E). Learn hard words, new words questions with answer in Lesson1, 2, 3.

➔ **COMPUTER -**

(A). Do activities of April, May and June months.

Page no. – 13, 14, 15 and 16 A, B, C and D

Page no. – 31, 32 and 33 A, B and C

Page no.- 51, 52

(B). Learn all hard words and questions with answer in Lesson 1 and 2.

(C). Do Activity Time in your book of those chapters which is completed.

➔ **SCIENCE -**

1. Learn the chapter – 1, 2 & 3 with hard words.

2. Do the following activities – (in A4 page).

- (a) Skeletal system with different bones labelled.
- (b) Different types of microbes and disease caused by them.

3. Draw the following diagram (in A4 page):-

- (a) Structure of seed
- (b) Germination of seed to plant.
- (c) Bone structure
- (d) Skull
- (e) Ribcage

➔ **MATHS -**

1. Do Maths Lab activity (page no. 43, 65) in your activity copy.

2. Write Prime number of 1 to 100 in your note book.

3. Write test divisibility rule of 2, 3, 4, 5, 6, 7, 8, 9, 10 11 in your notebook.

➔ **ENGLISH -**

1. Make a colourful poster which depicts life in the hills.

2. Make a list of your favourite leaders of India. Which leaders from the list

does you like the most? Paste pictures of any four of them and write few sentences (at least four sentences) about them. (in your scrapbook)

3. Good handwriting in your handwriting book - Page no. 1 to 5.
4. Learn definition of sentence and its kinds.
5. Learn Q/A of the chapters taught in your class (Main C.B. and Literature Section).
6. Learn and write poem 'Topsy Turvy' and make a colourful picture in your notebook.

G.K. / M.SCI. -

1. Paste 5 picture of Nocturnal animal in A4 size paper.
2. Paste 5 pictures of women freedom fighter in A4 size paper.
3. Paste 5 asana and write about it.
4. Write a short story in M.Sci. Copy with moral value.

कक्षा - 7

(I) सोरे जहाँ से अच्छा इस कविता के आधार पर पाँच ऐसे वाक्यों को लिखिए जिनमें भारत को विश्व में सबसे सुंदर देश कहा गया है।

(II) सुलेख पृष्ठ नं. 11 से 20 तक लिखें

(III) दस पर्यायवाची शब्द सचित्र लिखें

(IV) अपने परिवार के सदस्यों के फोटो चिपकाएँ और नाम लिखें तथा उन नामों के वर्ण-विच्छेद करें।

HOLIDAY HOMEWORK – CLASS – VI

➡ S.ST.

(A). Do Activities of April, May June and July.

1. Page no. – 8, Q no. – B
2. Page no. – 178, Debate on Caste System
3. Page no. – 18, Q no. – A
4. Page no. – 38, SHH Project work
5. Page no. – 30, Map Work
6. Page no. – 22, Q no. – B
7. Page no. – 196, Activity do in H.H.W. copy

(B). Learn all new words-

History – Lesson 1, 2      Geography – Lesson 1, 2      Civics – Lesson 1, 2

(C). Learn all short and long question with answer -

History – Lesson 2      Geography – Lesson 2      Civics – Lesson 2

➡ G.K.

1. Draw and colour 5 medicinal plants in copy.
2. Make a picture of 5 basic yoga pose in copy.
3. Write 28 states and their capitals name in copy.

➡ M.SCI.

1. Ch- 1. Do Q. No. – B, C and D in copy.
2. Ch – 2. Do Q. no. – B, C in copy.
3. Do page no. – 65, 66, 67 in book.

➡ SCIENCE

1. Prepare a meal (food) at your home. Write recipe and ingredients used in it. Write in your science biology copy.
2. On a chart paper paste types of herbivores, carnivores and omnivores animals.
3. Prepare a pie – chart on a chart paper of component of food.
4. Do activity 1, 2 of syllabus of April and May.

➡ COMPUTER

Project Work – Do on A4 Size Paper in Stick File.

1. Prepare types of memory chart and measuring the computer's memory table.
2. Boys – Prepare note on Input Devices and learn it.  
Girls – Prepare notes on output Devices and learn it.
3. Draw or paste the 5 computer parts and also write few lines on it.
4. Write 15 Keyboard Shortcut keys with full definition.
5. Do Activity Time in your book of those chapters which is completed.

➡ ENGLISH

1. Collect information about planets. Write a paragraph each for any two planets (at least 150 words) in your notebook. Draw the pictures also.
2. Make a poster. Write the things that you wish to achieve in your life, on the poster in bold. Make it look attractive.

3. Write three pages in beautiful handwriting in your notebook.
4. Learn definition of sentence and its kinds.
5. Learn Q/A of the chapters taught in the class.
6. Do the exercises given in chapter 4, kinds of nouns, Page no. – 22 in your book (GR.)

➔ MATHS

1. Solve Test Paper – 1 (Page no. 21), Test Paper – 2 (Page no. 43) in Maths copy.
2. Write Activity – 1 (Page no. 245), Activity – 2 (Page no. 247) in A4 Sheet Paper and Submit in Stick file.
3. Complete Ch – 1, 2 in Maths copy.

अवकाश कार्य



Page No : .....

Date : .../.../...

कक्षा - छः गृह कार्य

① परियोजना कार्य - (1) महाराणा प्रताप के जीवन तथा कार्यों के विषय में विस्तार से जानकारी प्राप्त करें एवं चित्र सहित वर्णन करें।

② भाषा और वर्ण को परिभाषित करें।

③ रचनात्मक कार्य - (1) पवित्र ग्रंथ रामायण के रचनाकार महर्षि वाल्मीकि के जीवन परिचय का चित्र सहित वर्णन करें।

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## HOLIDAY HOMEWORK – CLASS – VII

### ➔ S.ST.

(A). Question and Answer-

Geography –

\*page no. – 108, Things to do

\*page no. – 115, 116, Enrichment activity

\*page no. – 130, Things to do, Q no. – B

History -

\*page no. – 124, Map work

Civics -

\*page no. – 198, Q no. – B

\*page no. – 204, 205, Do in Holiday copy

(B). Learn all new words-

History – Lesson 1, 2

Geography – Lesson 1, 2

Civics – Lesson 1, 2

(C). Learn all question with answer -

History – Lesson 2

Geography – Lesson 2

Civics – Lesson 1

### ➔ COMPUTER

Project Work – Do on A4 Size Paper in Stick File.

1. Draw the diagram of different generation of computers with example.
2. Draw the 5 computers device and function in copy.
3. Draw the desktop image with all important icon.
4. Do Activity Time in your book of those chapters which is completed.

### ➔ ENGLISH

1. Write a short note on how to take care of sick animals.
2. Make a list of 'idioms' with their correct meaning (at least ten).
3. Draw on chart paper, the selfish Giant's garden during the spring. Use beautiful colours to make it more attractive (from literature book).
4. Write four pages in beautiful handwriting in not book.
5. Learn definition of sentence and nouns and their kinds also.
6. Learn Q/A of the chapters taught in the class. Learn word meanings also.

### ➔ SCIENCE

1. Do HOTS question from page no 21. (creative and innovative thinking skill based questions).  
and from Page no. – 37 (HOTS) question in A4 size paper.
2. Do activity of April in S4 size paper.
3. Draw 5 insectivorous plants and write their features in A4 size paper.
4. Draw human digestive system and label each part.

### ➔ MATHS

1. Do Test Paper – 1 (Page no. 15), Test Paper – 2 (Page no. 34), Test Paper – 3 (Page no.

in Maths copy.

2. Write Activity – 1 (Page no. 284, 285) in A4 Sheet Paper and Submit in Stick file.
3. Complete Ch – 1, 2 and 3 in Maths copy.
4. Make Maths working model on fraction.

➔ M.SCI.

Ch – 2 A New Age.

1. Let's Go: Question / Answer (A) Q No. – 1 to 4. Do it in copy.
2. Write poem in copy (page no. 15) – "A Tribute to the Elderly."
3. Let's Act – Question A and B (page no. 13 and 14) do it in your book as well as in copy.
4. My Reflections:
  - (i) My Virtues / Values.
  - (ii) How to Build your confidence (do it in copy and book).

➔ G.K.

1. Unit 1 – Ch – 4 to 6.
  2. Unit 2 – Ch – 7 to 10.
- (Do it in book as well as in copy).

कक्षा - सातवीं अवकाश  
बृहत्कार्य

① परियोजना कार्य - सारस्वती वंदना - भारतीय संस्कृति का महत्वपूर्ण अंग है। उनका किसी अन्य वंदना को चित्र सहित वर्णन करें।

② गीनालिसा की कलाकृति दुनिया की लोकप्रिय कलाकृतियों में से एक है। उनके बारे में इंटरनेट से जानकारी हासिल करें, स्वयं चित्र वर्णन करें।

③ भाषा और वर्णों को उदाहरण के साथ परिभाषित करें।



# ST. ARVINDO ACADEMY

AFFILIATED TO C.B.S.E.(DELHI) 10+2

ARGORA, RANCHI

SESSION-2024 – 25

## HOLIDAY HOMEWORK – CLASS – VIII

### ➡ SCIENCE

1. On a chart paper, collect different types of natural and synthetic fibres and paste it name wise.
2. Survey in your locality and collect the data of plastic waste and its effects on environment. Also find ways to minimise the plastic waste in your locality to clean the environment. Write 10 points of problems due to plastic waste and 10 points to minimize plastic waste. Do this activity on chart paper.
3. Draw different types of micro-organism on a chart paper.
4. Do activity 1, 2 and Project – 1 of April and May Syllabus.

### ➡ COMPUTER

1. Download PowerPoint 2019 in your computer or mobile phone and make a presentation on “Computer Software and Types of Computer Software”.
2. Create a presentation on “Save water” of at least 5 slides.
3. Do activity of April and May syllabus.
4. Do activity time page no. 8, 24, 35 in book.

### ➡ S.ST.

#### 1. History -

- (i) Collect information on any four buildings of the British period. Your information should include:

\*Location of the building

\*Period of Construction

\*Material used

Paste picture of the same.

2. Draw ‘Soil Profile’ and label it. Use different colours to make it more attractive. (do in your note book)

3. Suppose you are late for school. As you are about to cross the road. You see a patient trying to cross the road. What will you do in such a situation? Give reasons. (Write in about 150 words).

4. On the outline Map of India, mark and name the major Indian rivers. Also mark the following dams: Bhakra Nangal, Tilaiya, Narmada and Hirakund.

5. Learn short Q/A and objectives Q/A from all three sections (His, Civics, Geo) taught in the class.

6. Draw a beautiful and attractive picture of your ‘School’ and write your ‘Duties’

towards

your school below the picture.

कक्षा - आठवीं

अवकाश  
चुस्काय

Page No: .....

Date: .../.../...

① रचनात्मक कार्य - देवी - देवता किसी विशेष उद्देश्य से अवतार लेती हैं, सीता जी का अवतरण किस विशेष उद्देश्य से हुआ था। सचित्र वर्णन करें।

② परियोजना कार्य - सुदामा और कृष्ण की मित्रता की दृष्टि से इस मित्रता के महत्व को सचित्र वर्णन करें।

③ शब्द - विचार एवं शब्द भंडार का वस - इस उदाहरण लिखें।

#### ➔ MATHS

1. Do Test Paper - 1 (page no. 27), Test Paper - 2 (page no. 39), Test Paper - 3 (page no62) in Maths copy.
2. Write properties of addition, subtraction, multiplication and division in A4 sheet and submit in stick file.
3. Make a working Maths model on square and square roots and cube and cube roots.
4. Complete Ch - 1, 2, 3 in Maths copy.

Std : VIII

English

### Passage 1 :

A 92 year -old lady, who is fully dressed each morning by eight o'clock with perfect make up, even though she is blind, moved to an old age home. Her husband recently passed away. She didn't even have children too. After many hours of waiting patiently in the lobby she smiled sweetly when she was ready. She was provided a visual description of her tiny room.

"I love it," stated with the enthusiasm of an eight-year old having just been presented with a new puppy.

"But..... but Mrs. Jones, you haven't seen the room," said the attendant. "That doesn't have anything to do with it," she replied. "Happiness is something you decide, I have already decided to love it. It is a decision I make every morning I wake up. I can spend the day in bed, recounting the difficulty I have with the parts of my body that don't work, or get out of bed and be thankful for the ones that do. Each day is a gift, and as long as I am alive I'll focus on the new day and all the happy memories I've stored away, just for this time in my life." The attendant was touched by the elderly woman's sense of cheer and boundless enthusiasm.

2.1 On the basis of the reading of the passage, answer the questions: (2 X 4 = 8)

- Q 1) Why did the old woman move to an old age home?
- Q 2) How did she react when the attendant gave a description of the room she had to live in?
- Q 3) What resolution did she make when she woke up every morning?
- Q 4) What does the story tell about the old woman?

2.2 From the passage find out the one word substitute for the following explanations: (2 Marks)

- 1) Give an account of
- 2) Unlimited

2.3 Find the antonym of the following words from the passage: (2 Marks)

- 1) Whole
- 2) dead

### Passage 2

Read the passage given below and answer carefully: (7 Marks)

One day the old emperor Shahjahan became ill. His son Aurangzeb, who always wanted to be the emperor, put his father in a jail. Jahanara begum, the eldest child of Shahjahan, did not leave her father and went to jail along with him. She said, "I shall share the suffering of my father. He needs me in his old age, and I shall never leave him." Shahjahan lived in the jail for seven years and then he died. During that period princess Jahanara stayed with him and took care of him. After the death of her father she returned to her own palace. She continued to live there and spent the rest of her life serving the needy and the poor. Before her death she gave away all her money to the poor and the needy. She was highly educated and well versed in Persian and Arabic, as well as a writer, painter and poet. Jahanara was Shahjahan's preferred child. Legend says that once when Aurangzeb was severely sick, Jahanara took care of him. Jahanara died on September 5, 1681, at the age of 67. Upon her death, Aurangzeb gave her the posthumous title: Sahibat-uz-Zamani (mistress of age).

3.1 On the basis of your reading the passage, answer the questions:

- Q 1) What was Aurangzeb's aim in life?

---

Q 2) Who was the eldest child of Shahjahan?

Q 3) Pick out and write the line from the passage which shows that Jahanara begum was a caring daughter?

Q 4) What did Aurangzeb do when his father became ill?

Q3. Revise the syllabus completed till date.

Q4. Page no. 1 to 4 in grammar book.

Q5. Make a chart on the topic - "THE SENTENCE".

### Passage 3

Read the following passage carefully and answer the questions given below.

Lakshadweep is an archipelago located 200 – 400 km west of the coast of Kerala in the Arabian Sea. The archipelago consists of 36 main islands and many smaller islands, coral atolls and coral reefs. It is the smallest union territory in India. Lakshadweep means a hundred thousand islands in the local language, Malayalam. Earlier the name Lakshadweep referred to the three archipelagos in the Indian Ocean, the present Lakshadweep, Maldives and Suvaldives. Only — ten of the Lakshadweep islands are inhabited and more than 90 percent of the indigenous population is Muslims. The main economic activities are fishing, coconut cultivation and coir twisting. Tourism is an emerging industry. Tourists require an entry permit to visit Lakshadweep, the permit is issued in Kochi (in Kerala). Foreign nationals are allowed only in Kadmat, Bangaram and Agatti islands. Coconut is the main crop cultivated in the island. Lakshadweep is India's largest producer of coconuts. About 2,598 hectares are under coconut cultivation and the productivity per hectare is 22,310. Coconuts cultivated in the Lakshadweep are also rich in coconut oil.

4.1 Complete the following sentences as briefly as possible.

- Q 1) \_\_\_\_\_ is the smallest union territory in India.
- Q 2) Lakshadweep is situated in \_\_\_\_\_.
- Q 3) \_\_\_\_\_ are the main economic activities of Lakshadweep islands.
- Q 4) Malayalam is the language of \_\_\_\_\_.
- Q 5) Foreigners can visit only \_\_\_\_\_.

### 2 PARAGRAPH WRITING

Write the paragraph on the given images.



# **.ST. ARVINDO ACADEMY**

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*ARGORA, RANCHI*  
**SESSION-2024 – 25**

## **HOLIDAY HOMEWORK – CLASS – IX**

### **➡ INFORMATION TECHNOLOGY (I.T.)**

- 1. Write down 15 shortcuts key in your project file.**
- 2. Write down 50 full forms in your project file.**
- 3. What are the methods of communication? Explain with the help of diagram.(Page-13)**
- 4. What are the elements of communication cycle? Explain with the help of diagram.(Page-9)**
- 5. Draw a figure of 7C's of Communication. Explain it. (Page-24)**
- 6. What are parts of speech? Explain with the help of diagram. (Page-28)**
- 7. Draw the parts of computer? Explain each part. (Ex – Monitor, Keyboard, CPU, Mouse, System Unit box, )**

**Note: Write these assignments in your project file (A4 size paper + Stick file).**

### **➡ SCIENCE**

**Do the given assignment.**

**Phy – Motion**

**Bio – Cell**

**Learn Ch – Motion and Cell**

**Do all practical work in B.R. International Copy.**

कक्षा नवी अथकाश कार्य

ST. ARVINDO ACADEMY.

Holiday Homework.

class - IX

Sub-maths.

2024-25

①

ch-1 (Number Systems)

②

① find nine rational number between 0 and 0.1

② Express the following mixed recurring decimals in the form  $\frac{p}{q}$ .

①  $3.4\bar{5}$       ②  $13.8\bar{21}$

③ Represent the numbers  $\sqrt{2}$ ,  $\sqrt{3}$ ,  $\sqrt{5}$  on the number line.

→ S.ST.

1. W

Ec

2. L

3. D

④ Simplify ①  $(256)^{-\left(4^{-\frac{3}{2}}\right)}$ .

②  $16 \times 2^{n+1} - 4 \times 2^n$

$\frac{16 \times 2^{n+2} - 2 \times 2^{n+2}}$

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

⑥ If both a and b are rational numbers. find the value of a and b.

$$\textcircled{1} \frac{\sqrt{2} + \sqrt{3}}{3\sqrt{2} - 2\sqrt{3}} = a - b\sqrt{6}.$$

⑦ If x, y, z are positive real numbers

$$P.T \sqrt{x^{-1}y} \cdot \sqrt{y^{-1}z} \cdot \sqrt{z^{-1}x} = 1$$

(8) If  $x = \frac{\sqrt{p+2q} + \sqrt{p-2q}}{\sqrt{p+2q} - \sqrt{p-2q}}$  then show that  $qx^2 - px + q = 0$

(8) If  $abc = 1$  then find the value of  $\frac{1}{1+a+b} + \frac{1}{1+b+c} + \frac{1}{1+c+a}$

(9) If  $x = \frac{\sqrt{3} + \sqrt{2}}{\sqrt{3} - \sqrt{2}}$  and  $y = \frac{\sqrt{3} - \sqrt{2}}{\sqrt{3} + \sqrt{2}}$  then

find the value of  $x^2 + y^2$

(10) If  $\frac{9^n \times 3^2 \times (3^{-n/2})^{-2} - (27)^n}{3^{3m} \times 2^3} = \frac{1}{27}$

prove that  $m - n = 1$



## Ch-2 polynomials

(1) If  $\frac{x}{y} + \frac{y}{x} = -1$ , where  $x \neq 0$  and  $y \neq 0$ .

then find the value of  $x^3 - y^3$ .

(2) If  $a, b, c$  are all non-zero and  $a+b+c=0$  prove that  $\frac{a^2}{bc} + \frac{b^2}{ca} + \frac{c^2}{ab} = 3$

(3) If both  $x-2$  and  $x-\frac{1}{2}$  are factors of  $px^2 + 5x + \gamma$ . show that  $p = \gamma$ .

(4) If  $a+b+c = 9$  and  $ab+bc+ca = 26$   
find  $a^2+b^2+c^2$ .

(5) If  $x+1$  is a factor of  $ax^3 + x^2 - 2x + 4a - 9$   
find the value of  $a$ .

(6) Show that  $p-1$  is a factor of  $p^{10} - 1$   
and also of  $p^{11} - 1$

(7) Simplify  $(a^2 - b^2)^3 + (b^2 - c^2)^3 + (c^2 - a^2)^3$   
 $\frac{(a^2 - b^2)^3 + (b^2 - c^2)^3 + (c^2 - a^2)^3}{(a-b)^3 + (b-c)^3 + (c-a)^3}$

(8) prove that  $x^3 + y^3 + z^3 - 3xyz = (x+y+z)(x^2 + y^2 + z^2 - xy - yz - zx)$ .

(9) Find the value of  $k$ , if the polynomial  $2x^4 - kx^3 + 4x^2 + 2x + 1$  is exactly divisible by  $1-2x$ .

(10) Let  $R_1$  and  $R_2$  be the remainders when the polynomials  $x^3 + 2x^2 - 5x - 7$  and  $x^3 + ax^2 - 12x + 6$  are divided by  $(x+1)$  and  $(x-2)$  respectively. If  $2R_1 + R_2 = 6$  find the value of  $a$ .

Class - IX

Practical Copy - B.R INTERNATIONAL

Maths practical Activity.

Do Activity no → 3, 4, 5, 6, 7, 13A, 15, 16, 18,  
22, 24, 26, 28, 29, 35.

Std - IX

1. Watch English news daily in order to equip yourself with the information and facts to be used in as content in writing skills.
2. Read the chapters 'The Sound Of Music', 'The Little Girl' and write the character sketches of the following.
  - a. Bismillah Khan
  - b. Evelyn Glennie
  - c. Margie
3. You are Vaibhav, Vaibhavi. You are asked to write an article for the school magazine on 'climate change'. Use your ideas and hints given below.

Human activities - burning fossil fuels - releases carbon dioxide - rise in earth's temperature - causes sea level changes - adversely affects precipitation - seasons - flora and fauna

4. Given below is a list of literary devices. Select three poem from the syllabus and highlight the presence of listed literary devices while explaining the literary devices.
  - Simile
  - Metaphor
  - Personification
  - Irony
  - Repitition
  - Hyperbole
  - Allusion
  - Apostrophe
  - Paradox
  - Onomatopoeia
5. Maintain a dictionary by reading an English newspaper and watch your favorite show. Take note of the new Words (atleast 5) that you see and hear and copy those words down in your notebook. Refer to the internet and learn what those words means.

# ST. ARVINDO ACADEMY

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SESSION-2024 – 25

## HOLIDAY HOMEWORK – CLASS – X

### ➔ SCIENCE -

1. Solve all questions from given assignment

\*Ch – Light (Phy)

\*Ch – Life Process (Bio)

\*Ch – Chemical reaction and equation (Chem)

2. Complete lab manual copy of given experiment.

3. Learn all concept from C.W. copy.

कक्षा दसवीं अवकाश कार्य

① खैर साजा - साजा डाब जोड़ि पाठ के आधार पर  
सैवन सिस्टर्स ( असम, मिजोरम, नागालैंड, अरुणाचल प्रदेश,  
मणिपुर, मेघालय एवं त्रिपुरा ) के बारे में जानकारी  
हासिल करें एवं सचित्र वर्णन करें।

### ➔ S.ST.

1. Write NCERT Question Answer of Civics - Ch- 1 Power Sharing, Geo – Ch – 1 Natural Resource & Soil in respective copies.

2. Learn all Question Answer given in all Ch – done in class.

3. Do Project Work in Stick file (topic given in class).

### Assignment for Summer Vacation

Class – X

1) Define the following term given below:

- |               |             |                  |                          |
|---------------|-------------|------------------|--------------------------|
| i. Title Bar  | ii. Ribbon  | iii. File Tab    | iv. Quick Access Toolbar |
| v. Status Bar | vi. Rulers  | vii. Scroll Bars | viii. Work Area          |
| ix. Task Bar  | x. Menu Bar |                  |                          |

2) Write down 50 full forms in your project file.

3) Write down 15 shortcuts key in your project file.

4) Define the following terms:

- |                 |                  |                   |                           |
|-----------------|------------------|-------------------|---------------------------|
| i. Database     | ii. Data         | iii. Information  | iv. Referential Integrity |
| v. Form         | vi. Query        | vii. Report       | viii. Primary Key         |
| ix. Foreign key | x. Candidate Key | xi. Alternate Key | xii. Composite Key        |
| xiii. DBMS      | xiv. Data Types  | xv. Table         |                           |

5) Create any 5 Tables and Insert at least 4 values in each table.

6) (i) Create a table students with the following fields.

<u>Column Name</u>	<u>Data Type</u>
Name	char(25)
RollNo	varchar(5)
Marks	int
Address	varchar(50)

(ii) Consider the following table SHOPPE and write the queries (a) and (b)

Table : SHOPPE

ID	SName	Area
S001	ABC Computeronics	CP
S002	All Infotech Media	GKII
S003	Tech Shoppe	CP
S004	Geeks Techno Soft	Nehru Place
S005	Hitech Tech Store	Nehru Place

(a) Write a query to display Id and SName of all shoppe located in Nehru Place.

(b) Write a command to insert a new record with the following values.

7)

Table : Teachers

<u>Number</u>	<u>Name</u>	<u>Age</u>	<u>Subject</u>	<u>Data of Join</u>	<u>Salary</u>	<u>Gender</u>
1	Jugal	34	Computer	10/01/2019	12000	M
2	Pratigya	31	Science	24/03/2019	20000	F
3	Sandeep	32	Maths	12/12/2019	30000	M
4	Sangeeta	35	Science	01/07/2020	40000	F
5	Satti	42	Maths	05/09/2020	25000	M
6	Shyam	50	Science	27/06/2021	30000	M
7	Shiv Om	44	Computer	25/02/2021	21000	M
8	Shalakra	33	Maths	31/07/2020	20000	F

Write SQL commands:

- To show all the information about IT teachers.
- To list the details of all the teachers who are getting salary between 20000 to 35000.
- To display the subject of all the teachers whose age is more than 40 years.
- To display the list of names of all the teachers in alphabetical order

**Note: Write this assignment in your project file (A4 size paper + Stick file).**

ST. ARVINDO ACADEMY.

Sub-Maths

Class - X

Holiday Homework. 2024-25

Ch-1 (Real Numbers).

1. Find HCF and LCM of the following using fundamental theorem of arithmetic.

(i) 625, 1125 and 2125 (ii) 448, 1008, and 168

2. Write the condition to be satisfied by  $q$  so that a rational number  $\frac{p}{q}$  has a terminating decimal expansion.

3. If HCF of 65 and 117 is expressible in the form  $65n - 117$ , then find the value of  $n$ .

4. If least prime factor of  $p$  is 3 and least prime factor of  $q$  is 5, then what is the prime factor of  $(p+q)$ ?

5. Check whether  $(15)^n$ ,  $7^n$ ,  $6^n$  can end with digit 0 for any  $n \in \mathbb{N}$ .

6. Explain whether  $3 \times 12 \times 101 + 4$  is a prime number or a composite number.

7. Given that  $\text{HCF}(306, 1314) = 18$  find  $\text{LCM}(306, 1314)$ .

8. Prove that the following are irrational numbers.

(a)  $\sqrt{2}$  (b)  $\sqrt{3}$  (c)  $\sqrt{5}$  (d)  $7+2\sqrt{3}$  (e)  $4-3\sqrt{5}$

(f)  $\frac{2+\sqrt{3}}{5}$  (g)  $\sqrt{2+\sqrt{5}}$ .

(9) Write whether  $\frac{2\sqrt{45} + 3\sqrt{20}}{2\sqrt{5}}$ , ~~is~~ or

Simplification gives a rational or an irrational number.

(10) Three bells toll at intervals of 9, 12, 15 minutes respectively. If they start tolling together, after what time will they next toll together?

### Ch-2 polynomials

(1) Find the zeroes of the quadratic polynomial (i)  $\sqrt{3}x^2 - 8x + 4\sqrt{3}$  (ii)  $x^2 - 2x$ .

(2) If the zeroes of the polynomial  $x^2 + px + q$  are double in value to the zeroes of  $2x^2 - 5x - 3$ , find the value of  $p$  and  $q$ .

(3) If  $\alpha$  and  $\beta$  are the zeroes of  $x^2 - (k-6)x + 2(2k-1)$  find the value of  $k$  if  $\alpha + \beta = \frac{1}{2}\alpha\beta$ .

(4) Find the zeroes of the following polynomial and verify the relationship between the zeroes and the coefficients.

(i)  $6x^2 - 3 - 7x$  (ii)  $x^2 - 2$  (iii)  $\sqrt{3}x^2 - 8x + 4\sqrt{3}$

(5) If  $\alpha$  and  $\beta$  are the zeroes of the polynomial  $f(x) = x^2 + x - 2$ , find the value of (i)  $\frac{1}{\alpha} - \frac{1}{\beta}$ , (ii)  $\frac{1}{\alpha} + \frac{1}{\beta}$ , (iii)  $\frac{\alpha}{\beta} + \frac{\beta}{\alpha}$ .

(6) If  $\alpha$  and  $\beta$  are the zeroes of the polynomial  $2x^2 - 4x + 5$ , find the value of

(i)  $\alpha^2 + \beta^2$  (ii)  $\frac{1}{\alpha} + \frac{1}{\beta}$  (iii)  $(\alpha - \beta)^2$

(iv)  $\frac{1}{\alpha^2} + \frac{1}{\beta^2}$  (v)  $\alpha^3 + \beta^3$

(7) If one zero of the quadratic polynomial  $f(x) = 4x^2 - 8Kx + 8x - 9$  is negative of the other, then find the zeroes of  $Kx^2 + 3Kx + 2$ .

(8) If  $\alpha$  and  $\beta$  are zeroes of the quadratic polynomial  $4x^2 + 4x + 1$ , then form a quadratic polynomial whose zeroes are  $2\alpha$  and  $2\beta$ .

(9) If the product of the zeroes of the polynomial  $ax^2 - 6x - 6$  is 4, then find the value of  $a$ . Also find the sum of zeroes of the polynomial.



(10) If  $\alpha$  and  $\beta$  are the zeroes of the polynomial  $g(x) = x^2 - px + q$ , then prove that

$$\frac{\alpha^2}{\beta^2} + \frac{\beta^2}{\alpha^2} = \frac{p^4}{q^2} - \frac{4p^2}{q} + 2$$

### Ch-3 (pair of linear equation in two variables)

(1) Solve the following pair of linear equation.

(i)  $px + qy = p - q$   
 $qx - py = p + q$

(ii)  $ax + by = c$   
 $bx + ay = 1 + c$

(iii)  $\frac{x}{a} - \frac{y}{b} = 0$   
 $ax + by = a^2 + b^2$

(iv)  $(a-b)x + (a+b)y = a^2 - 2ab - b^2$   
 $(a+b)(x+y) = a^2 + b^2$

(v)  $152x - 378y = -24$   
 $-378x + 152y = -604$

(2) For what value of  $k$ , the following system of equations  $2x + ky = 1$   $3x - 5y = 7$  has (i) a unique solution (ii) no solution.

(3) Find the value of  $a$  and  $b$  for which the system of eqns has infinite many solutions.  
 $2x - 3y = 7$ ,  $(a+b)x - (a+b-3)y = 4a+b$

Practical Copy → BR INTERNATIONAL

Class - X

Maths practical

Do Activity no → 1, 2, 3, 4, 5, 7, 10, 11,

12, 13, 14, 15, 16, 17, and 24.

## ENGLISH

## HOLIDAY HOMEWORK

- Write one letter on each of the following categories:
  - a) Complaint Letter (Issue and Product)
  - b) Placing Order
  - c) Inquiry Letter
  - d) Letter to the Editor
- Write catchy Articles in 180-200 words, on any two of the following topics:
  - a) Stress Management during preparation of exams
  - b) Skill Based Education
  - c) Social Media: Effects and Ill Effects
  - d) Mushrooming Coaching Centres : Boon or Bane
  - e) The Deteriorating Values in Teens
- Create interesting stories in 200-250 words, each on any two of the following themes:
  - a) Comedy
  - b) Tragedy
  - c) Courage and Heroism
  - d) Prejudice
  - e) Good vs. Evil
- Make catchy posters on A3 size sheet, on the following topics:
  - a) World Environment Day (Roll no. 1-8)
  - b) International Yoga Day (Roll no. 9-16)
  - c) Child Abuse (Roll no. 17-24)
  - d) World Population Day (Roll no. 25-30)
  - e) World Tobacco Day (Roll no. 30 onwards)
- Practice any two, each of Factual and Discursive passages from Together With- Pullout Worksheets.
- Revise the syllabus covered till date.

# ST. ARVINDO ACADEMY

AFFILIATED TO C.B.S.E.(DELHI) 10+2

ARGORA, RANCHI

SESSION-2024 – 25

## HOLIDAY HOMEWORK – CLASS – XI

### STREAM – SCIENCE

#### ➡ Maths -

1. Solve all questions from given assignment

\*Ch – 1. Sets

\*Ch – 2. Relation.

2. Complete practical copy of given activity.

3. Learn all concepts from C.W. copy.

#### ➡ Physics -

1. Solve all questions from given assignment

\*Ch – 2. Units and Measurement.

2. Complete Lab manual copy of given experiment.

3. Learn all concepts from C.W. copy.

#### ➡ Physical Education -

1. Prepare notes in copy.

2. Draw any one game court with full measurement and explain it. (on A4 size paper in Stick File)

3. Prepare a practical no. 1, 2 and 3.

#### ➡ Chemistry -

1. Learn Ch – 1 from book and notes.

2. Project work -

\*Checking the bacterial contamination in drinking water by testing sulphide ion.

\*Study of the methods of purification of water.

\*Testing the hardness, presence of iron, Fluoride, Chloride, etc. Depending upon the regional variation in drinking water and study of causes of presence of these ions above permissible limit (if any).

\*Investigation of the foaming capacity of different washing soaps and the effect of addition of sodium carbonate on it.

3. Write in practical note book (B.. International)-

\*Cutting glass tube

\*Bending a glass tube

#### ➡ Biology -

1. Do Question Answer of chapter 1, 2.

2. Do practical work.

### STREAM – COMMERCE

#### ➡ Economics -

1. Complete notes on Statistics Ch – 1, Ch – 2 and learn it.

2. Make Project on following topic: "Consumer's Equilibrium and Demand".

➔ Accountancy -

1. Comprehensive Project –

NOTE : FOR PROJECT WORK CHECK YOUR WHATSAPP GROUP.

➔ Business Studies -

1. Project Work –

NOTE : FOR PROJECT WORK CHECK YOUR WHATSAPP GROUP.

Topic – (i) Public Company (ii) Banking

ENGLISH

HOLIDAY HOMEWORK

- Write one letter on each of the following categories:
  - a) Complaint Letter (Issue and Product)
  - b) Placing Order
  - c) Inquiry Letter
  - d) Letter to the Editor
- Write catchy Articles in 180-200 words, on any two of the following topics:
  - a) Stress Management during preparation of exams
  - b) Skill Based Education
  - c) Social Media: Effects and Ill Effects
  - d) Mushrooming Coaching Centres : Boon or Bane
  - e) The Deteriorating Values in Teens
- Create interesting stories in 200-250 words, each on any two of the following themes:
  - a) Comedy
  - b) Tragedy
  - c) Courage and Heroism
  - d) Prejudice
  - e) Good vs. Evil
- Make catchy posters on A3 size sheet, on the following topics:
  - a) World Environment Day (Roll no. 1-8)
  - b) International Yoga Day (Roll no. 9-16)
  - c) Child Abuse (Roll no. 17-24)
  - d) World Population Day (Roll no. 25-30)
  - e) World Tobacco Day (Roll no. 30 onwards)
- Practice any two, each of Factual and Discursive passages from Together With- Pullout Worksheets.
- Revise the syllabus covered till date.

# ST. ARVINDO ACADEMY

AFFILIATED TO C.B.S.E.(DELHI) 10+2

ARGORA, RANCHI

SESSION-2024 – 25

## HOLIDAY HOMEWORK – CLASS – XII

### STREAM – SCIENCE

#### ➡ CHEMISTRY

1. Project (do in project sheet)
  - \*Study of the presence of oxalate ions in guava fruit at different stages of ripening.
  - \*Study of quantity of casein present in different samples of milk.
  - \*Preparation of soybean milk and its comparison with the natural milk with respect to curd formation, effect of temperatures etc.
  - \*Study of digestion of starch by salivary amylase and effect of pH and temperature on it.
2. Do in practical note book (B.R. International) -
  - (a) preparation of double salt of Potash Alum.
  - (b) Determination of concentration / morality of  $\text{KMnO}_4$  solution by titrating it against a standard solution of – Oxalic acid.
3. Study and learn the chapter, till taught in the class.
4. Solve the following numerical of In text questions (page no. – 39), and page no. – 45.

#### ➡ Maths -

1. Solve all questions from given assignment
  - \*Ch – 1. Relations and Functions.
  - \*Ch – 2. Inverse Trigonometric Functions.
  - \*Ch – 3. Matrices.
2. Complete practical copy of given activity.
3. Learn all concepts from C.W. copy.

#### ➡ Physics -

1. Solve all questions from given assignment
  - \*Ch – 1. Electric charges and fields.
  - \*Ch – 2. Electrostatic potential and Capacitance.
  - \*Ch – 3. Current Electricity.
2. Complete Lab manual copy of given experiment.
3. Complete activity copy of given activity.
4. Learn all concepts and practice all derivation from C.W. copy.

#### ➡ Physical Education -

1. Prepare notes in copy.
2. Draw any 5 yoga asana picture with advantages procedure contradiction.  
(On A4 size paper in stick file)
3. Prepare a practical no. 1, 2 and 3.

#### ➡ Biology -

Do the given assignment: Ch – 2, 3, 4. Do practical work from syllabus.

## STREAM – COMMERCE

### ➡ Economics -

1. Complete NCERT Question Answer of Indian Economy Ch- 1 and Ch – 2.
2. Do calculation of National Income by
  - (i) Income Method
  - (ii) Value – Added Method
  - (iii) Expenditure MethodNote : Two (2) Numerical by each method.
3. Do Project Work in Stick file (topic given in class).

### ➡ Accountancy -

1. Project Work Topic –
  - (i) Financial Statement Analysis of Hero Motocorp Ltd.NOTE : FOR PROJECT WORK CHECK YOUR WHATSAPP GROUP.
2. Practical Question – Ch – 1 & 2 (D.K.Goel)

### ➡ Business Studies -

1. Project Work any one Topic -
  - (i) Principles of Management
  - (ii) Elements of Business Environment
  - (iii) Marketing
  - (iv) Stock ExchangeNOTE : FOR PROJECT WORK CHECK YOUR WHATSAPP GROUP.

## For Computer Science Students Only.

### Assignment for Summer Vacation

Class – XII

1. Define the following terms:

- |                |                   |                    |                     |
|----------------|-------------------|--------------------|---------------------|
| i. Database    | ii. Data          | iii. Information   | iv. Primary Key     |
| v. Foreign key | vi. Candidate Key | vii. Alternate Key | viii. Composite Key |
| ix. DBMS       | x. Data Types     |                    |                     |

2. (i) Create a table students with the following fields.

<u>Column Name</u>	<u>Data Type</u>
Name	char(25)
RollNo	varchar(5)
Marks	int
Address	varchar(50)

(ii) Consider the following table SHOPPE and write the queries (a) and (b)

Table : SHOPPE

ID	SName	Area
S001	ABC Computeronics	CP
S002	All Infotech Media	GKII
S003	Tech Shoppe	CP
S004	Geeks Techno Soft	Nehru Place
S005	Hitech Tech Store	Nehru Place

- (a) Write a query to display Id and SName of all shoppe located in Nehru Place.  
(b) Write a command to insert a new record with the following values.

3.

Table : Teachers

<u>Number</u>	<u>Name</u>	<u>Age</u>	<u>Subject</u>	<u>Data of Join</u>	<u>Salary</u>	<u>Gender</u>
1	Jugal	34	Computer	10/01/2019	12000	M
2	Pratigya	31	Science	24/03/2019	20000	F
3	Sandeep	36	Maths	12/12/2019	30000	M
4	Sangeeta	30	Science	01/07/2020	40000	F
5	Satti	42	Maths	05/09/2020	25000	M

Write SQL commands:

- To show all the information about IT teachers.
- To list the details of all the teachers who are getting salary between 20000 to 35000.
- To display the subject of all the teachers whose age is more than 35 years.
- To display the list of names of all the teachers in alphabetical order

4. Write a python program to input a welcome message and display it.

5. Write a python program to input two numbers and display the larger/smaller number Python Program.

6. Write a python program to input three numbers and display the larger/smaller number Python Program.

7. Determine whether a number is a perfect number in python.

The first **perfect number** is 6, because 1, 2, and 3 are its proper positive divisors, and  $1 + 2 + 3 = 6$ .

8. Determine whether a number is an Armstrong number in python

In case of an **Armstrong number** of 3 digits, the sum of cubes of each digit is equal to the number itself.

9. Determine whether a number is a palindrome number in python

For a **number** to be a **Palindrome**, the **number** must be the same when reversed.

10. Determine whether a number is a prime or composite number in python.

11. Write a python program to find a Fibonacci series.