

MOTHER INDIA PUBLIC SCHOOL

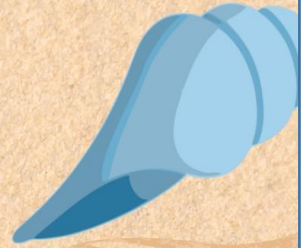
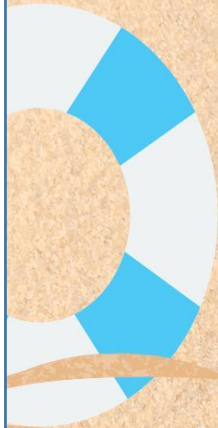
BAZPUR



# SUMMER HOLIDAY HOMEWORK

ENJOY

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## CLASS –XII Comm (2025-26)

### **GUIDELINES**

Wishing you a joyful and refreshing summer break!

May this holiday be filled with laughter, discovery, and quality time with loved ones. Take time to relax, explore your interests, and enjoy every moment.

Along with fun, use this time to engage in your holiday homework—designed to spark creativity, deepen understanding, and make learning enjoyable. Complete it with sincerity, originality, and pride.

Stay safe, stay curious, and come back recharged, ready for new beginnings!

### **PHE**

**MM-25**

**Total Time Duration 11 Hrs**

#### **1.SAI Khelo India Test**

Time Duration 3 Hrs

Marks Obtained- 10

Explain the procedure and used component in every test item

Test items –

.BMI

.50 mtr speed test

.600 mtr run walk test

.Sit and Reach test

.Abdominal curls up test

.Push-ups for boys and modified push-ups for girls

#### **1.Measurement of cardio-vascular fitness- Harvard Step Test**

**Time Duration- 3 Hrs**

**Marks Obtained- 05**

.Explain the procedure of Harvard step test

.Explain Resting heart rate

.Explain duration of exercise

.Explain how to calculate the pulse after 1 to 1.5 min

.Explain the short term formula and long term formula

#### **General Instructions-**

.Write down the procedure of both above mentioned tests.

.Conduct the tests on at least 5 people.

.Collect the samples and put in the standard scale of tests.

.Mention the results and categorize the physical fitness level of subjects.

.All the work should be done in Physical Education lab manual.

#### **1. Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease.**

**Time Duration- 5 Hrs**

**Marks Obtained- 10**

**1. Obesity:** Procedure, Benefits & Contraindications for Tadasana and Katichakrasana.

**2. Diabetes:** Procedure, Benefits & Contraindications for Katichakrasana and Pavanmuktasana.

**3. Asthma:** Procedure, Benefits & Contraindications for Vajrasana and Urdhawahastootansana.

**4. Hypertension:** Procedure, Benefits & Contraindications for Uttanpadasana and Katichakrasana.

**5. Back Pain and Arthritis:** Procedure, Benefits & Contraindications of Ushtrasana and Urdhawahastootansana.

## ECONOMICS

### **Guidelines for Project Work in Economics**

**Only one project (one topic) is to be done throughout the session. ( Make a file)**

Students may work up on the following lines as suggested flowchart

**Choose a title/topic**

**Collection of the research material/data**

**Organization of material/data**

**Present material/data**

**Analyzing the material/data for conclusion**

**Draw the relevant conclusion**

#### **Presentation of the Project**

Micro and Small Scale Industries

Contemporary Employment situation in India

Goods and Services Tax Act and its Impact on Suggestive List of Projects

Micro and Small Scale Industries

Human Capital Formation

Balance of Payment

Banking System of India

Comparative study of India and neighborhood countries

Contemporary Employment situation in India

Goods and Services Tax Act and its Impact on GDP

Human Development Index

Monetary policy committee and its functions

Government Budget & its Components

Exchange Rate determination-Methods and Techniques

Monetary policy committee and its functions

Government Budget & its Components

Exchange Rate determination-Methods and Techniques

Self-help group

Livestock-Backbone of Rural India

Sarwa Siksha Abhiyan-Cost Ratio Benefits

Minimum Support Prices

Waste Management in India-Need of the hour

Digital India-Step towards the future

Vertical Farming an alternate way

The economics of GOLD

Make in India-The way ahead

Rise of Concrete Jungle-Trend Analysis

Any other newspaper article and its evaluation on basis of economic principles Food Supply Channel in India

Dis investment policy of the government

Health Expenditure(of any state or country)

Inclusive Growth Strategy

Trends in Credit availability in India

Role of RBI in Control of Credit

Trends in budgetary condition of India

Currency War-reasons and repercussions

Alternate fuel-types and importance

Foreign exchange rate

Relation between Stock Price Index and Economic Health of Nation

Minimum Wage Rate-Approach and Application

Government budget

Bumper Production-Boon or Bane for the farmer

Organic Farming-Back to the Nature

#### **Marking criteria**

**Content. 10 marks**

**Presentation 5 marks**

**Creativity. 5 marks**

**Knowledge. 5 marks**

## **BUSINESS STUDIES**

**MM:25 marks**

**Duration: 06 Hours**

**Students advice Per day Devote 30 minutes**

**Students Have to prepare a Project File on the Topic- Marketing Management of the product.**

#### **Guidelines for project :**

- a. Introduction of the product
- b. Why you have select this product?
- c. Features of the product
- d. Functions of marketing
- e. Brand name of the product
- f. Uses of the product
- g. Competitors of the brand.



- h. Uses of the product
- i. Label and packaging of product
- j. Price list of products
- k. Distribution channels used for the distribution of product
- l. Social messages

**The product for each students us given below.**

<b>Roll No.</b>	<b>Product</b>
1&2.	Washing Detergent
3&4.	Bathing Shop
5&6.	Tooth paste
7&8.	Mobile phone
9&10.	Coffee
11 &12.	Air conditioner
13&14.	Shoes
15&16.	Chocolate
17&18.	Watch
19&20.	Nail paint

**Marking criteria**

**Creativity – 10 marks**

**Content – 7 marks**

**Knowledge – 8 marks**

**If a student face any problem in preparing project file take a help from book chapter- Marketing management or you can freely contact on this number-88599778582.**

## **ENGLISH**

### **SECTION A: Project Work- (10 marks)**

**Q-1) Please Note: - Assignment work to be done on A4 sheets. Check your roll no. and do the questions as per your roll no.**

1. (Roll No.1, 5, 10, 15, 20, 25) Read The Last Lesson and My mother at Sixty-Six: OLD AGE HOMES are designed for the old age people. Are they is a liability or responsibility for the younger ones in the family? Your views on the emerging old age homes in our country. **(Word limit 800-1000 words)**
2. Roll No. (2,6,11,16,21,26) Lost Spring and there are some schools on wheels. What do you think, we (as developed society) should do? Why should students skip schooling despite their family conditions? Suggest the need of initiatives like School on Wheels. Your views on it. **(Word limit 800-1000 words)**
3. Roll No. (3,7,12,17,22,27) Read the chapter Indigo and find biography of Nelson Mandela. Do you agree Leadership means ownership at the cost of self-sacrifice? Draw comparisons between their lives highlighting their contribution in the field of freedom movement of their country. **(Word limit 800-1000 words)**
4. Roll No.(4,8,13,18,23,28) The Tiger King shows no logic to kills the tigers but just to prove the astrologer wrong, no sympathy for the animals or coexistence. Find some parallel examples from Indian history where an emperor/ King/ Nawab went beyond his duty to get his whims fulfilled. **(Word limit 800-1000 words)**
5. Roll No. (9,14,19,24,29) Read the chapter Rattrap- according to the main character of the story the whole world is a trap and all things that attract us are like bait. Compare this philosophy with Buddhism (life is suffering -desire causes suffering, ending desire ends with suffering.) **(Word limit 800-1000 words)**

### **Project Work - Art Integration**

Prepare and submit the above-mentioned topics integrating them with art. You can choose any two of the following activities and prepare your presentations: -

- |            |              |               |             |                |
|------------|--------------|---------------|-------------|----------------|
| 1. Posters | 2. Brochures | 3. Scrapbooks | 4. Collages | 5. Storyboards |
|------------|--------------|---------------|-------------|----------------|

6. Caricatures

7. Painting/ Drawing

Be creative and innovative in the presentation of your ideas.

### SECTION B: ADVANCED WRITING SKILLS

**Q.2)** Attempt any one of the two, (a),(b) or (c) in about 50 words -

**(5 marks)**

Q.2.1) A. You have seen an advertisement in The Hindu for the post of P.G.T.(Psychology) for St. Mary's Convent, Feeder Road, Lucknow. Apply for the job with complete BIO-DATA. You are Sajeev Mathews, resident of 96 Shaheed Bagh, Lucknow.

**OR**

Q.2.1) B. Bal Vidya Public School, Bhilai, urgently requires a post-graduate teacher to teach political science for which they have placed an advertisement in The Indian Express. You are Sujay/Sanjana Sharma from 21, Vasant Marg, Bhilai. Draft a letter including a CV, applying for the advertised post (120-150 words).

**OR**

Q.2.1) C. You are Priti/Pramod Vats, a resident of 317, Rajdhani Enclave, Ramnagar New Delhi. You saw the given advertisement in the newspaper and wished to apply for the same. Write a letter to the Personnel Manager along with your bio-data, expressing your interest in the advertised post.

#### **HARRISON & SIMPSON Ltd.**

##### **REQUIRES**

College graduates for marketing a new cosmetic range 'Afresh, needs graduates, comfortable in English and Hindi, good interpersonal skills. Contact: Personal Manager for walk in-10.00 am-5.00 pm  
Mobile no. 9877763240

**Q.3)** Attempt any one of the two, (a) or (b), in about 50 words.

**(5 Marks )**

(a) You are the Secretary of the Civil Medical Doctors Association, Sheesh Nagar. On the occasion of World Health Day, you are arranging a workshop on Drug Free Pain Management and Reversal. Draft a formal letter of invitation to be sent to all the members to attend the workshop. Request them to be punctual. Invent relevant details.

**OR**

(b) You are Shri E.A.S. Prasad, a well-known local cricketer. You have been invited as a chief guest for an inter- school cricket championship in K.P.S. School, Mehrangarh. Create an appropriate formal letter of acceptance.

### **SECTION -C**

**Q.4)** Listen to the video links and design a question paper based on you listening. Follow the question paper format. There should be minimum 10 questions. The questions paper format is given in the box. Maximum marks

Group no. 01- (Roll No.1, 5, 10, 15, 20, 25) <https://www.youtube.com/watch?v=rqoBNKVpFU0>

Group no. 02- Roll No. (2, 6, 11, 16, 21, 26) <https://www.youtube.com/watch?v=XCciAJJMt9Q>

Group no. 03- Roll No. (3, 7, 12, 17, 22, 27) <https://www.youtube.com/watch?v=zrjHY-ID2kU>

Group no. 04- Roll No. (4, 8, 13, 18, 23, 28) <https://www.youtube.com/watch?v=p2LATm1ckk4>

Group no. 05- Roll No. (9, 14, 19, 24, 29) <https://www.youtube.com/watch?v=7oj6gpAbYgw>

#### **Subject- English (Listening Test-2025)**

**Class-XII**

**Time – 10 Minutes**

**M.M-10**

Instructions: - Listen to the video and answer the following questions.

**Types of questions – MCQ-2, Complete the statement- 2, Vocabulary based- 2, short answers-4**

**Questions should be designed from the middle and concluding part of the video.**

## MATHEMATICS

**General Instructions: All questions are compulsory ( each carry 1 marks)**

**Note: Do all questions in your Maths notebook.**

**Time Duration per day**

**Day-1- 30 minutes , No. Of questions -3**

**Day-2- 30 Minutes, No. Of questions -3**

**Day-3- 30 minutes , No. Of questions -3**

**Day-4- 30 Minutes r, No. Of questions -3**

**Day-5- 30 Minutes No. Of questions -3**

**Day-6- 30 Minutes, No. Of questions -3**

**Day-7- 30 Minutes, No. Of questions -3**

**Day-8- one hour, No. Of questions -4**

**Total time: 4 hours**

1- If  $A = \mathbb{R} - \{3\}$  and  $B = \mathbb{R} - \{1\}$ , consider the function  $f: A \rightarrow B$  defined by  $f(x) = \frac{x-2}{x-3}$ , for all  $x \in A$ . Then show that  $f$  is bijective.

2- Let  $R$  be a relation defined on a set  $N$  of natural numbers such that  $R = \{(x, y) : xy = \text{is a square of a natural number; } x, y \in N\}$ . Determine if the relation  $R$  is an equivalence relation.

3- If  $Z$  is the set of all integers and  $R$  is the relation on  $Z$  defined as  $R = \{(a, b) : a, b \in Z \text{ and } a - b \text{ is divisible by } 5\}$ . Prove that  $R$  is an equivalence relation.

4- A student wants to pair up natural numbers in such a way that they satisfy the equation  $2x + y = 41$ ;  $x, y \in \mathbb{N}$ . Find the domain and range of the relation. Check if the relation thus formed is reflexive, symmetric and transitive. Hence, state whether it is an equivalence relation or not.

5 - Find the domain of  $f(x) = \sin^{-1}(-x^2)$ .

6 - Write the value of  $\cot^2(\operatorname{cosec}^{-1}3) + \sin^2[\cos^{-1}(1/3)]$ .

7 - Find the Domain of  $f(x) = \cos^{-1}x + \sin x$ .

8 - Write the principal value of  $\cos^{-1}(\cos 2\pi/3) + \sin^{-1}(\sin 2\pi/3)$ .

9 - If  $A$  and  $B$  are two square matrices each of order 3 with  $|A| = 3$  and  $|B| = 5$ , then  $|2AB|$  is .

10 - Write the number of all possible matrices of order  $2 \times 2$ , with each entry 1, 2, 3.

11 - Construct a  $3 \times 3$  matrix  $A = [a_{ij}]$ , whose elements  $a_{ij}$  are given by  $a_{ij} = \frac{|i-j|}{2}$ .

12 – If a matrix  $A = \begin{bmatrix} 1 & -1 \\ -1 & 1 \end{bmatrix}$  and  $A^2 = Ka$ , then write the value of k.

13 – If  $\begin{bmatrix} 2 & 7 \\ 5 & 3 \end{bmatrix} \begin{bmatrix} 1 & -3 \\ -2 & 4 \end{bmatrix} = \begin{bmatrix} -4 & 6 \\ -9 & x \end{bmatrix}$ , write the value of x.

14 – If  $A = \begin{bmatrix} 2 & 0 & 1 \\ 2 & 1 & 3 \\ 1 & -1 & 0 \end{bmatrix}$ , then find the value of  $A^2 - 3A + 2I$ .

15 – Express the matrix  $A = \begin{bmatrix} 2 & 4 & -6 \\ 7 & 3 & 5 \\ 1 & -2 & 4 \end{bmatrix}$  as the sum of a symmetric and skew symmetric matrix.

16 – If  $A = \begin{bmatrix} 1 & 2 \\ 3 & -1 \end{bmatrix}$  and  $B = \begin{bmatrix} 1 & 3 \\ -1 & 1 \end{bmatrix}$ , write the value of  $|AB|$ .

17 – If  $\begin{vmatrix} 2x & 5 \\ 8 & x \end{vmatrix} = \begin{vmatrix} 6 & -2 \\ 7 & 3 \end{vmatrix}$ , then write the value of x.

18 – Let  $2x + 5y - 1 = 0$  and  $3x + 2y - 7 = 0$  represent the equations of two lines on which the ants are moving on the ground. Using matrix method, find a point common to the paths of the ants.

19 – Find the equation of the line joining A (1,3) and B(0,0) using determinants and find the value of k if D (k,0) is a point such that area of  $\triangle ABD$  is 3 square units.

20 – Find  $|\text{adj } A|$  if  $A = \begin{bmatrix} 5 & 2 \\ 7 & 3 \end{bmatrix}$ .

21 – If A is a square matrix of order 3 such that  $|\text{adj } A| = 64$ , then find  $|A|$ .

22 – Find the adjoint of the matrix  $A = \begin{bmatrix} -1 & -2 & -2 \\ 2 & 1 & -2 \\ 2 & -2 & 1 \end{bmatrix}$ , and hence show that  $A (\text{adj}A) = |A| I_3$ .

23 – Use the product of matrices  $\begin{bmatrix} 1 & 2 & -3 \\ 3 & 2 & -2 \\ 2 & -1 & 1 \end{bmatrix} \begin{bmatrix} 0 & 1 & 2 \\ -7 & 7 & -7 \\ -7 & 5 & -4 \end{bmatrix}$  to solve the following system of equations  $x + 2y - 3z = 6$ ,  $3x + 2y - 2z = 3$ ,  $2x - y + z = 2$

24 – If  $A = \begin{bmatrix} 1 & 2 & 1 \\ -1 & 1 & 1 \\ 1 & -3 & 1 \end{bmatrix}$ , then find  $A^{-1}$  and hence solve the system of equations ;  $x + 2y + z = 4$ ,  $-x + y + z = 0$ ,  $x - 3y + z = 4$

25- Case Study questions of 4 marks each. 36. Three students, Neha, Rani and Sam go to a market to purchase stationary items. Neha buys 4 pens, 3 notepads and 2 erasers and pays `60. Rani buys 2 pens, 4 notepads and 6 erasers for `90. Sam pays `70 for 6 pens, 2 notepads and 3 erasers. Based upon the above information, answer the following questions.

1-Form the equations required to solve the problem of finding the price of each item, and express it in the matrix form  $AX = B$ .

(ii) Find A and confirm if it is possible to find  $A^{-1}$ .

(iii) (a) Find  $A^{-1}$ , if possible, and write the formula to find X. OR

(iii) (b) Find  $A^2 - 8I$ , where I is an identity matrix.



## HOMESCIENCE

### 1.PRACTICAL

(15)

#### Aim

Preparation and use of one teaching aid to communicate socially relevant messages for children/ adolescent /adults in the community.

**Suggestions for Students: It can be chart, poster, PPT, leaflet, Pamphlet. Puzzles can also be made out of drawings that are taken from the newspaper or magazines. Cut pictures can also be used to make a scrap book with cut pictures and drawings. Some ideas for scrap books are a collection called my family, or my school, or my neighbourhood, village. Pictures of fruits, animals, household objects, natural things, can be used for several activities like these.**

#### Assessment criteria

**Content 5**

**Presentation 5**

**Authentication 5**

### 1. Practical

(10)

AIM: Preparation of one article of each using applied textile design technique (Tie and Dye). For example:- Handkerchief, Dupatta, Table cloth, Saree, Curtains(set of 2).

Task: Learning the different techniques of tie and dye

Theory: The oldest form of designing with colour is resist dyeing. The resist material could be thread, pieces of fabric, or substances such as clay and wax that offer physical resistance. The most common method of resist is tying with thread. Tie and dye is the name of a technique in which the areas to be in pattern are resisted by means of tightly wound thread. When dipped into dye, the resisted areas retain the original colour of the ground. You may recall from Class XI, Bandhani, chunari, laheria are some of the names of materials in which the pattern is created by tie-dyeing the fabric after it is woven. A typical tie and dye design is bandhej where the patterns comprise of innumerable dots; another is the laheria type where the pattern is in the form of diagonal stripes. Gujarat and Rajasthan are the homes of this type of fabrics.

#### Purpose

- a) To learn the concept of tie and dye
- b) To learn the process of tie and dye through various techniques

#### Conducting the Practical

As a modern day craft, numerous techniques of tying are employed to get variegated effects. Resist can be offered by using threads of different thicknesses, or by the material itself through knotting, crumpling or folding and then tying over it. Some of the techniques are described below:

**Knotting:** It is one of the easiest and quickest ways of producing the design. Knots can be tied in several ways depending on the size, shape and grain of the fabric. The best results are achieved on fine fabric. It creates shaded circular patterns.



### **Knotting method**

### **Binding method**

**Binding:** Certain parts of fabric are bound very tightly with thread before dying. Binding can be done in the form of a dot, a band, line, criss-cross or spiral. Designs are like stripes – straight or diagonal (lehria), circles or spots (bandhej).

### **Assessment criteria**

### **Article making. 5**

### **Article design 3**

### **Article presentation 2**

**NOTE:** For queries can contact on 9997119599

## HINDI

- नोट :- 1. कार्य को रंगीन शीट अथवा स्क्रेपबुक अथवा फाईल पेज में संकलित करें।  
2. कार्य करते समय चित्र, रंग, रचनात्मकता तथा मौलिकता को प्राथमिकता दें।

प्रश्न 1) मेरा प्रिय लेखक/कवि (पोस्टर निर्माण कार्य)

- निम्न में से किसी एक साहित्यकार का चयन करें – हरिवंश राय बच्चन, महादेवी वर्मा, मन्नू भण्डारी, सूर्यकांत त्रिपाठी "निराला", धर्मवीर भारती
- साहित्यकार का चित्र, संक्षिप्त जीवन परिचय, प्रमुख रचनाओं का उल्लेख करें।
- पोस्टर(चित्र) को रंगीन, कलात्मक व आकर्षक बनाएँ।

प्रश्न 2) कविता वाचन और अभिव्यक्ति (वीडियो गतिविधि)

- पाठ्यपुस्तक से अपनी पसंद की कोई एक कविता चुनें।
- उसका भाव समझें तथा 1-2 मिनट की वीडियो बनाएँ।
- उच्चारण, गति और भाव-भंगिमा पर ध्यान दें।

प्रश्न 3) रचनात्मक लेखन (कोई एक विकल्प चुनिए)

- विकल्प 1- एक प्रेरणादायी कहानी लिखिए (चित्र सहित)
- विकल्प 2- वाद-विवाद-“क्या भारत की शिक्षा नीति में बदलाव की आवश्यकता है”

प्रश्न 4) प्रश्नलेखन कौशल

- एक ए-4 शीट पर “कैसे लिखें प्रभावशाली उत्तर?” पर पोस्टर बनाएँ
- उत्तर लिखने की संरचना, भाषा शैली, प्रमुख बिंदु आदि सम्मिलित करें।

प्रश्न 5) व्याकरण पर आधारित:-

- जनसंचार माध्यमों का सचित्र वर्णन करें।
- चित्र सहित प्राचीन, मध्यकालीन व आधुनिक जनसंचार माध्यमों को दर्शाएँ।
- जनसंचार माध्यमों की महत्वता को समझाएँ।

## ACCOUNTANCY

**MM:25 Marks**

**Duration- 3 Hours**

**Note- Do all these questions in a Separate notebook and show all Working notes clearly.**

- Radha and Raman are partners in a firm sharing profits and losses in the ratio of 5:2. Capital contributed by them is Rs. 50,000 and Rs. 20,000 respectively. Radha was given salary of Rs. 10,000 and Raman Rs. 7,000 per annum. Radha advanced loan of Rs. 20,000 to firm without any agreement to rate of interest in deed while in deed rate of interest on capital was mentioned as 6% p.a. Profits for the year are Rs. 29,400. Prepare Profit and Loss Appropriation Account for the year ending 31st March 2015. Prepare Profit and Loss Appropriation account For the year ending o 31.03.2015.(2)
- Ram & Sham are partners sharing profits & losses in ratio of 3:2. Ram being non-working partner contributes Rs. 20, 00,000 as his capital & Shyam being a working parties, gets a salary of Rs. 8000 per

month. As per partnership deed interest is paid @ 8% p.a. & salary is allowed. Profits before providing that for year ending 31st March 2015 were Rs. 80,000. Show the distribution of profits.

Prepare Profit & Loss Appropriation Account for the year ended 31.3.15. (2)

3. X and Y invested Rs. 20,000 & Rs. 10,000. Interest on capital is allowed @ 6% per annum. Profits are shared in ratio of 2: 3. Profits for year ending 11.3.2015 is Rs. 1,500. Show allocation of profits when partnership deed.(a) Allows interest on capital & deed is silent on treating interest as charge.(b) Interest is charge against profit.(2)

4. A and B are partners in business. Their capitals at the end of year were Rs. 48,000 & Rs. 36,000 respectively. During the year ended March 31st 2015 A's Drawings and B's drawings were Rs. 8, 000 & Rs. 12, 000 respectively. Profits before charging interest on capital during the year were Rs. 32, 000.

Calculate Interest on partners' capitals @ 10% p.a.(2)

5. A and B entered into partnership on 1st April, 2014 without any partnership deed. They introduced capitals of Rs. 5, 00,000 and Rs. 3, 00,000 respectively. On 31st October, 2014, A advanced Rs. 2,00,000 by way of loan to the firm without any agreement as to interest. The Profit and Loss Account for the year ended 31-03-2015 showed a profit of Rs. 4,30,000 but the partners could not agree upon the amount of interest on Loan to be charged and the basis of division of profits. Pass a Journal Entry for the distribution of the Profits between the partners and prepare the Capital A/c of both the partners and Loan A/c of 'A'.(2)

6. Ram, shyam & Mohan are partners in a firm sharing profit & losses in the ratio of 2:1:2. Their fixed capitals were Rs. 3, 00,000, Rs. 1, 00,000 and Rs. 2, 00,000 respectively. Interest on capital for the year ending 31<sup>st</sup> March, 201 was credited to them @ 9% p.a. instead of 10% p.a. The profits for the year before charging interest was Rs. 2, 50,000. Prepare necessary adjustment entry.(2)

7. A and B were partners in a firm sharing profits and losses in the ratio of 3:2. They admit C for 1/6th share in profits and guaranteed that his share of profits will not be less then Rs. 25,000. Total profits of the firm for the year ended 1st March, 2015 were Rs. 90,000. Calculate share of profits for each partner when.(1)

8. A earns Rs. 1, 20,000 as its annual profits, the rates of normal profit being 10%. The assets of the firm amounted to Rs. 14, 40,000 and liabilities to Rs. 4, 80,000. Find out the value of goodwill by capitalization method.(1)

9. On April 1<sup>st</sup>, 2014 an existing firm had assets of Rs. 75,000 including cash of Rs. 5,000. The partners' capital accounts showed a balance of Rs. 60,000 and reserves constituted the rest. If the normal rate of return is 20% and the goodwill of the firm is valued at Rs. 24,000 at 4 years purchase of super profits, find the average profits of the firm.(1)

10. M/s Aradhya having the assets of Rs 10,00,000 and Liabilities of Rs 4,20,000. The firm earns the annual profit of Rs. 90,000. The rate of interest expected from the capital having regard to the risk involved is 15%. Calculate the amount of Goodwill by Capitalisation of Super Profit method.(1)

11. X and Y are partners in a firm sharing profits in the ratio of 3:2. They decided to share future profits equally. On the date of change in the profit-sharing ratio, the Profit and Loss Account showed a debit balance of Rs 50,000. Pass the necessary Journal entry for the distribution of the balance in the Profit and Loss Account immediately before the change in the profit-sharing ratio.(1)

12. Anant, Gulab and Khushbu were partners in a firm sharing profits in the ratio of 5: 3: 2. From 1st April, 2014, they decided to share the profits equally. For this purpose, the goodwill of the firm was valued at 2,40,000. Pass necessary journal entry for the treatment of goodwill on change in the profit sharing ratio of Anant, Gulab and Khushbu.(2)

13. A and B were partners in a firm sharing profits in the ratio of 3: 2. C and D were admitted as new partners. A sacrificed 14th of his share in favour of sacrificed 50% of his share in favour of D Calculate the new profit sharing ratio of A, B, C and D. (2)

14. Amit and Beena were partners in a firm sharing profits and losses in the ratio of 3: 1 Chaman was admitted as a new partner for 2/5th share in the period. Chaman acquired 2/5th of his share from Amit. How much share did Chaman acquire from Beena?(2)

15. Nishtha and Anshu were partners sharing profits in the ratio of 3: 2. They admitted Jyoti as a new partner for 3/10th share which she acquired 2/10th from Nishtha and 1/10th from Anshu. Calculate the new profit sharing ratio of Nishtha, Anshu and Jyoti.(2)

## INFROMATION TECHNOLOGY

- Do the following PYQ's and additional Questions in your notebook. Most of the given questions require one word answer and this whole homework requires 30 minutes every day.

1. An individual's motivations, inspired by others or events is known as \_\_\_\_\_.
2. What is stress?
3. A \_\_\_\_\_ is a rectangle shaped box, where row and column meet in a spreadsheet.
4. \_\_\_\_\_ Command displays all the tables created in a current database.
5. \_\_\_\_\_ Symbol replaces a single character while matching a pattern with LIKE keyword.
6. An attribute value may not be permitted to be NULL value with \_\_\_\_\_ constraint.
7. Ranjana has written the following query but it is giving an error. Rectify the error and rewrite the query:  

```
SELECT * FROM PRODUCT
SORT BY PRICE;
```
8. "Database management system could not find any usage in hospital domain." Is the above statement true or false?
9. The \_\_\_\_\_ command is used to view the structure and description of table.
10. Define Referential Integrity.
11. Database can be removed by using \_\_\_\_\_ command.
12. Create table is a \_\_\_\_\_ command.
13. RDBMS package are widely used as \_\_\_\_\_ (frontend/ backend)
14. Write a query to modify the value of field 'dept' from 'marketing' to 'sales' in a table Department.
15. Mention any 2 steps to overcome personality disorder.
16. Mention any 2 significance of Database Management System.
17. The number of attributes in a relation is called the \_\_\_\_\_ of relation.
18. To avoid repetition in the result of SELECT query \_\_\_\_\_ clause is used.
19. Discuss any 3 main purposes of using Database application in education domain.
20. State role of DBA (Database Administrator)
21. Sana has given the following query but she is unable to execute it successfully. Write the correct query:  

```
SELECT NAME, MARKS
FROM STUDENT TABLE
WHERE NAME = "P%"
```
22. What is the purpose of HAVING clause? How is it different from WHERE clause in SQL?  
Give example to support your answer.
23. Write the use of database management in railways.
24. How are database management concept helpful in Telecommunications?
25. An airline company is making a database of its flights and staff. The staff table includes: Emp\_id, Emp\_Name, Emp\_dob, E\_sal. Give the details of flight table with its schema.
26. A group of words that communicate a complete meaning.
27. In the acronym 'SMART' to set goals, letter 'S' implies.
28. \_\_\_\_\_ is a state of feeling upset, annoyed and hopeless.
29. Which command is used to delete the table from database?
30. The \_\_\_\_\_ aggregate function in SQL is used to find the average of all the values for an attribute in table.
31. In SQL, \_\_\_\_\_ constraint is used to restrict the values within a range in a relation.
32. Sohan has created a table, STUDENT in RDBMS. He now wants to add another field, PERCENTAGE, which is of type integer, to complete the table. Write the command that will help Sohan to complete the task.
33. The number of rows in a relation is called \_\_\_\_\_ of a relation.
34. Name any two domains where database applications may be used.
35. To show the structure of created table in a database, \_\_\_\_\_ command is used.

36. Write the SQL command to display all the details of teachers from the table 'Teacher' whose salary is greater than 15000.
37. While creating a table in MYSQL database. Sudha wants to set the value for the age as 0. This value will be inserted if no value of age is given by the user. Suggest a constraint that Sudha can use to complete the task.
38. What are the different stages of active listening? Write the names of the four stages.
39. Differentiate between CHAR(n) and VARCHAR(n) data type of MYSQL. Give example to support the answer.
40. Vikrant has given the following query but it had errors. Rectify the error and underline the correction:

```
SELECT name, age
FROM teacher
WHERE name = "_a%";
```

41. Explain the GROUP BY clause in SQL with example.
42. Consider the question:

- a) Write an SQL command to create a table TravelAgency whose description is given below:

AgentCode	CHAR(4)	PRIMARY KEY
AgentName	VARCHAR(20)	NIT NULL
Location	VARCHAR(25)	
Package	VARCHAR(30)	
Charges	Decimal	

- b) Write the command to add a new row to table TravelAgency with following values ("A005", "Raman", "Grover Travel", "Domestic", 8000)
- c) Write a query to remove the column package from the table TravelAgency.

- Using Internet do 15 Queries related to database in your notebook.
- Project work/file:

**Guidelines:**

**The file should consist of Introduction page, Acknowledgement page, Index, and 6 to 8 pages of proper explanation.**

**1. Arts**

- Roll No – 1 to 6 Database Concept
- Roll No – 7 to 12 Operating Web
- Roll No – 13 to 18 Fundamental of Java.

**2. Commerce**

- Roll No – 1 to 7 Database Concept
- Roll No – 8 to 14 Operating Web
- Roll No – 15 to 20 Fundamental of Java

**3. Science**

- Roll No – 1 to 8 Database Concept
- Roll No – 9 to 16 Operating Web
- Roll No – 17 to 24 Fundamental of Java

- Marks Distribution:-

Neatness	Proficiency	On Time	Accurate Data	Personal effect
5	5	5	5	5