

**BCM SCHOOL**  
**(A Senior Secondary School affiliated to CBSE, Delhi)**  
**SEC.32-A, CHD. ROAD, LUDHIANA**  
**Holidays Homework (2022-23)**  
**(Class XII- Arts)**



**ENGLISH**

**General Instructions-**

1. All questions are compulsory.
2. Do your work in English classwork notebook.
3. Do your work legibly

**Question.1. Read the extracts given below and answer the questions that follow:**

**( i) “If we were not so single-minded  
about keeping our lives moving,  
and for once could do nothing,  
perhaps a huge silence  
might interrupt this sadness  
of never understanding ourselves  
and of threatening ourselves with death**

- (a) Whom does „we“ refer to in the above lines?
- (b) Why does the poet want us to „do nothing“ for once?
- (c) What is the sadness“ that the poet refers to in the poem?
- (d) How can a huge silence do good to us?

**(II) looked but soon  
put that thought away, and  
looked out at young  
trees sprinting, the merry children spilling  
out of their homes**

- (a) What did the narrator realize? How did she feel?
  - (b) What did she do then?
  - (c) What did she see outside?
  - (d) Find words from the passage which mean (i) Running fast (ii) Happy
- (iii) I was amazed to see how well I understood it. All he said seemed so easy, so easy! I think too, that I had never explained everything with so much patience. It seemed almost as if the poor man wanted to give us all he knew before going away, and to put it all into our heads at one stroke.**

- (a) Who was the speaker and why was he amazed?
- (b) How did the teacher teach?
- © How did the speaker feel about the teaching?
- ( d) Who is the poor man in these lines?

(iv) "It is his karam, his destiny," says Mukesh's grandmother, who has watched her husband go blind with the dust from polishing the glass of bangles. "Can a

God-given lineage ever be broken?" she implies. Born in the caste of bangle-makers, they have seen nothing but bangles—in the house, in the yard, in every other house, every other yard, every other street in Firozabad. Spirals of bangles—sunny gold, paddy green, royal blue, pink, purple, every colour born out of the seven colours of the rainbow—lie in mounds in unkempt yards, are piled on four-wheeled handcarts, pushed by the youngmen along the narrow lanes of the shanty town.

- (a) How do you view the grandmother of Mukesh?
- (b) What made her husband blind?
- (c) How do the bangle makers bear colours?
- (d) Where one can see the spirals of bangles?

**Q 2 Answer the following questions in about 30-40 words each:**

- (a) The order from Berlin aroused a particular zeal in the school. Comment.
- (b) What idea does Pablo Neruda want to convey in his poem „Keeping Quiet“?
- (c) What impression do you form about Dr Sadao as a man and as a surgeon on your reading the chapter The Enemy“?
- (d) In what sense is garbage gold to the ragpickers?
- (e) What will now happen to the astrologer? Do you think the prophecy was indisputably disapproved?
- (f) What was the final step taken by the servants of Sadao's household? How did Hanareact to it?

**Q 3 Answer the following questions in about 120-150 words:**

- (i) How would you describe the behaviour of the Maharaja's minions towards him? Do you find them truly sincere towards him or are they driven by fear when they obey him? Do we find a similarity in today's political order?
- (ii) Our language is part of our culture and we are proud of it. Describe how regretful Mr. Hamel and the village elders are for having neglected their native language.

**Q 4 Write a speech in 150-200 words on the topic, "A student must know how to manage his time." It is to be delivered in the morning assembly. You are Karan/ Karuna, Head Boy/ Head girl of the school.**

**Q 5 Last week as you were coming back from school you happened to see a huge plastic bag full of leftovers of food being flung into the middle of the road from a speeding car. You wondered how people can be so devoid of civic sense. Write an article in 125-150 words on why we lack civic sense and how civic sense can be inculcated in children at a very young age. You are Shiva/Shamini.**

## **ECONOMICS**

**I Make a Project File on any one of the topics discussed in class.**

**II Answer the following questions in 50-60 words.**

Q – 1 How do you differentiate between Capital Goods, Producer Goods and Capital Stock.

Q – 2 By giving example explain the Circular Flow of Income.

Q – 3 Out of Gross and Net Investment, which investment will have the positive affect on the economy and how?

Q – 4 What do you mean by Production Boundary? Explain it through example.

Q-5 GDP as an index of welfare may understate or overstate welfare. Explain the statement using examples of a positive and a negative externality.

Q-6 What is the difference between domestic product and national product?

Q-7 State under what conditions the following statement can be true:

- a) Domestic income is greater than national income
- b) Value of output is equal to value added

Q-8 Giving reasons explain the treatment of following while estimating national income:

- a) Subsidy on output produced.
- b) Contribution to provident fund by employee

Q-9 a) Define transfer income. Give an example. Why it is not included in national income?

- b) Define intermediate consumption and explain it with an example. How is it different from final consumption?

**Q –10 Read the following news report and answer Ques 10 (A)-10 (D) on the basis of the same:**

Turning to growth in India, the implied real GDP growth of 4.7 per cent for 2019-20 in the second advance estimates of the National Statistics Office, released in February 2020, within the annual estimate of 5 per cent for the year as a whole is now at risk from the pandemic's impact on the economy. As regards the outlook for 2020-21, apart from the continuing resilience of agriculture and allied activities, most other sectors of the economy will be adversely impacted by the pandemic, depending upon, I repeat, its intensity, spread and duration. If COVID-19 is prolonged and supply chain disruptions get accentuated, the global slowdown could deepen, with adverse implications for India. The slump in international crude prices could, however, provide some relief in the form of terms of trade gains. Downside risks to growth arise from the spread of COVID-19 and prolonged lockdowns. Upside growth impulses are expected to emanate from monetary, fiscal and other policy measures and the early containment of COVID-19.

Q10 (A). Risk from the pandemic's impact on the economy RBI is likely to increase ..... (Choose the correct alternative)

- (a) Cash Reserve Ratio
- (b) Rationing of Credit
- (c) Both (a) and (b)
- (d) None of these

Q10 (B). The continuing resilience of agriculture and allied activities will lead to ..... (Choose the correct alternative)

- (a) rise in aggregate supply
- (b) fall in aggregate supply
- (c) no change in aggregate supply
- (d) fall in general price level

Q10 (C). The ..... is vested with the responsibility of conducting monetary policy.

Q10 (D). The ..... is vested with the responsibility of conducting fiscal policy.

## POLITICAL SCIENCE

- 1) Read newspaper daily and note the important political happenings.
- 2) Find out the causes and consequences of recent Russia-Ukraine crisis. In your opinion, what should be the next move of Ukraine?
- 3) Collect and write some points on the following-
  - Middle East Crisis
  - Gulf Wars
  - CIS and 21st Century
  - Arab Spring and the process of democratization
- 4) Describe the following countries and regional groups as new centres of power-
  - India
  - Israel
  - Russia
  - China
  - BRICS
  - ASEAN
  - SAARC
- 5) Keep a close watch on India's changing relations with-USA, Russia, China, Pakistan and Bangladesh and include the points on recent development in their relations.
- 6) Make a project file on any topic given in the syllabus. Kindly include one Art Integrated Activity related to your topic.  
➤ Groups and topics are already discussed in class

## MATHEMATICS

1. Express the matrix  $\begin{bmatrix} 2 & -2 & -4 \\ -1 & 3 & 4 \\ 1 & -2 & -3 \end{bmatrix}$  as the sum of symmetric and skew symmetric matrix.
2. If  $A = \begin{bmatrix} \cos \alpha + \sin \alpha & \sqrt{2} \sin \alpha \\ -\sqrt{2} \sin \alpha & \cos \alpha - \sin \alpha \end{bmatrix}$  prove that  
$$A^n = \begin{bmatrix} \cos n\alpha + \sin n\alpha & \sqrt{2} \sin n\alpha \\ -\sqrt{2} \sin n\alpha & \cos n\alpha - \sin n\alpha \end{bmatrix} \forall n \in N$$
3. Ishan wants to donate rectangular plot of land for a school in his village. When he was asked to give dimension of the plot, he told that if its length is decreased by 50 m and breadth is increased by 50 m, then its area will remain same, but length is decreased by 10m and breadth is decreased by 20m, then its area will decreased by  $5300m^2$ . Using matrix find the dimension of the plot.
4. A trust invested some money in two types of bonds. The first bond pays 10% interest and the second bond pays 20% interest. The trust received ₹ 2800As interest. However, if trust had interchanged money in bonds, they would have got ₹ 100 less as interest, using matrix method, find the amount invested by the trust.
  5. The monthly income of Aryan and Babban are in ratio 3:4 and their monthly expenditures are in the ratio 5:7. If each saves ₹ 15000 per month, find their monthly incomes using matrix method.
  6. 10 student were selected from a school on the basis of values for giving awards and were divided into three groups. The first group comprises hard workers, the second group has honest and law abiding students and the third group contains vigilant and obedient students. Double the number of students of the first group added to the number in the second group gives 13, while combined strength of first and second group is four times that of the third group. Using matrix method find the number of students in each group.
  7. Two cricket teams honored their players for three values, excellent batting, to the point bowling and unparallel fielding by giving ₹ x, ₹ y and ₹ z per players respectively. The first team paid respectively 2,2, and 1 player for the above values with a total prize money of ₹ 11 lakhs, while the second team paid respectively 1,2 and 2 players for these values with a amounts to ₹ 9 lakhs. If the total award money for one person each for these values amount to ₹ 6 lakhs, then express the above situation as a matrix equation and find award money per person for each value.

8. The sum of three numbers is 6. If we multiply third number by 3 and add second number to it, we get 11. By adding first and third numbers, we get double of the second number. Represent it algebraically and find the numbers using matrix method.

9. For the matrix  $A = \begin{bmatrix} 2 & -1 & 1 \\ -1 & 2 & -1 \\ 1 & -1 & 2 \end{bmatrix}$  show that  $A^2 - 5A + 4I = o$  hence find  $A^{-1}$

10. Use the product  $A = \begin{bmatrix} 1 & -1 & 2 \\ 0 & 2 & -3 \\ 3 & -2 & 4 \end{bmatrix} \begin{bmatrix} -2 & 0 & 1 \\ 9 & 2 & -3 \\ 6 & 1 & -2 \end{bmatrix}$  to solve the system of equations  $x - y + 2z = 1$ ,  $2y - 3z = 1$ ,  $3x - 2y + 4z = 2$ .

11. If  $A = \begin{bmatrix} 1 & -1 & 0 \\ 2 & 3 & 4 \\ 0 & 1 & 2 \end{bmatrix}$  and  $B = \begin{bmatrix} 2 & 2 & -4 \\ -4 & 2 & -4 \\ 2 & -1 & 5 \end{bmatrix}$  find  $AB$ . use this to solve the following system of equations :

$$x - y = 3, 2x + 3y + 4z = 17, y + 2z = 7$$

12. If  $A = \begin{bmatrix} 1 & 2 & 0 \\ -2 & -1 & -2 \\ 0 & -1 & 1 \end{bmatrix}$  find  $A^{-1}$ . Using it solve the equations  $x - 2y = 10$ ,  $2x - y - z = 8$ ,  $-2y + z = 7$

13. Find  $dy/dx$  when  $y = \sin^{-1} \left( \frac{3 \sin x + 4 \cos x}{5} \right)$ .

14. Find  $dy/dx$  when  $y = \sin^{-1} (x\sqrt{1-x} - \sqrt{x}\sqrt{1-x^2})$

15. if  $\sqrt{1-x^2} + \sqrt{1-y^2} = a(x-y)$  Prove that  $\frac{dy}{dx} = \sqrt{\frac{1-y^2}{1-x^2}}$

16. If  $y = \sqrt{x}^{\sqrt{x}^{\sqrt{x}^{\sqrt{x}^{\dots}}}}$  show that  $\frac{dy}{dx} = \frac{y}{2y-x}$

17. Differentiate  $\tan^{-1} \left( \frac{\sqrt{1+x^2}-1}{x} \right)$  with respect to  $\tan^{-1} x$ .

18. If  $x \in \left( \frac{1}{\sqrt{2}}, 1 \right)$  differentiate  $\tan^{-1} \left( \frac{\sqrt{1-x^2}}{x} \right)$  with respect to  $\cos^{-1} 2x\sqrt{1-x^2}$

19. . if  $\sqrt{1-x^6} + \sqrt{1-y^6} = a(x^3 - y^3)$  prove that  $\frac{dy}{dx} = \frac{x^2}{y^2} \sqrt{\frac{1-y^6}{1-x^6}}$  when  $-1 < x < 1$  and  $-1, y < 1$ .

20. if  $y = \log\{x + \sqrt{x^2 + a^2}\}$  prove that  $(x^2 + a^2) \frac{d^2y}{dx^2} + x \frac{dy}{dx} = 0$

21. If  $x = a \cos \theta + b \sin \theta$  and  $y = a \sin \theta - b \cos \theta$  prove that  $y^2 \frac{d^2y}{dx^2} - x \frac{dy}{dx} + y = 0$

22. If  $\sin y = x \cos(a+y)$  then show that  $\frac{dy}{dx} = \frac{\cos^2(a+y)}{\cos a}$

23. If  $y = \sqrt{\cos x + \sqrt{\cos x + \sqrt{\cos x + \dots}}}$  prove that  $(1-2y) \frac{dy}{dx} = \sin x$

24. differentiate  $x^{\sin^{-1} x}$  with respect to  $\sin^{-1} x$ .

25. If  $y = (x + \sqrt{1+x^2})^n$  then show that  $(1+x^2) \frac{d^2y}{dx^2} + x \frac{dy}{dx} = n^2 y = 0$

Activities :

- To demonstrate the function which is not one – one but is onto.
- To verify that the relation R in the set L of all lines in a plan, defined by  $R = \{ (l,m) : l \text{ perpendicular to } m \}$  is symmetric but neither reflexive nor transitive.
- To Draw the graph of  $\sin^{-1} x$  using graph of  $\sin x$  and demonstrate the concept of mirror reflection.
- To find the time When the area of rectangle given dimensions become maximum if the length is decreasing and breath is increasing at given rates.

## PSYCHOLOGY

1. Frame objective type questions from chapters 1 and 4 (minimum 25 questions from each chapter) and write in your notebook with their answers.
2. Answer all the questions given in the review exercise at the end of the chapters 1 and 4.
3. PROJECT WORK : Prepare a case profile of a person, who is suffering from a mental disorder or learning disability or who has excelled in areas like sports, academics, music etc.. Prepare the case profile as per the format given in the NCERT Textbook ( page no. 199). Make a beautiful cover page for your file as per the theme of your case.

NOTE: This case file will carry 5 marks in your practical exam. and you may be asked questions related to same in viva.

## PUNJABI

\* ਕੋਈ 20 ਅਖਾਣ ਵਰਤ ਕੇ ਇੱਕ ਵਰਗ ਪਹੇਲੀ ਤਿਆਰ ਕਰੋ।

\* ਹੇਠਾਂ ਦਿੱਤੇ ਗਏ ਵਿਸ਼ਿਆਂ ਵਿੱਚੋਂ ਕਿਸੇ ਇੱਕ ਵਿਸ਼ੇ ਤੇ ਪ੍ਰੋਜੈਕਟ ਤਿਆਰ ਕਰੋ:

ਪੰਜਾਬ ਦੀ ਖੁਰਾਕ, ਪੰਜਾਬ ਦੇ ਮੇਲੇ ਤੇ ਤਿਉਹਾਰ, ਬਜ਼ੁਰਗਾਂ ਦਾ ਘਟ ਰਿਹਾ ਸਤਿਕਾਰ, (ਕਾਰਨ ਅਤੇ ਸੁਝਾਅ)  
ਕੋਰੋਨਾ ਕਾਲ ਸਮੇਂ ਪੇਂਡੂ ਤੇ ਸ਼ਹਿਰੀ ਜੀਵਨ, ਕੋਰੋਨਾ ਕਾਲ ਸਮੇਂ ਪ੍ਰਦੂਸ਼ਣ ਦੀ ਸਥਿਤੀ, ਵਿਦੇਸ਼ਾਂ ਵਿੱਚ ਜਾਣ ਦੀ ਹੋੜ,  
ਮਹਾਂਪੁਰਸ਼ (ਜੀਵਨ ਤੇ ਉਪਦੇਸ਼),

ਵਿਗਿਆਨੀ( ਸਮਾਜ ਨੂੰ ਦੇਣ),

ਸੋਸ਼ਲ ਮੀਡੀਆ ਵਧਦਾ ਪ੍ਰਭਾਵ ,

ਲੇਖਕ (ਸਾਹਿਤਕ ਦੇਣ)

\* ਅਪ੍ਰੈਲ ਅਤੇ ਮਈ ਵਿੱਚ ਕੀਤੇ ਗਏ ਸਿਲੇਬਸ ਦੀ ਦੁਹਰਾਈ।

## HINDI

1. निम्नलिखित दिए गए तीन शीर्षकों पर लगभग 150-200 शब्दों में रचनात्मक लेख लिखिए :  
(क) घर बैठकर दफ़्तर का काम  
(ख) मेले में उमड़ती भीड़  
(ग) सुबह की सैर का आनंद
2. (क) आप सुधा/सुहव हैं। आपका बचत खाता, स्टेट बैंक ऑफ़ इंडिया, क.ख.ग. नगर में है। आप नेट बैंकिंग सेवा का लाभ प्राप्त करना चाहती/चाहते हैं। इस विषय में आवश्यक जानकारी प्राप्त करने हेतु बैंक प्रबंधक को पत्र लिखिए।  
(ख) आप लता/ललित हैं। आपके पैतृक गाँव में चिकित्सा सुविधाओं का अभाव है। समाचार पत्र 'अपना पेपर' के सम्पादक को पत्र लिखकर गाँवों में चिकित्सा सुविधाओं की कमी का उल्लेख कीजिए और कुछ गाँवों के बीच प्राथमिक चिकित्सा सुविधा वाले अस्पताल खोलने का सुझाव दीजिए, जहाँ आस-पास के ग्रामीण भी लाभान्वित हो सकें।
3. (क) कहानी को नाटक में किस प्रकार रूपांतरित किया जा सकता है ? आधार बिन्दुओं का उल्लेख कीजिए।  
(ख) कहानी के नाट्य रूपांतरण में किस प्रकार की समस्याओं का सामना करना पड़ता है ?
4. (क) रेडियो नाटक के लिए पात्रों की संख्या सीमित क्यों रखनी चाहिए ?  
(ख) रेडियो नाटक की अवधि आमतौर पर 15-30 मिनट तक की ही क्यों रखी जाती है ?
5. (क) फीचर क्या है ? फीचर लेखन की शैली का उल्लेख कीजिए।  
(ख) विशेष रिपोर्ट किसे कहा जाता है? यह कैसे तैयार की जाती है ?
6. (क) विशेष लेखन की भाषा-शैली सामान्य लेखन से अलग क्यों होती है ?  
(ख) पत्रकारिता जगत में साक्षात्कार का क्या महत्त्व है ?
7. परियोजना कार्य की एक फाइल तैयार करें

## **FASHION STUDIES**

1. Frame objective type questions from chapters 1 and 4 (minimum 25 questions from each chapter) and write in your notebook with their answers.
2. Answer all the questions given in the review exercise at the end of the chapters 1 and 4.
3. PROJECT WORK : Prepare a case profile of a person, who is suffering from a mental disorder or learning disability or who has excelled in areas like sports, academics, music etc.. Prepare the case profile as per the format given in the NCERT Textbook ( page no. 199). Make a beautiful cover page for your file as per the theme of your case.

NOTE: This case file will carry 5 marks in your practical exam. and you may be asked questions related to same in viva.

## **PHYSICAL EDUCATION**

- Physical Fitness test administration :SAI Khelo India Test (Age group 9-18yrs / class 4-12: BMI, 50 mts speed test, 600 mt run/walk, sit & reach flexibility test, strength test (Abdominal partial curl up, push ups for boys, modified push ups for girls)
- Procedure for Asanas ,Benefits & Contraindications for any 2 Asanas for each Lifestyle Diseases (obesity, diabetes, asthma, hypertension).
- Labelled diagram of VOLLEYBALL field and equipment, also mention its rules terminologies and skills in detail.
  - ❖ No pasting of pictures is allowed.
  - ❖ Only Rachna Sagar publication of physical education practical file should be used.
  - ❖ Practical files should be covered neatly and decorated with sports pictures.

## **HOME SCIENCE**

Preparation of any one toy for children using locally available and indigenous material.

- Develop a leaflet/pamphlet for consumer education and protection on any one of the following:
  - A) Consumer Protection Act
  - B) Consumer Responsibilities
  - C) Consumer Organization
  - D) Consumer Problems
- Make the project already assigned.
- Prepare samples using applied textile design technique:
  - Tie & Dye (4 samples)
  - Block printing (1 sample)
- Read all the chapters and write 20 one mark questions from each chapter.

## **I.P.**

### **WEEK 1**

Q. Following questions are to be done in IP register/A4 sheets.

1. Write the output of the queries (a) to (d) based on the table, Furniture given below:

**Table: FURNITURE**

| FID  | NAME            | DATEOFPURCHASE | COST  | DISCOUNT |
|------|-----------------|----------------|-------|----------|
| B001 | Double Bed      | 03-Jan-2018    | 45000 | 10       |
| T010 | Dining Table    | 10-Mar-2020    | 51000 | 5        |
| B004 | Single Bed      | 19-Jul-2021    | 22000 | 0        |
| C003 | Long Back Chair | 30-Dec-2016    | 12000 | 3        |
| T006 | Console Table   | 17-Nov-2019    | 15000 | 12       |
| B006 | Bunk Bed        | 01-Jan-2021    | 28000 | 14       |

- (a) select sum(discount) from furniture where cost>15000;
- (b) select max(dateofpurchase)from furniture;
- (c) select \* from furniture where discount>5 and fid like "t%";
- (d) select dateofpurchase from furniture where name in("dining table", "consoletable");

2. Predict the output of the following queries:

- i. select instr('exams@cbse.nic.in','');
- ii. select substr('exams@cbse.nic.in',7,4);
- iii. select left('exams@cbse.nic.in',5);

3. Reena is working with functions of MySQL. Explain her following:

- i. What is the purpose of now () function?
- ii. How many parameters does it accept?
- iii. What is the general format of its return type?

4. Ms.Saumya is working on a MySQL table named 'Hotel' having following structure:

| Field     | Type        | Null | Key | Default | Extra |
|-----------|-------------|------|-----|---------|-------|
| user_id   | varchar(20) | YES  |     | NULL    |       |
| name      | varchar(20) | YES  |     | NULL    |       |
| city      | varchar(20) | YES  |     | NULL    |       |
| mobile_no | varchar(11) | YES  |     | NULL    |       |

She need to perform following task on the table:

- i. To fetch last 2 characters from the user\_id column.
- ii. To display the values of name column in lower case.
- iii. To display 3 characters from 3rd place from the column city.

Suggest suitable SQL function for the same. Also write the query to achieve the desired task.

## WEEK 2

Q. Following questions are to be done in IP register/A4 sheets.

a) Write about all following Python Sequences and their functionality by stating one example of each.

1. Strings, 2. Tuples, 3. Lists, 4. Dictionaries b) All examples are to be tried on the system as well and saved properly.

## WEEK 3

Q. Create a calculator using Python. Prepare a proper documentation of all the codes and soft copy of the same needs to be submitted.

## WEEK 4

Q. Create a **video assignment** on Societal Impacts and Data Protection using PowerPoint



# COMPUTER SCIENCE

## WEEK 1

- ♣ Following questions are to be done in CS register/A4 sheets.

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|------|-----------------|----------------|-------|----------|
| B001 | Double Bed      | 03-Jan-2018    | 45000 | 10       |
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- i. What is the purpose of now () function?
- ii. How many parameters does it accept?
- iii. What is the general format of its return type?

4. Carefully observe the following table named 'stock':

**Table: stock**

| Pid | PName       | Category | Qty | Price |
|-----|-------------|----------|-----|-------|
| 1   | Keyboard    | IO       | 15  | 450   |
| 2   | Mouse       | IO       | 10  | 350   |
| 3   | Wifi-router | NW       | 5   | 2600  |
| 4   | Switch      | NW       | 3   | 3000  |
| 5   | Monitor     | O        | 10  | 4500  |
| 6   | Printer     | O        | 4   | 17000 |

Write SQL queries for the following:

- (a) To display the records in decreasing order of price.
- (b) To display category and category wise total quantities of products.
- (c) To display the category and its average price.
- (d) To display category and category wise highest price of the products.

## WEEK 2

- ♣ Following questions are to be done in CS register/A4 sheets Prepare a proper documentation of all the codes and soft copy of the same needs to be submitted.

1. Write a Python program to sum all the items in a list.
2. Write a Python program to get the largest number from a list.

3. Write a Python program to count the number of strings where the string length is 2 or more and the first and last character are same from a given list of strings. Sample List : ['abc', 'xyz', 'aba', '1221']
4. Write a Python program to remove duplicates from a list.
5. Write a Python program to generate and print a list of first and last 5 elements where the values are square of numbers between 1 and 30 (both included).

### WEEK 3

- ♣ **Following questions are to be done in CS register/A4 sheets Prepare a proper documentation of all the codes and soft copy of the same needs to be submitted.**

Q. A blood bank maintains data file “Blood.dat” that contains following information for every donor: donor name, donor date of birth, donor address, donor phone number and donor blood group. Write a complete program to do the following:

- a) Create a file of the donor
- b) Append a record in the file
- c) Display the records
- d) Given the blood group display name, address of the donor
- e) Modify the existing information of the donor

### WEEK 4

Q. Create a **video assignment** on Network topologies and Network types using PowerPoint

### **FINE ARTS ( PAINTING)**

Prepare Practical Sheets:-

1. Compositions Sheets - 2
2. Indian Folk Art Sheets - 2
3. Landscapes Sheets - 2
4. Still Life Sheets – 2 (copied)
5. Theory: - Complete your all assignments and revise all the questions.
  - Learn UNIT - 1 and 2.
  - Decorate your Fine Arts Practical File cover.

### **MUSIC**

1. Write short notes on Gamak, Gram, Murchana, Meend, Khatka, Murki, Kan
- 2) Write the names of all the chapters of Sangeet Ratnakar and throw light on the contents of any three of them.
- 3) Write the detailed description of Jhap taal and Rupak Taal along with its tigan and chaugun.
- 4) Write a notation of drut khayal and along with its Two Alap and Taanas in Raag Bhairav.
- 5) Give a brief Description of the Time Theory of Ragas.
- 6) Write the detailed description of Raag Bageshwari.

### **LEGAL STUDIES**

Write an essay on Offer and Acceptance along with case law.

Discuss in detail how Discharge of Contract takes place.

What are the objectives behind having tort law?

What are the sources of tort law?

Difference between Confession and Admission.

Trace the progress and development of the contemporary Lokpal movement in India.

What are the advantages of ADR over traditional forms of dispute resolution? Discuss the similarities and differences between arbitration and litigation.

2. NHRC of India has prescribed a complaint format as given below. Use the format and prepare a complaint on any human rights violation either hypothetical or real that you may be aware of, or you may have read in the news and so on. The NHRC guidelines given below in row 3 or for reference purpose.

Format for filing a complaint with the NHRC.

Complainant's Details

Name

Sex: Male/ Female

State:

Full Address

District

Pin Code:

Incident Details

Incident Place

State

District

Date of Incident

C. Victim's Details

1. Name of the victim

2. No. of victims

3. State

4. Full address

5. District

6. Pin code

religion

D Brief summary of allegations of human rights involved:

E. Whether complaint is against members of armed forces or paramilitary forces yes or no

F Whether similar complaint has been filed before any Court or State human rights Commission

G. Name, designation and address of the public servant against whom complaint is being made

H. Name, designation and address of the authority to whom the public servant is answerable

I. Prayer or relief if any sought: