SGJ DAV SEN. SEC. PUBLIC SCHOOL, HARIPURA
Class – 11th (All Subjects Assignment)
Date – 28.08.2025

History-

Instructions: Write these questions on your notebook.

Answer the following questions in 150-180 words.

You have to submit this work after the opening of school to your subject teacher.

1.   "Priests placed themselves in the first order, and nobles in the second." Explain the statement in eight points with the reference of first order.   8 Marks

2.   "From the ninth century, there were frequent localised wars in Europe." Explain the in five points with the reference of The Knights.   5 Marks

3.   "A lord had his own manor-house." Explain the in five points with the reference of The Manorial Estate.   5 Marks

4.   Describe the life of Monks and Nun of the medieval Europe in eight points.   8 Marks

Political Science-

Instructions:

* Write these questions in your notebook.

* All are long question answers of 6 marks.

1. Explain the key characteristics of democratic elections and their significance.

2. Write some of the proposed electoral reforms in India and why are they important?

3. Explain the system of universal adult franchise and its role in ensuring equality in the electoral process in India.

Geography-

Dear Students,

The assignment is being provided along with hints/suggestive points.

You need to add up more explanation as per your understanding of the concept.

All these questions are to be written in your fair note books

They will be checked once you join the school

Needless to say, these questions are very important from the examination point of view.

Section A – 4 Marks Each (5 Questions)

Q1. Differentiate between the Himalayan rivers and Peninsular rivers with examples.

Answer:

- Himalayan Rivers:
o   Perennial (fed by rainfall + snowmelt).
o   Long courses, deep valleys, meandering, depositional features (deltas, floodplains).
o   Examples: Ganga, Brahmaputra, Indus.
- Peninsular Rivers:
o   Seasonal (rain-fed).
o   Short, swift, flow over hard rocks → more erosional.
o   Examples: Godavari, Krishna, Mahanadi, Narmada.

Q2. Explain how the Ganga–Brahmaputra delta is formed and why it is important.

Answer:

- Formed by deposition of huge sediments brought by Ganga, Brahmaputra & Meghna.
- Largest delta in the world (Sundarbans).
- Importance:
o   Fertile alluvial soil → intensive agriculture.
o   Rich mangroves (Sundari trees), biodiversity.
o   Fishing, waterways, ports.
o   Acts as a natural barrier against cyclones/tsunamis.

Q3 " Rivers are assets of a country economically" Give four points to prove the statement.

Answer:

- Provide water for irrigation (agriculture backbone).
- Hydropower generation (e.g., Bhakra Nangal, Sardar Sarovar).
- Navigation and transport (Ganga waterway).

- Fisheries, tourism, religious value (Varanasi ghats, Haridwar).

Q4. Describe the causes and consequences of river pollution in India.

Answer:
- Causes:
o Industrial effluents, untreated sewage.
o Agricultural runoff (fertilizers, pesticides).
o Religious activities (immersion of idols, bathing, cremation).
- Consequences:
o Loss of aquatic biodiversity.
o Spread of water-borne diseases.
o Decline in potable water quality.
o Economic loss to fisheries, tourism, agriculture.

Q5. Discuss the interlinking of rivers project. What are its potential benefits and challenges?

Answer:
- Benefits:
o Reduces floods & droughts (water transfer from surplus to deficit basins).
o Boosts irrigation, drinking water supply, hydropower.
o Enhances navigation & rural development.
- Challenges:
o Huge cost & displacement of people.
o Submergence of forests, ecological imbalance.
o International issues (rivers shared with Nepal, Bangladesh).

Section B – 2 Marks Each (5 Questions)

Q6. Define a delta. Name two rivers in India forming deltas.

Answer:
- Low-lying depositional landform at river mouth due to silt deposition.
- Examples: Ganga, Mahanadi, Godavari, Krishna.

Q7. What is a water divide? Give one example from India.

Answer:
- Elevated region that separates the flow of water between two drainage basins.
- Example: Ambala (between Indus & Ganga systems).

Q8. Name two rivers of India which form estuaries instead of deltas. Why?

Answer:
- Rivers: Narmada, Tapi, Mandovi.
- Reason: Flow through hard rocks into the Arabian Sea; swift currents prevent deposition → form estuaries.

Q9. Distinguish between dendritic and radial drainage patterns.

Answer:
- Dendritic: Tree-like pattern; formed over homogenous rock (e.g., Ganga basin).
- Radial: Streams radiate outward from a central peak (e.g., rivers from Amarkantak, Western Ghats).

Q10. Why is the Indus Water Treaty important for India?

Answer:
- 1960 agreement between India & Pakistan.
- India got control of eastern rivers (Ravi, Beas, Sutlej).
- Pakistan got western rivers (Indus, Jhelum, Chenab).
- Ensures water-sharing, avoids conflicts.

Economics-
Instructions:
Answer all the questions neatly in your Economics Notebook.

1. Median of numbers: 13, 6, 8, 11, 15, 7, 19, 14 and 12 is:
   a. 13   b. 19   c. 7   d. 12
2. Which of the following is the kind of partition value?
   a. Arithmetic mean   b. Median   c. Quartile   d. Both b & c
3. The mean of N observations is 1260 and their mean is 36 then. The value of N is
   a. 35   b. 40   c. 30   d. 25

4. Dividing series into ten equal parts is called:
a. Quartile   b.   Percentile   c.   Decile   d.   Median
5. If average marks of 8 students is 100 and average marks of 12 students is 90 out of 200, find the combined arithmetic mean of all 20 students.
6. In a class of 50 students, the mean marks in English were 58. Later on it was found that 2 students with marks 40 & 42 joined the class while it was realized that marks of a student were wrongly recorded as 25 instead of 20 & the same student left the section. Calculate the corrected mean.
7. Calculate Q1, Q3, D7 and P40 from the following

Marks	0-5	5-10-	10-15	15-20	20-25	25-30	30-35	35-40
No. of students	4	6	8	12	12	8	6	4

8. Calculate Mean from the following

Wages	100	150	200	250	300	350	400	450
No. of workers	8	6	4	10	12	8	7	5

9. Find out the weighted average arithmetic mean from the following data:

Books	Statistics	Economics	Accountancy	Business studies	Mathematics
Price(Rs,) per Book (X)	200	300	150	250	250
No. sold (W)	40	25	12	13	10

Psychology-
Instructions: Write the answers in fair notebook.
All questions are of 6 marks.
Q.1 Explain in brief the various methods of " Psychological Research".
Q.2 Define "Hypothesis" with example.

Maths-
For 2 marks question.
Q1 Let A={1,2,3}, B={4,5}. Define a relation R from A to B by
R={(x,y):x+y is even} Write all the ordered pairs of R.
Q2 Find the **modulus** and **argument** of the complex number ,z=−3+3i

For 3 marks.
Q4 Find the equation of the line passing through the point (2,3) and perpendicular to the line 3x+4y−7=0
Q5 Determine the distance of the point (4,−3) from the line 5x+12y−13
Q6 Find the point of intersection of the lines 3x−y+2=0 and x+y−4=0

For 4 marks question.
Q7 Find the coordinates of the **foot of the perpendicular** drawn from the point (3,4) to the line x+y−6=0

Physics-
Instructions:-
Dear students, you have to solve following questions on your note book in neat and clean way. You have to submit this work after opening of school to your subject teacher.
1. Give the magnitude and direction of the net force acting on a stone of mass 0.1 kg, (a) just after it is dropped from the window of a stationary train, (b) just after it is dropped from the window of a train running at a constant velocity of 36 km/h, (c) just after it is dropped from the window of a train accelerating with 1 m s -2 , (d) lying on the floor of a train which is accelerating with 1 m s-2, the stone being at rest relative to the train. Neglect air resistance throughout. (4 Marks)
2. The driver of a three-wheeler moving with a speed of 36 km/h sees a child standing in the middle of the road and brings his vehicle to rest in 4.0 s just in time to save the child. What is the average retarding force on the vehicle? The mass of the three wheeler is 400 kg and the mass of the driver is 65 kg. (4 Marks)
3. A body of mass 0.40 kg moving initially with a constant speed of 10 ms-1to the north is subject to a constant force of 8.0 N directed towards the south for 30 s. Take the instant the force is applied to be t = 0, the position of the body at that time to be x = 0, and predict its position at
t= -5 s, 25 s, 100 s. (4 Marks)
4. A truck starts from rest and accelerates uniformly at 2 ms^{-1} . At t = 10 s, a stone is dropped by a person standing on the top of the truck (6 m high from the ground). What are the (a) velocity, and (b) acceleration of the stone at t = 11 s? (Neglect air resistance.) (4 Marks)

Chemistry-

Instructions-(i)Solve all the questions on notebook.

(ii) Each question carry 3 marks each.

1.Write Lewis symbols for the following atoms and ions: S and S^{2-} ; Al and Al^{3+}; H and H^-

2. Draw the Lewis structures for the following molecules and ions:
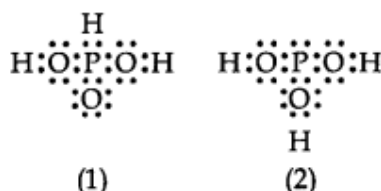
H_2S, $SiCl_4$, BeF_2, CO_3^{2-}, HCOOH

3. Discuss the shape of the following molecules using the VSEPR model:

$BeCl_2$, BCl_3 , $SiCl_4$, AsF_5, H_2S, PH_3

4. Although geometries of NH_3 and H_2O molecules are distorted tetrahedral, bond angle in water is less than that of ammonia. Discuss.

5. Explain the important aspects of resonance with reference to the CO_3^{2-}ion.

6. H_3PO_3 can be represented by structures 1 and 2 shown below. Can these two structures be taken as the canonical forms of the resonance hybrid representing H_3PO_3? If not, give reasons for the same.

(1)   (2)

7. Write the resonance structures for SO_3,NO_2 and NO_3

8. Although both CO_2 and H_2O are triatomic molecules, the shape of H_2O molecule is bent while that of CO_2 is linear. Explain this on the basis of dipole moment.

Biology-

1.Explain the binomial nomenclature system. Write its rules with an example. (3 Marks)

2.Describe Whittaker's Five Kingdom Classification. Give merits and demerits. (5 Marks)

3.Write the general characteristics of Algae and their economic importance. (3 Marks)

4.Describe Bryophytes with reference to structure and reproduction. Why are they called "amphibians of plant kingdom"? (5 Marks)

5.Write differences between Gymnosperms and Angiosperms. Give examples. (3 Marks)

Physical Education-

1.Give the definitions of physical education and write the aims and objectives of physical education in brief .

(5)

2. Explain in detail the role of sports od authority of india (SAI) in development of sports . (5)

Commercial Arts-

Instructions: Solve the following questions on assignment sheets.

There will a class test of all these questions once the school opens.

Q1. What are prehistoric rock paintings? (3 marks)

Q2. Why are the paintings at Bhimbetka significant? (3 marks)

Q3. Explain the themes of prehistoric rock paintings? (3 marks)

Q4. Differentiate between Paleolithic and Mesolithic paintings? (5 marks)

Q5. Describe the techniques used by early humans in rock paintings? (3 marks)

Q6. What is the importance of Bhimbetka rock shelters? (3 marks)

Business Studies-

Instructions: Write the answers in your fair notebook

All questions are of 4 marks.

Q.1 Rahul's father wants to save Rs. 100,000 so that he can gift the money to Rahul on his graduation day. Which type of deposit should he open with the bank?

Q.2 A company insures its stock against fire for Rs. 15 Lakh. A fire broke down and the total stock was lost. At the time of the fire, there was stock worth Rs. 25 Lakh. What is the value of compensation the company would be entitled to?

Q.3 Mr. Satish gets his house insured against fire of Rs. 20 Lakh with insurer A and for Rs. 10 Lakh with insurer B. A loss of Rs. 3 Lakh occurred.

(a) How much compensation can be claimed from A and B separately and Why?

Q.4 Explain the Difference between Goods and services based on its nature.

Accountancy-

Instructions:

Answer all the questions neatly in your Accountancy Notebook.

1. Prepare Purchase return Book of Kamla Stores, Delhi from the following transactions for the month of April 2025 assuming CGST and SGST @ 6% each.

> Apr 5 Returned goods to Vipul Brothers, Delhi purchased for ₹ 45,000 *Trade Discount 10%*
> Apr 5 Returned goods to Nikhilesh Brothers, Noida purchased for ₹ 90,000 *Trade Discount 15%*
> Apr 5 Returned goods to Vishisht Brothers, Gurugram of ₹ 45,000 being not as per sample

2. Prepare Sales Book and Sales return Book of M/s craft furniture's, Jaipur from the following transactions for the month of August 2024 assuming CGST and SGST @ 6% each.

> Aug 10: Sold to Modern School, Delhi
>   80 chairs @ 300r each
>   10 Tables @ 650 each
> Less: *Trade Discount 10%*
> Aug 18: Sold to Jain School, Mohali for cash
>   100 chairs @ 300r each
> Less: *Trade Discount 10%*
> Aug 20: Modern School, Delhi returns being defective
> 8 chairs
> 2 Tables
> Aug 22: Sold to Gyan Bharti School, New Delhi
>   50 Benches @ 1,200 each
>   80 Tables @ 650 each
> Less: *Trade Discount 10%*
> Aug 24: Sold to MSD School, Jaipur
>   2 old Air Conditioners @ Rs. 10,000 each.
> Aug 30: Gyan Bharti School, New Delhi returns
>   25 Benches
>   10 Tables being not as per sample

3. Prepare Sales Book & Purchase Book of M/s Agarwal stationers, Chandigarh from the following transactions for the month of January, 2025 assuming CGST & SGST @ 2.5% each.

> Jan10: Bought from M/s R. R. Garg, Delhi:
>   1,000 registers @ 80 each
>   50 ream papers @ 250 per ream
> Less: *Trade Discount 10%*
> Jan 12: Sold to Gupta Bros, Panchkula for cash:
>   250 registers @ 100 each
>   80 ream ruled papers @ 450 per ream
> Less: *Trade Discount 15%*
> Jan 18: Sold to DAV School, Mohali:
>   250 registers @ 100 each
>   5 ream papers @ 300 per ream
> Jan20: Bought from M/s BILT, Delhi:
>   150 ream ruled papers @ 400 per ream
> Jan 21: Sold to SD School, Chandigarh:
>   200 registers @ 100 each
>   25 ream papers @ 300 per ream
>   20 copies of Double Entry Book Keeping @ 600 each
> Jan 21: Sold to Rishi kumar, Mohali for cash:
>   200 registers @ 120 each
>   50 ream ruled papers @ 500 per ream
>   50 ream papers @ 300 per ream
> Less: *Trade Discount 15%*
> Jan23: Bought from M/s R. R. Garg, Delhi:

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1200 pens @ 25 each dozen
600 pencils @ 5 each dozen
Less: Trade Discount 10%
Jan 24:  Purchased from Kumar, Jaipur
          2 old Air Conditioners @ Rs. 10,000 each.
Jan 30: Sold Gyan Bharti School, Mohali for cash
          20 ream ruled papers @ 500 per ream
          5 ream papers @ 300 per ream
Less: Trade Discount 15%
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Punjabi-

ਪੱਕੀ ਕਾਪੀ ਉੱਤੇ ਸਾਫ ਲਿਖਾਈ ਵਿੱਚ ਲਿਖੋ:- ਕੁੱਲ ਅੰਕ-4+4+4

ਪ੍ਰਸ਼ਨ 1ਪਿੰਡਾਂ ਵਿੱਚੋਂ ਪਿੰਡ ਸੁਣੀਂਦਾ ਬੋਲੀ ਵਿੱਚ ਕਿਸਾਨ ਦੀ ਕਿਰਤ ਉਸਦੇ ਬਲਦ ਭਰਪੂਰ ਫਸਲ ਤੇ ਤਿਉਹਾਰ ਸਾਰੇ ਇੱਕ ਮਿੱਕ ਹੋਏ ਹਨ ? ਦੱਸੋ ਕਿਵੇਂ ?

ਉੱਤਰ -ਫਸਲ ਬੀਜਣ ਅਤੇ ਇਸਦੀ ਪ੍ਰਾਪਤੀ ਵਿੱਚ ਜਿੱਥੇ ਕਿਸਾਨ ਦੀ ਸਰੀਰਕ ਮਿਹਨਤ ਕੰਮ ਕਰਦੀ ਹੈ।ਉੱਥੇ ਉਸਦੇ ਬਲਦਾਂ ਦਾ ਵੀ ਭਰਪੂਰ ਹਿੱਸਾ ਹੁੰਦਾ ਹੈ। ਦੋਹਾਂ ਦੇ ਸਾਂਝੇ ਯਤਨਾਂ ਨਾਲ ਭਰਪੂਰ ਫਸਲ ਪ੍ਰਾਪਤ ਹੁੰਦੀ ਹੈ ਫਸਲ ਦੀ ਪ੍ਰਾਪਤੀ ਦੀ ਇਹ ਖੁਸ਼ੀ ਅਧੂਰੀ ਰਹਿ ਜਾਂਦੀ ਹੈ ਜੇਕਰ ਕਿਸਾਨ ਤੇ ਉਸਦਾ ਪਰਿਵਾਰ ਮੇਲੇ ਨਾ ਜਾਵੇ ਇਸ ਤਰਾਂ ਪਿੰਡਾਂ ਵਿੱਚੋਂ ਪਿੰਡ ਸੁਣੀਂਦਾ ਬੋਲੀ ਵਿੱਚ ਕਿਸਾਨ

 ਦੀ ਕਿਰਤ ਉਸਦੇ ਬਲਦ ਭਰਪੂਰ ਫਸਲ ਤੇ ਤਿਉਹਾਰ ਇੱਕ- ਮਿਕ ਹੋਏ ਹਨ।

ਪ੍ਰਸ਼ਨ 2 ਢੋਲਾ ਕੀ ਹੁੰਦਾ ਹੈ ?ਇਸ ਨਾਲ ਜਾਣ ਪਛਾਣ ਕਰਾਓ? ਉੱਤਰ-ਢੋਲਾ ਬਾਂਰਾਂ ਦੇ ਇਲਾਕਿਆਂ ਵਿੱਚ ਬਹੁਤ ਹਰਮਨ ਪਿਆਰਾ ਹੈ। ਇਹ ਪੱਛਮੀ ਪੰਜਾਬ ਦਾ ਲੋਕ ਗੀਤ ਹੈ ਢੋਲੇ ਵੀ ਲੋਕ ਕਵੀਆਂ ਵੱਲੋ ਰਚੇ ਗਏ ਹਨ ।ਇਹਨਾਂ ਢੋਲਿਆਂ ਵਿੱਚ ਬਾਰਾਂ ਤੇ ਮੱਧਕਲੀਨ ਸਮਾਜ ਨੂੰ ਚਿਤਰਿਆ ਹੈ ।ਢੋਲੇ ਦੀ ਬਣਤਰ ਸਾਦੀ ਹੁੰਦੀ ਹੈ। ਪੋਠੋਹਾਰ, ਧਨੀ ਆਦੀ ਦੇ ਢੋਲੇ ਤਿੰਨ -ਤਿੰਨ ਸਤਰ ਦੇ ਹੁੰਦੇ ਹਨ ਪਰ ਬਾਰਾਂ ਦੇ ਢੋਲੇ ਲੰਮੇਰੇ ਹੁੰਦੇ ਹਨ। ਇਸ ਵਿੱਚ ਕਿਸੇ ਖਾਸ ਛੰਦ ਦੀ ਵਰਤੋਂ ਨਹੀਂ ਹੁੰਦੀ। ਇਸ ਤਰਾਂ ਇਸ ਨੂੰ ਪੰਜਾਬ ਦੀ ਪੁਰਾਣੀ ਖੁੱਲੀ ਕਵਿਤਾ ਦਾ ਨਾਂ ਵੀ ਦਿੱਤਾ ਜਾ ਸਕਦਾ ਹੈ। ਢੋਲੇ ਵਿੱਚ ਕਹਿਰਾ ਦਾ ਜਜ਼ਬਾ ਹੋਣ ਕਾਰਨ ਇਸ ਵਿੱਚ ਤੇਲ ਤੁਕਾਂਤ ਨਾਲੋ ਸੰਗੀਤ ਤੇ ਲੈ ਵੱਲ ਵੱਧ ਧਿਆਨ ਦਿੱਤਾ ਜਾਂਦਾ ਹੈ। ਢੋਲਾ ਗਾਉਣ ਵਾਲਾ ਗਾਇਕ ਸੱਜੇ ਹੱਥ ਨੂੰ ਕੰਨ ਤੇ ਰੱਖ ਕੇ ਗਾਉਂਦਾ ਹੈ।

ਪ੍ਰਸ਼ਨ 3 ਕੰਨਾਂ ਨੂੰ ਸੋਹਣੇ ਬੁੰਦੇ ਢੋਲੇ ਵਿੱਚ ਨਾਇਕਾ ਦਾ ਚਿਤਰਨ ਕਿਵੇਂ ਪੇਸ਼ ਕੀਤਾ ਗਿਆ ਹੈ?

ਉੱਤਰ-ਕੰਨਾਂ ਨੂੰ ਸੋਹਣੇ ਬੁੰਦੇ ਨਾ ਦੇ ਢੋਲੇ ਵਿੱਚ ਨਾਇਕਾ ਦਾ ਚਿਤਰਣ ਇਸ ਤਰਾਂ ਕੀਤਾ ਗਿਆ ਹੈ। ਨਾਇਕਾ ਦੇ ਕੰਨਾਂ ਵਿੱਚ ਸੋਹਣੇ ਬੁੰਦੇ ਹਨ ਤੇ ਸਿਰ ਦੇ ਲੰਬੇ ਦੇ ਵਾਲ ਹਨ। ਉਹਦੇ ਪੈਰਾਂ ਵਿੱਚ ਤਿੱਲੇ ਦੀ ਕੱਢੀ ਹੋਈ ਜੁੱਤੀ ਹੈ ਤੇ ਉਹ ਪੱਬ ਮਰੋੜ ਕੇ ਰੱਖਦੀ ਹੈ। ਉਸਨੇ ਵੰਗਾਂ ਵੀ ਪਾਈਆਂ ਹੋਈਆਂ ਹਨ ਉਸਨੇ ਆਪਣੀ ਸੁੰਦਰਤਾ ਦੇ ਨਸ਼ੇ ਨਾਲ ਆਪਣੇ ਪ੍ਰੇਮੀ ਨੂੰ ਕਮਲਾ ਕਰ ਦਿੱਤਾ ਹੈ।

English-

Note: All work must be done in your class work notebook.
Each question carries 5 marks
  1.Mobile phones of today are no longer a mere means of communication. Music lovers are so glued to it that they don't pay attention even to the traffic while crossing the roads. This leads to accidents, sometimes even fatal ones. Write a speech in 150-200 words to be delivered in the morning assembly advising the students to be careful in the use of this otherwise very useful gadget. Imagine you are Principal of your school.
2. 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.
 3. Today's children are not yet aware of many opportunities awaiting them after they complete their school education. As an academic counsellor give a talk to the students of St Antony's School on the need for career guidance and how knowledge of the available careers can benefit the youth. Write the speech in 150-200 words.

Information Technology-

Instructions - Please write this work on notebook and bring all completed homework on the reopening day. There will a class test of all these questions once the school opens. All questions are worth of 3 marks each.
1. List some common troubleshooting steps that you should keep in mind.

Answer – Some of the common troubleshooting steps are –
• Uninstall unnecessary file from the computer system
• Always keep your antivirus update
• Always use disk cleanup for temporary file
• Remove unwanted files and folders from the system
• Use defragmentation

2. What steps would you take if the monitor is not showing any display, or the screen is blank?
Answer – If monitor is not showing any display then we have to take following steps –
• Check the cable connection
• Check weather computer led light is ON or OFF
• If laptop check weather laptop is not in sleep mode

3. What would you do when your keyboard or mouse is not responding/ working properly?
Answer – If keyboard or mouse is not responding properly then follow the following steps –
• Unplug USB cables and wait for some minutes
• Try to use any other USB port
• Check whether keyboard or mouse LED is On or OFF
• If wireless, Check the battery

4. What troubleshooting step will you take when the printer is not responding?
Answer – If printer is not responding follow the following steps –
• The printer is not connected properly or not switched on
• The printer is Out of Paper
• Check whether printer paper is Jam
• Incorrect Printer Driver

5. What could be the possible cause for all the applications to be running slow?
Answer – The possible cause for all the applications running slow are –
• Viruses are affected in the computer
• Free space on the hard drive
• Run a Disk Cleanup application
• Delete unused files and programs
• Empty your recycle bin
• Remove Temporary files

FMM-
Instruction: Write the answers in your fair notebook.
All questions are of 3 marks.
Q.1 What is SEBI'S role in the issue of securities?
Q.2 How is depository similar to a bank?
Q.3 What is Arbitration?
Q.4 What is a Prospectus?