



## GURUKUL THE SCHOOL HOLIDAY HOMEWORK

### ENGLISH

*“Practice daily because the quality of your practice determines the caliber of your performance”*

The importance of holiday homework to reinforce learning can never be undermined. It is an effective tool to hone your creative skills and widen your mental horizon. It serves as a window through which you can monitor your progress effectively and aim for perfection to improve your score.

#### **Cognitive Arena to hone your mental skills :( one chapter daily)**

The summer of the beautiful White Horse:

1. “A man could be the father of his son’s flesh, but that did not mean that he was the father of his spirit.” Do you agree with this statement? Discuss in detail.
2. Why did the narrator say that “the spirit” of his tribe was being capricious and vagrant?
3. Aram justified that their stealing the horse was not actually stealing. Do you agree? Discuss in detail.
4. “A suspicious man would believe his eyes instead of his heart.” Who said these words? Why?

The Address:

5. What human values does Mrs. S possess, unlike Mrs. Dorling? Explain with the reference to the chapter, “The Address”.
6. Betrayal of trust is an evil which may afflict people of any time or any age. Discuss this statement in the context of the chapter “The Address”.
7. “I was absolutely not interested in all that stored stuff.” Who was not interested? Why?
8. Compare and contrast Mrs. Dorling with Mrs. S.

A Photograph:

9. What can you say about the childhood of the poet’s mother? Discuss in detail.
10. Comment on the tone of the poem.
11. “Both wry with the labored ease of loss.’ The poet is missing her mother. What is the role of the mother in forming the personality of the child? Describe in detail.
12. Happy moments are short-lived but they provide a lifetime memory. They provide a cushion to bear the difficulties which the future has in store for you. Comment in the light of the poem ‘A Photograph’ by Shirley Toulson.

The Portrait of a Lady:

13. The grandmother’s farewell and reception of her grandson were very touching. Comment.
14. Write a character sketch of the grandmother, highlighting her values.
15. The chapter “The Portrait of a Lady’ displays the sad reality of old age. Old people face loneliness and seclusion. It gets you thinking about the pain of old age. After taking

inputs from your grandparents, write about the joys and pain of old age experienced by them.

**Writing Section to enhance your skills :( Two Questions daily)**

1. As the In charge of Sunrise School Delhi, write a notice informing the students of class XI about the conduct of remedial classes in the upcoming month. Provide the necessary details.
2. A Blood Donation Camp is going to be set up in Nehru Colony. As the Secretary of the RWA of the colony, draft a notice asking and encouraging the residents to take part in the cause. Provide the necessary details.
3. You are General Manager of Panache Export House, New Delhi. You want to appoint a Personal Assistant for your company. Draft a suitable advertisement.
4. You would like to sell your old car as you are planning to buy a new one. Draft a suitable advertisement to be published in a local daily.
5. You have lost your mobile phone while travelling in Delhi Metro. Draft an advertisement giving all relevant details and promising a reward.
6. You are the Manager of Cox and Kings and have organized a 3 nights/4 day's package for Dubai. Draft the advertisement for a national daily to draw people's interest towards it.
7. You are working for an advertising agency. Draft an appealing advertisement for launching a new toothpaste. Give its features and benefits.

**PPT MAKING ACTIVITY:**

Make a Power Point Presentation on any topic given below

1. Poem 'A photograph'. Make a presentation on The Poet Shirley Toulson and the values you have learnt from the Poem.
2. 'The Portrait of a Lady': Make a presentation on Khushwant Singh/the role of grandparents in our lives/synopsis of the chapter and values imbibed from it.
3. The Summer of a beautiful White Horse: Make a presentation on William Saroyan/ the values learnt from the chapter/the synopsis of the chapter.
4. The Address: Make a presentation on the life of Marga Minco/the impact of war on the lives of people/ the synopsis of the chapter/character sketch of Mrs. S and Mrs. Dorling.

**Day 1, Suggested Time taken – 15 minutes**

**NOTE MAKING:**

**Read the passage given below carefully:**

Good decoration reflects the personality of the people who live in the home. It should, first of all, be distinctive, just as each person is distinctive. A home should have unity not only within each room but also throughout the house. Rooms should, to some degree, harmonize with each other. The color and styling of each room, particularly, should fit into the color and styling of the rooms which run out of it.

Attractive home furnishings set the stage for pleasant living. If they are an expression of yourself, you will have a feeling of satisfaction every time you enter your home, and friends will share your enjoyment.

However, furnishings and surroundings expressive of just the right note of restfulness, gay informality, or elegant simplicity are not often assembled by accident. Even enthusiasm alone is not enough. For most home decorators, it takes poring over plans, trying color schemes,

finding ingenious ways to make the best of what you have, and shopping around to search out just the right purchases at prices you can afford to pay. But there is keen pleasure in striving for the perfect result, and great satisfaction in achieving it.

A successful house and successful rooms will depend upon the proper relationship of each element in it to the others and to the whole. Therefore, in selecting each piece it is important to consider the background, the usage, the draperies, the floor covering, the upholstering materials, the woods, shapes, color scheme, and the feeling you prefer for the room.

Work and plan to enjoy in your house. Limit the expenditures of time, effort and money to the extent of your abilities, so that just running the house doesn't dominate your life. Elegance and delicate things may be a drain you can afford only in a limited way. If you can't afford outside help, select a house and furnishings that require less care. Plan your activities so that tumult and upset are limited.

You can select a pleasing combination of colors from a wallpaper, a fabric, a flower or scene, or even a picture in a magazine. If you don't already have the furniture, it is a good idea to make up a color scheme in this way. Let one color predominate. Limit a color scheme to two or three colors, with white or gray tones.

(a) On the basis of your reading of the above passage, make notes on it, in points only using headings and sub-headings. Also use recognizable abbreviations wherever necessary (Minimum 4). Supply a suitable title to it.

(b) Write a summary of the above passage in about 80 words

## **Day 2:**

### **NOTE MAKING AND ABSTRACTION:**

#### **Read the passage given below:**

A good business letter is one that gets results. The best way to get results is to develop a letter that, in its appearance, style and content, conveys information efficiently. To perform this function, a business letter should be concise, clear and courteous.

The business letter must be concise: don't waste words. Little introduction or preliminary chat is necessary. Get to the point, make the point, and leave it. It is safe to assume that your letter is being read by a very busy person with all kinds of papers to deal with. Re-read and revise your message until the words and sentences you have used are precise. This takes time, but is a necessary part of a good business letter. A short business letter that makes its point quickly has much more impact on a reader than a long-winded, rambling exercise in creative writing. This does not mean that there is no place for style and even, on occasion, humour in the business letter. While it conveys a message in its contents, the letter also provides the reader with an impression of you, its author: the medium is part of the message.

The business letter must be clear. You should have a very firm idea of what you want to say, and you should let the reader know it. Use the structure of the letter—the paragraphs, topic sentences, introduction and conclusion—to guide the reader point by point from your thesis, through your reasoning, to your conclusion. Write in Paragraph to break up the page and to lend an air of organization to the letter. Use an accepted business-letter format. Re-read what you have written from the point of view of someone who is seeing it for the first time, and be sure that all explanations are adequate, all information provided (including reference numbers, dates, and other identification). A clear message, clearly delivered, is the essence of business communication.

The business letter is your custom-made representative. It speaks for you and is a permanent record of your message. It can pay big dividends on the time you invest in giving it a concise message, a clear structure, and a courteous tone.

2.1. Make notes on the passage using recognizable abbreviations in any suitable format. Give a title to the passage.

2.2. Make a summary of the passage.

**MATHEMATICS**  
**CHAPTER-3 (TRIGONOMETRIC FUNCTIONS)**

1. find the principal solutions of each of the following equations:

a)  $\sin x = \frac{\sqrt{3}}{2}$       b)  $\cos x = -\frac{1}{2}$       c)  $\tan x = \sqrt{3}$       d)  $\operatorname{cosec} x = 2$

2. Find the principal solutions of each of the following equations:

a)  $\sin x = \frac{-1}{2}$       b)  $\sqrt{3} \operatorname{cosec} x + 2 = 0$       e)  $\tan x = -\frac{1}{\sqrt{3}}$

3. Find the general solution of each of the following equations:

i. a)  $\sin 3x = 0$     b)  $\sin \frac{3x}{2} = 0$     c)  $\sin\left(x + \frac{\pi}{5}\right) = 0$     d)  $\cos 2x = 0$     e)

$\tan\left(3x + \frac{\pi}{6}\right) = 0$

ii. a)  $\sin x = \frac{\sqrt{3}}{2}$       b)  $\cos x = 1$       c)  $\sec x = \sqrt{2}$

iii. a)  $\sec 3x = -2$       b)  $\cot 4x = -1$       c)  $\operatorname{cosec} 3x = \frac{-2}{\sqrt{3}}$

iv.  $4 \sin x \cos x + 2 \sin x + 2 \cos x + 1 = 0$

v.  $\sec^2 2x = 1 - \tan 2x$

vi.  $\tan^2 x - 3 \tan x = 0$

vii.

$\sin x + \sin 3x + \sin 5x = 0$

viii.  $\sin x \tan x - 1 = \tan x - \sin x$

ix.  $\cos x + \sin x = 1$

x.  $\sqrt{3} \cos x + \sin x = 1.$

**SINE RULE AND COSINE RULE:**

1. In any triangle ABC, prove that:

i.  $\frac{\sin(B-C)}{\sin(B+C)} = \frac{b^2 - c^2}{a^2}.$

ii.  $a^3 \sin(B-C) + b^3 \sin(C-A) + c^3 \sin(A-B) = 0$

iii.  $\frac{a^2 \sin(B-C)}{\sin A} + \frac{b^2 \sin(C-A)}{\sin B} + \frac{c^2 \sin(A-B)}{\sin C} = 0.$

$$\text{iv. } \left( \frac{b^2 - c^2}{a^2} \right) \sin 2A + \left( \frac{c^2 - a^2}{b^2} \right) \sin 2B + \left( \frac{a^2 - b^2}{c^2} \right) \sin 2C = 0$$

$$\text{v. } (b - c) \cot \frac{A}{2} + (c - a) \cot \frac{B}{2} + (a - b) \cot \frac{C}{2} = 0$$

$$\text{vi. } a \sin \frac{A}{2} \sin \left( \frac{B - C}{2} \right) + b \sin \frac{B}{2} \sin \left( \frac{C - A}{2} \right) + c \sin \frac{C}{2} \sin \left( \frac{A - B}{2} \right) = 0$$

$$\text{vii. } a^3 \cos(B - C) + b^3 \cos(C - A) + c^3 \cos(A - B) = 3abc.$$

2. In any triangle ABC, Prove that:

$$\frac{a^2 \sin(B - C)}{\sin B + \sin C} + \frac{b^2 \sin(C - A)}{\sin C + \sin A} + \frac{c^2 \sin(A - B)}{\sin A + \sin B} = 0$$

3. If in triangle ABC,  $\frac{\sin A}{\sin C} = \frac{\sin(A - B)}{\sin(B - C)}$  prove that  $a^2, b^2, c^2$  are in A.P.

4. With usual notations, if in a triangle ABC  $\frac{b+c}{11} = \frac{c+a}{12} = \frac{a+b}{13}$ , then prove that:

$$\frac{\cos A}{7} = \frac{\cos B}{19} = \frac{\cos C}{25}.$$

5. If  $a^2, b^2, c^2$  are in A.P., prove that  $\cot A, \cot B, \cot C$  are in A.P.

6. Two ships leave a port at the same time. One goes 24km per hour in the direction N  $45^\circ$ E and other travels 32km per hour in the direction S  $75^\circ$ E. find the distance between the ships at end of 3hours.

7. Two trees, A and B are on the same side of a river. From a point C in the river the distance of trees A and B are 250m and 300m respectively. If the angle C is  $45^\circ$ , find the distance between the trees (use  $\sqrt{2} = 1.44$ ).

8. An object is observed from three points A, B, C in the same horizontal line passing through the base of the object. The angle of elevation at B is twice and at C thrice that at A. If  $AB = a, BC = b$  prove that the height of the object is  $\frac{a}{2b} \sqrt{(a+b)(3b-a)}$ .

9. A tree stands vertically on a hill side which makes an angle of  $15^\circ$  with the horizontal. From a point on the ground 35m down the hill from the base of the tree, the angle of elevation of the top of the tree is  $60^\circ$ . Find the height of the tree.

10. The angle of elevation of the top point P of the vertical tower PQ of height h from a point A is  $45^\circ$  and from a point B, the angle of elevation is  $60^\circ$ , where B is a point at a distance d from the point A measured along the line AB which makes an angle  $30^\circ$  with AQ. prove that  $d = (\sqrt{3} - 1)h$ .

11. A lamp post is situated at the middle point M of the side AC of a triangular plot ABC with  $BC=7\text{m}, CA=8\text{m}$  and  $AB=9\text{m}$ . Lamp post subtends an angle of  $15^\circ$  at the point B. determine the height of the lamp post.

### **BIOLOGY (044)**

1. Complete all the assignments based on chapter 1, 2, 3 and 4 (Given and mailed to the students)
2. Complete your spotting practical's based plant and animal specimens in your practical file with a neat and well labelled diagram.
3. Complete all your NCERT questions and answers of the chapters completed in the class.
4. Create an investigatory project or a survey report on any one of the following topics –
  - a) Future aspects in biotechnology
  - b) Drug and alcohol abuse
  - c) Medical ethics
  - d) Striving against life hazardous diseases (AIDS , cancer)
  - e) Case studies based on diseases. Cardiovascular diseases, disorders of excretory system, digestive system.
5. Prepare a seminar project (project file, PowerPoint presentation, model making and charts) on any one of the human physiology (any of the system)
6. Prepare concept maps and flow charts of all the classifications of plant and animal kingdom.

### **CHEMISTRY (043)**

#### ***Topic: Some Basic Concepts of Chemistry, Structure of atom***

- 1) Temperature of human body is 98.6°F. What will be the temperature in Celsius?
- 2) Express the following into scientific notation and find out significant figure also.  
0.00000007835
- 3) A coin of copper weighs 7.432g and its density is 8.2 g/cm<sup>3</sup>. Calculate the volume of copper in the coin.
- 4) A cricket ball is observed to travel at a speed of 88 mile per hour. Express the speed in SI unit.
- 5) Calculate the mass of 0.72 g molecules of CO<sub>2</sub>.
- 6) Calculate the total no of electron present in 3.2 g of oxygen gas
- 7) Calculate the mass of iron which will be converted into its oxide (Fe<sub>3</sub>O<sub>4</sub>) by the action of 18 g of steam on it.
- 8) Calculate the mass per cent of different elements present in Calcium chloride.
- 9) Calculate the total no of electron present in one mole of methane.
- 10) Calculate the mass of sodium acetate (CH<sub>3</sub>COONa) required to make 800ml of 0.275 molar aqueous solution. Molar mass of sodium acetate is 82. 0245 g /mol.
- 11) Calculate the concentration of sucrose in moles per liter in a sample which has a density, 1.80 g/ ml and the mass percent of sucrose in it being 30 %( by mass).
- 12) A man weighs 275 lb. Express his weight in Kg.
- 13) If the density of methanol is 0.793 kg /L. what is its volume needed for making 2.5 L of its 0.25 M solution?
- 14) An organic compound has following percentage composition; C = 48%, H = 8% and N = 28%. Calculate the empirical formula of the compound.

- 15) Calculate the mole fraction of benzene in a solution which is 30 % by mass in  $\text{CCl}_4$ .
- 16) A solution of ethanol in water is 1.6 molal. How many gram of ethanol is present in 500 gram of solution?
- 17) Calculate the mass of a photon with wavelength  $3.6 \text{ \AA}$ .
- 18) Using Heisenberg's uncertainty Principle, Explain why electron can't exist in nucleus.

### ***(II) Investigatory Project***

❖ *Student will prepare one investigatory project and submit the project file on 03 July 2017.*

#### ❖ **List of projects for class XI**

- Checking the bacterial contamination in drinking water by testing sulphide ion. (ROLL NO 1, 9, 17, 25, and 33)
- Study of the methods of purification of water. (ROLL NO 2, 10, 18, 26, and 34)
- 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). (ROLL NO 3, 11, 19, 27, and 35)
- Investigation of the foaming capacity of different washing soaps and the effect of addition of Sodium Carbonate on it. (ROLL NO 4, 12, 20, 28, and 36)
- Study the acidity of different samples of tea leaves. (ROLL NO 5, 13, 21, 29, and 37)
- Determination of the rate of evaporation of different liquids. (ROLL NO 6, 14, 22, 30, and 38)
- Study the effect of acids and bases on the tensile strength of fibers. (ROLL NO 7, 15, 23, 31, and 39)
- Study of acidity of fruit and vegetable juices. (ROLL NO 8, 16, 24, 32, and 40)

## **PHYSICS**

### **INSTRUCTIONS:**

- 1. Attempt all questions in neat and clean handwriting in the school notebook only.**
- 2. Do not use book to see the dimension of any physical quantity.**

1. What is the distance in km of a quasar from which light takes 3 billion years to reach us?(Ans.- $2.84 \times 10^{22}$ km)
2. The radius of a hydrogen atom is about  $0.5 \text{ \AA}$ . What is the total atomic volume in  $\text{m}^3$  of a gram mole of hydrogen atom? (Ans.- $3.154 \times 10^{-7} \text{ m}^3$ )
3. How can you estimate the following-
  - (a) The mass of an elephant
  - (b) The number of air molecules in room?
4. Convert the following by the method of dimensions-

- (a) 1 newton into dyne  
 (b) 1 joule into ergs
5. Check the following formulae by the method of dimensions-
- (a)  $f = 1/2l \sqrt{T/m}$   
 (b)  $T = 2\pi \sqrt{l/g}$ .
6. Write the dimensions of a and b in the relation  $P = (b - x^2) / at$ . Where P is power, x is distance and t is time.
7. The frequency of vibration of 'f' of a string may depend upon length l of the string; tension T in the string and mass per unit length m of the string. Using the method of dimensions derive the formula for f.
8. In the equation  $y = a \sin (\omega t - kx)$  obtain the dimensional formula of  $\omega$  and k. given x is distance and t is time.
9. A physical quantity x is calculated from the relation  $x = a^2b^3/cd^{1/2}$ . If percentage error in a, b, c, d are 2%, 1%, 3%, 4%, what is the percentage error in x? (Ans- + 12%)
10. Which quantity in a given formula should be measured most accurately?
11. Write four pairs of physical quantities, which have the same dimensional formula.
12. The length and breadth of a rectangular body are 25.2cm and 16.8cm respectively and have been measured to an accuracy of 0.1cm. Find the percentage error in the area of the object. (Ans-1%).
13. The time period, T of a bubble inside the water is proportional to  $P^a d^b E^c$ . Where P is the hydrolic pressure, d is the density of the water and E is the energy of the explode in the water which creates the bubble. Find the values of a, b and c. (IIT 81)
14. The velocity of water waves may depend on their wavelength  $\lambda$ , the density of water  $\rho$  and the acceleration due to gravity g. The method of dimensional analysis will give what the relation between these quantities. (CEE 92)
15. If the force = -----, then what will be the dimension of  $\alpha$  and  $\beta$ .

$$\beta^3 + \text{density}$$

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### **FINE ART**

#### **Part 1: Natural and object study**

(A) Draw and shade **two** object drawing of a group of objects from any drawing book on a drawing paper of half imperial size .Your drawing should be appropriate in realistic manner



with proper light, shade and perspective. Natural and geometrical form may be covered in group of objects

Natural-forms-large size foliage and flower, fruits, vegetable, any kitchen object

Mark distribution: Total marks 20

- |                                      |    |
|--------------------------------------|----|
| 1. Drawing (composition)             | 10 |
| 2. Treatment of media /colors mixing | 5  |
| 3. Overall impression                | 5  |

### **Part 2: Painting composition**

(A) Make **two** compositions with two human figure of the following three subject in any medium (pencil, pastel, poster color) of your choice on a drawing paper of half imperial size either horizontally or vertically. Your composition should be original and effective. The subject of composition are given below-

1. Daily life scene
2. Sport activity
3. Village escape

(B) Make **one** landscape or nature scene with the help of poster color or water cake color on a drawing paper of half imperial size.

Mark distribution: Total marks 20

- |  |    |
|--|----|
| 1. Compositional arrangement including emphasis on the subject | 10 |
| 2. Treatment of media (color mixing)                           | 5  |
| 3. Originality, creativity, overall impression                 | 5  |

## COMPUTER SCIENCE

- Q1.) Define Software. Briefly define its types.
- Q2.) What is an IPO cycle?
- Q3.) Differentiate between Application software and System software. Give suitable example.
- Q4.) Explain the need of Operating System.
- Q5.) Differentiate between compiler and interpreter.
- Q6.) How many megabytes make 1 terabyte?
- Q7.) Name two supercomputers designed by India.
- Q8.) Explain different generation of computers.
- Q9.) What is the difference between compiler and assembler?
- Q10.) Write the difference between data and information.
- Q11.) Write the difference between ALU and CPU.
- Q12.) What is the relation between microprocessor and microcomputer?
- Q13.) Explain briefly the functions performed by an operating system as processor manager.
- Q14.) (i)  $(A6)_{16} = ( )_{10}$   
(ii)  $(7CA3)_{16} = ( )_{10}$   
(iii)  $(3619)_{10} = ( )_{16}$   
(iv)  $(38AC)_{16} = ( )_8$   
(v)  $(3527)_8 = ( )_2$   
(vi)  $(111010)_2 = ( )_8$   
(vii) Find the eight bit two's complement form of :  
(a) -52                      (b) -123
- Q15.) Distinguish between:
- (a) RAM and ROM
  - (b) Internal and External memory
  - (c) Main memory and cache memory
  - (d) RISC and CISC
  - (e) Serial port and Parallel port
  - (f) SRAM and DRAM
- Q16.) What are EEROM, PROM and EPROM?
- Q17.) What are ports? How are they important?
- Q18.) What is the meaning of volatile primary memory? What can be done to overcome the problems of volatility?

- Q19.) Why is primary memory termed as “destructive write” memory but “non-destructive read” memory?
- Q20.) What is booting?
- Q21.) Differentiate between source code and object code.
- Q22.) What is meant by the term throughput and what is its significance?
- Q23.) What is meant by the terms multiprocessing and multitasking?
- Q24.) Explain briefly the concept of time sharing.
- Q25.) What are the functions of an operating system?

### **PHYSICAL EDUCATION**

1. Prepare your board practical files as per the instructions given by Mr Neeraj.
2. Learn all the chapters done in the class as per the blueprint given to you.
3. Do all the Questions of the chapters done in the class.

### **INFORMATICS PRACTICES**

Attempt the following questions:

1. What is DBMS?
2. What is SQL? What is the distinctive feature of MySQL?
3. What do you understand Degree and Cardinality of a Table?
4. What do you mean by Referential Integrity? How is it enforced in DBMS?
5. What is Data Model? Name various Data Models.
6. Differentiate between DDL and DML.
7. Compare CHAR and VARCHAR datatypes.
8. What are the differences between DELETE and DROP command?
9. What is MySQL Server and MySQL Client?
10. What is a Key? Define the following terms in relevance to keys:
  - a. Primary Key
  - b. Candidate Key
  - c. Alternate Key
  - d. Foreign Key
11. What do you mean by Data Dictionary? What does it comprise of?
12. Which function is used to substitute Null values in a query result?
13. Write command to print the day of the week of your birthday in the year 1999.
14. What is the difference between SYSDATE() and NOW() function?
15. What is the role of UNIQUE constraint? How is PRIMARY KEY constraint different from UNIQUE constraint?
16. How would you view the structure of table Dept?
17. What is meant by “Data independence”? Explain difference between Logical and Physical data independence.
18. Which comparison operator is used for comparing?

- (i) Patterns      (ii) character value      (iii) null values      (iv) ranges      (v) list of values

19. Differentiate between:

- a. DROP TABLE & DROP DATABASE
- b. DROP TABLE & DROP clause of ALTER TABLE.

20. Write My SQL command to create a table STUDENT with under mentioned structure by using SQL Statement:

StdID	Number	Primary Key
StdName	Character (30)	NOT NULL
Gender	Character(6)	Male or Female
Percentage	Number	
SClass	Number	
Sec	Character	
Stream	Character(10)	Science or Commerce
DOB	Date Date of Birth	

21. Write MySQL commands to open school database.

22. Write MySQL command to select student table.

23. Answer the following questions :

- a. Write the difference between Primary Key and Unique Key?
- b. You have the following table CUSTOMER. Identify the required data types for each attributes :

Cust_ID	Customer Identification Number
Cust_Name	Customer Name
Cust_Add	Customer Address
Bill_No	Customer bill Number

24. Find the Output of following :

- a. SELECT ROUND (1.298,1);
- b. SELECT POW(3,4);
- c. SELECT LOWER('MYSQL QUERY LANGUAGE');
- d. SELECT SUBSTR('MYSQL LANGUAGE', 7,8);
- e. SELECT LENGTH('INFORMATION');

25. What is a Transaction?

26. Define the following

- a. Atomicity
- b. Consistency
- c. Isolation
- d. Durability

27. What are two way in which multiple transactions can be executed?

28. What is Savepoint? What is the role of Savepoint in the Transaction?

29. Describe the following command

- a. COMMIT
- b. ROLLBACK
- c. SAVEPOINT