MODERN PUBLIC SCHOOL

SEC-37 FARIDABAD

HOLIDAY HOMEWORK

CLASS-12TH

SUBJECT-ACCOUNTANCY

SESSION-2024-25

Ques1. X and Y were partners in a firm sharing profits and losses in the ratio of 3:2. They admit Z 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 31st March 2015 were Rs. 90,000. Calculate share of profits for each partner when.

1. Guarantee is given by firm.

2. Guarantee is given by X

3. Guarantee is given by X and Y equally.

Ques-2 Where would you record interest on drawings when capitals are fluctuating?

Ques-3 X,Y and Z sharing profits in the ratio 3:2:1 respectively. Z wants that profits be shared equally. and it should be applicable retrospectively from the last three years. Other partners have no objection to this. Profits for the last three years were Rs 1,20,000, Rs 94,000 and Rs 1.10,000 respectively. Record adjustment that means of a journal entry and show the working notes.

Ques-4 . Distinguish Between Average Profit Method and Super Profit Method.

5. Following is the Balance Sheet of Shashi and Ashu sharing profit as 3: 2.

LIABILITIES	Amount	ASSETS	Amount
Creditors	18,000	Debtors 22,000 Less:Provision for DD 1,000	21,000
General reserve	25,000	Land and building	18,000
W. C. F	15,000	Plant and machinery	12,000
Capital: shashi15,000 Ashu 10,000	25,000	Stock	11,000
		Bank	21,000
	83,000		83,000

On admission of Tanya for 1/6th share in the profit it was decided that.

(i) Provision for doubtful debts to be increased by Rs. 1,500.

(ii) Value of land and building to be increased to Rs. 21,000.

(iii) Value of stock to be increased by Rs. 2,500.

(iv) The liability of workmen's compensation fund was determined to be Rs. 12.000.

(v) Tanya brought in as her share of goodwill Rs. 10,000 in cash.

(vi) Tanya was to bring further cash of Rs. 15,000 for her capital.

Prepare Revaluation A/c, Capital A/cs and the Balance Sheet of the new firm.

Ques-6 When a new partner is admitted, the balance of general reserve appearing in the balance sheet at the time of admission is credited to which account?

Ques-7. Why are assets and liabilities revalued at the time of admission of a partner?

NOTE:- Holiday homework to be submitted latest by 1stJuly 2024

Holiday Home Work (2024)

Subject-Business Studies

Class-12

BUSINESS ENVIRONMENT

1. What is included in 'Political Environment of business? State

2. What is included in 'Legal Environment of Business? State

3. What is meant by business environment?

4. What is meant by 'Privatisation"?

Four Marks Questions

5. Why is the understanding of business environment important for managers? Explain with the help of any four points.

6. With change in the consumption habits of people, Neelesh, who was running a sweet shop shifted to chocolate business. On the eve of Diwali he offered chocolates in attractive packages at reasonable prices. He anticipated huge demand and created a website 'chocolove.com' for taking orders online. He got a lot of orders online and earned huge profit by selling chocolates. Identify and explain the dimensions of business environment discussed in the above case.

7. What is meant by 'business environment? State any three points of its importance

8. A recent rate cut in the interest on loans announced by the Banks encouraged Amit, a science student of Progressive School to take a loan from State Bank of India to experiment and develop cars to be powered by fuel produced from garbage. He developed such a car and exhibited it in the Science Fair organized by Directorate of Education. He was awarded first prize for his invention.

Identify and explain the dimensions of business environment discussed in the above case

9. Beni, after completing her MBA, took up a job with a multinational company named 'Fortio". The company was paying good salary and perks to its employees. The wages were within the paying capacity of the company that provided the employees a reasonable standard of living. The company also had a good work-culture and the behaviour of superiors was very good towards their subordinates. Beni was very happy in this organization, but due to long working hours she did not have time to cook her meals. She had to depend on outside food, which was deteriorating her health.

She observed that this problem was faced by many of her colleagues, not only in her company but also in many other companies. This was because of increase in the number of working women and non-availability of hygienic home-cooked food. She identified this as a great opportunity and decided to give up her job to supply packaged home-cooked food to office goers at a reasonable price. At the end of the day she was also distributing the left over food in the nearby night-shelters.

(a) State the dimension of business environment being discussed above.

(b) State the principle of management being followed by Fortio.

PLANNING:

1. What are the main points in the definition of planning?

2. How does planning provide direction?

3. Do you think planning can work in a changing environment?

4. If planning involves working out details for the future, why does it not ensure success

5. Why are rules considered to be plans?

6. What kinds of strategic decisions are taken by business organisations.

7.Why is it that organisations are not always able to accomplish all their objectives.

8. What are the main features to be considered by the management while planning?

9. What are the steps taken by management in the planning process?

10. Is planning actually worth the huge costs involved? Explain

11. Give the meaning of 'Policy' as a type of plan.

12. Give the meaning of 'Objective' as a type of plan.

13. Define Planning:

14. Give the meaning of 'Programme as a type of plan.

15. Give the meaning of 'Method' as a type of plan.

MODERN PUBLIC SCHOOL

Sector-37 Faridabad

Holiday Homework

XII Economics

Session- 2024-25

1. GDP does not give us a clear indication of economic welfare of a country. Defend or refute with reasons.

2. Giving reasons explain how the following should be treated in estimation of national income:-

(a) Payment of interest by a firm to a bank

(b) Payment of interest by a bank to an individual

(c) Payment of interest by an individual to a bank

(d) Purchase of refrigerator buy a form for own use

(e) Purchase of second hand car by a household

(f) Dividend received by an Indian from his investment in shares of a foreign company.

(g) Money received by a family in India from

relatives working abroad.

(h) Interest received on loans given to a friend for purchasing a car.

(i) Dividend received by a foreigner from investment in shares of an Indian company.

(j) Profit earned by a branch of an Indian bank in Canada.

(k) Scholarship given to Indian students studying in India by a foreign company.

(l) Fees received from students.

(m) Profits earned by branch of a foreign bank.

(n) Interest paid by an individual on a loan taken to buy a car.

(o) Expenditure on machines for installation in a factory.

(p) Profit earned by a branch of foreign bank in India.

(q) Payment of salaries to its staff by an embassy located in New Delhi.

3. Which among the following are final goods and

which are intermediate goods? Give reasons -:

(a) Sugar purchased by a hotel

(b) Bus purchase by a school

(c) Samosa purchased by a student from the school canteen.

(d) Flour purchased by a confectionery shop.

4. Distinguish between chequable deposits and non-chequable disposits.

5. What is the difference between repo rate, bank rate and reverse repo rate.

6. RBI has recently reduced the bank rate from 6% to 5% in India. Analyse it's economic value from view point of (a) households, (b) investors and (c) Economy.

7. Find Net Value added at market price :

(i) Output sold (units) 800

(ii) Price per unit of output (Rs.) 20

(iii) GST (Rs.) 1600

(iv) Import duty (Rs.) 400

(v) Net change in stock (Rs.) (–) 500

(vi) Depriciation (Rs.) 1000

(vii) Intermediate cost (Rs.) 8000

8. Items (₹ in crore)

i) Compensation of employees 2,000

ii) Profit 800

iii) Rent 300

iv) Interest 250

v) Mixed income of self employed 7000

vi) depreciation. 100

vii) Net Exports – 100

viii) Net indirect taxes 1,500

ix) Net Factor income to abroad 60

Modern Public School

Holiday Homework (2024-25)

Class XII Sub- English

Q1. R.J Public School is located in a Central Government Employees Residential Colony. The Cultural Society of the school has decided to organise a fancy dress show in which each participant will wear the dress particular of his/her region. The aim is to show the cultural diversity in India. As the Secretary, write a notice inviting the names of those who want to participate.

Q2. Every teenager has a dream of becoming something in life. What they are going to become tomorrow, depends on what our youth dream today. Write an article in 120-150 words on 'What I want to be in life?' . You are Rohan/ Rohini.

Q3. You are a resident of Mahalakshmi Apartments, Patparganj, Delhi. Your residential area is flooded with roadside dwellers who are deprived of the basic civic amenities like light, public toilets and bathrooms. Write a letter to the Editor of The Hindustan Times, highlighting the problems of these roadside dwellers, and also the problems posed by them to the public. Give suggestions for improvement.

Q4. It takes years of strong will power, hardwork and determination to become William Douglas. Justify this statement in the light of the story 'Deep Water'.

Q5. Evaluate the theme of linguistic chauvinism as reflected in the story 'The Last Lesson'.

Q6. Certain traditions and lineage condemn thousands of children to a life of abject poverty and choke their aspirations. Do you agree ? How can we change this ? Suggest some ways to tackle this issue?.

Q7. Analyse the portrayal of power and its consequences in the story 'The Tiger King' by Kalki.

Q8. Prepare a project file on the topics discussed in class.Make it neatly and show your creativity.

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MODERN PUBLIC SCHOOL SEC-37 FBD (HR)

SUB- MATHS (Holiday Homework 2024-25)

CLASS -XII

CHAPTER – 5

1. $y = x^{\log x} + (\log x)^x$
2. $y = x^x + x^{1/x}$
3. if $x^{16}y^9 = (x^2 + y)^{17}$, prove that
   $x\frac{dy}{dx} = 2y$
4. if $x^{13}y^7 = (x + y)^{20}$, prove that $\frac{dy}{dx} = \frac{y}{x}$
5. if $x^x + y^x = 1$, prove that
   $\frac{dy}{dx} = -\left\{\frac{x^x(1+\log x) + y^x \cdot \log y}{x \cdot y^{(x-1)}}\right\}$
6. if $y = \sin(x^x)$, prove that
   $\frac{dy}{dx} = \cos(x^x) \cdot x^x(1 + \log x)$
7. If $x^y + y^x = (x + y)^{x+y}$, find $\frac{dy}{dx}$
8. If $x^y \cdot y^x = 1$, prove that
   $\frac{dy}{dx} = -\frac{y(y + x\log y)}{x(y\log x + x)}$
9. If $y^x = e^{y-x}$, prove that
   $\frac{dy}{dx} = \frac{(1+\log y)^2}{\log y}$
10. If $x^m y^n = 1$, prove that $\frac{dy}{dx} = -\frac{my}{nx}$
11. If $(\cos x)^y = (\tan y)^x$, prove that
    $\frac{dy}{dx} = \frac{\log\tan y + y\tan x}{\log\cos x - x\sec y\,\mathrm{cosec}\,y}$
12. If $(\sin x)^y = (\cos y)^x$, prove that
    $\frac{dy}{dx} = \frac{\log\cos y - y\cot x}{\log\sin x + x\tan y}$
13. If $e^y = y^x$, prove that $\frac{dy}{dx} = \frac{(\log y)^2}{\log y - 1}$
14. If $e^x + e^y = e^{x+y}$, prove that $\frac{dy}{dx} + e^{y-x} = 0$
15. If $y = x\sin(a + y)$, prove that $\frac{dy}{dx} = \frac{\sin^2(a+y)}{\sin(a+y) - y\cos(a+y)}$
16. If $e^{x+y} - x = 0$, prove that $\frac{dy}{dx} = \frac{1-x}{x}$
17. If $(\sin x)^y = x + y$, prove that $\frac{dy}{dx} = \frac{1-(x+y)y\cot x}{(x+y)\log\sin x - 1}$
18. If $x\sin(a + y) + \sin a\cos(a + y) = 0$, prove that $\frac{dy}{dx} = \frac{\sin^2(a+y)}{\sin a}$
19. If $y = x\sin y$, prove that $\frac{dy}{dx} = \frac{y}{x(1 - x\cos y)}$
20. If $xy\log(x + y) = 1$, prove that $\frac{dy}{dx} = -\frac{y(x^2y + x + y)}{x(xy^2 + x + y)}$
21. If $y = \log\frac{x^2 + x + 1}{x^2 - x + 1} + \frac{2}{\sqrt{3}}\tan^{-1}\left(\frac{\sqrt{3}x}{1 - x^2}\right)$, find $\frac{dy}{dx}$
22. Find the derivative of the function f(x) given by
    $f(x) = (1 + x)(1 + x^2)(1 + x^4)(1 + x^8)$ and hence find $f'(1)$

23. If $xy = e^{x-y}$, find $\frac{dy}{dx}$

24. If $y = (\sin x - \cos x)^{\sin x - \cos x}$, $\frac{\pi}{4} < x < \frac{3\pi}{4}$, find $\frac{dy}{dx}$

25. If $y^x + x^y + x^x = a^b$, find $\frac{dy}{dx}$

ANSWER

1. $x^{\log x}\left\{\frac{2\log x}{x}\right\} + (\log x)^x\left\{\log(\log x) + \frac{1}{\log x}\right\}$

2. $x^x(1 + \log x) + x^{1/x}\left\{\frac{1 - \log x}{x^2}\right\}$

7. $\frac{(x+y)^{(x+y)}\{1+\log(x+y)\} - yx^{y-1} - y^x \log y}{x^y \log x + xy^{x-1} - (x+y)^{x+y}\{1 + \log(x+y)\}}$

21. $\frac{4}{x^4 + x^2 + 1}$

22. $1 + 2x + 3x^2 + \ldots + 15x^{14}$, $f'(1) = 120$

23. $\frac{y(x-1)}{x(y+1)}$

24. $(\sin x - \cos x)^{\sin x - \cos x}\{(\sin x + \cos x)\log(\sin x - \cos x) + (\cos x + \sin x)\}$

25. $\frac{-y^x \log y + yx^{y-1} + x^x(1 + \log x)}{xy^{x-1} + x^y \log x}$

CHAPTER – 6

1. If $y = \sqrt{\cos x + \sqrt{\cos x + \sqrt{\cos x + \cdots \text{to } \infty}}}$, prove that $\frac{dy}{dx} = \frac{\sin x}{1 - 2y}$

2. If $y = \sqrt{x + \sqrt{x + \sqrt{x + \cdots \text{to } \infty}}}$, prove that $\frac{dy}{dx} = \frac{1}{2y-1}$

3. If $y = \sqrt{\tan x + \sqrt{\tan x + \sqrt{\tan x + \cdots \text{to } \infty}}}$, prove that $\frac{dy}{dx} = \frac{\sec^2 x}{2y - 1}$

4. If $y = \sqrt{\log x + \sqrt{\log x + \sqrt{\log x + \cdots \text{to } \infty}}}$, prove that $(2y - 1)\frac{dy}{dx} = \frac{1}{x}$

5. If $y = (\tan x)^{(\tan x)^{(\tan x)^{\cdots \infty}}}$, prove that $\frac{dy}{dx} = 2$ at $x = \frac{\pi}{4}$

6. If $y = (\sin x)^{(\sin x)^{(\sin x)^{\cdots \infty}}}$, prove that $\frac{dy}{dx} = \frac{y^2 \cot x}{(1 - y \log \sin x)}$

7. If $y = (\cos x)^{(\cos x)^{(\cos x)^{\cdots \infty}}}$, prove that $\frac{dy}{dx} = -\frac{y^2 \tan x}{(1 - y \log \cos x)}$

8. If $y = e^{xe^{xe^x}} + e^{e^{e^x}} + e^{x^{xe}}$, prove that $\frac{dy}{dx} = e^{xe^{xe^x}} \cdot x^{e^{xe^x}}\left\{\frac{e^x}{x} + e^x \cdot \log x\right\} + x^{e^{e^x}} \cdot e^{e^{e^x}}\left\{\frac{1}{x} + e^x \cdot \log x\right\} + e^{x^{xe}} \cdot x^{x^{xe}} \cdot x^{e-1}\{1 + e \log x\}$

CHAPTER - 7

Find $\frac{dy}{dx}$, when

1. $x = a(\theta + \sin\theta)$ and $y = a(1 - \cos\theta)$
2. $x = at^2$ and $y = 2at$
3. $x = ae^{\theta}(\sin\theta - \cos\theta)$, $y = ae^{\theta}(\sin\theta + \cos\theta)$
4. $x = a\cos\theta$ and $y = b\sin\theta$
5. $x = a(1 - \cos\theta)$ and $y = a(\theta + \sin\theta)$ at $\theta = \frac{\pi}{2}$
6. $x = b\sin^2\theta$ and $y = a\cos^2\theta$
7. $x = \frac{3at}{1 + t^2}$ and $y = \frac{3at}{1 + t^2}$
8. $x = \frac{e^t + e^{-t}}{2}$ and $y = \frac{e^t + e^{-t}}{2}$
9. $x = e^{\theta}\left(\theta + \frac{1}{\theta}\right)$ and $y = e^{-\theta}\left(\theta - \frac{1}{\theta}\right)$
10. $x = a(\cos\theta + \theta\sin\theta)$ and $y = a(\sin\theta - \theta\cos\theta)$
11. $x = \cos^{-1}\frac{1}{\sqrt{1 + t^2}}$ and $y = \sin^{-1}\frac{t}{\sqrt{1 + t^2}}$, $t \in R$
12. $x = \frac{2t}{1 + t^2}$ and $y = \frac{1 - t^2}{1 + t^2}$
13. if $x = 2\cos\theta = \cos 2\theta$ and $y = \sin 2\theta - \sin 2\theta$, prove that $\frac{dy}{dx} = \tan\left(\frac{3\theta}{2}\right)$
14. $x = \frac{1 - t^2}{1 + t^2}$ and $y = \frac{2t}{1 + t^2}$
15. if $x = \cos t$ and $y = \sin t$, prove that $\frac{dy}{dx} = \frac{1}{\sqrt{3}}$ at $t = \frac{2\pi}{3}$
16. if $x = e^{\cos 2t}$ and $y = e^{\sin 2t}$, prove that $\frac{dy}{dx} = -\frac{y\log x}{x\log y}$
17. if $x = \sin^{-1}\left(\frac{2t}{1 + t^2}\right)$ and $y = \tan^{-1}\left(\frac{2t}{1 - t^2}\right)$, $-1 < t < 1$, prove that $\frac{dy}{dx} = 1$
18. if $x = a\left(t + \frac{1}{t}\right)$ and $y = a\left(t - \frac{1}{t}\right)$, prove that $\frac{dy}{dx} = \frac{x}{y}$
19. if $x = \left(t + \frac{1}{t}\right)^a$ and $y = a^{\left(t + \frac{1}{t}\right)}$, find $\frac{dy}{dx}$
20. if $x = \frac{\sin^3 t}{\sqrt{\cos 2t}}$, $y = \frac{\cos^3 t}{\sqrt{\cos 2t}}$, find $\frac{dy}{dx}$
21. if $x = 10(t - \sin t)$, $y = 12(1 - \cos t)$
22. if $x = a\left(\frac{1 + t^2}{1 - t^2}\right)$ and $y = \frac{2t}{1 - t^2}$, find $\frac{dy}{dx}$

ANSWERS

1. $\tan\frac{1}{2}$ 2. $\frac{1}{t}$ 3. $\cot\theta$ 4. $-\frac{b}{a}\cot\theta$ 5. 1 6. $-\frac{a}{b}$

7. $\frac{2t}{1-t^2}$ 8. $\frac{x}{y}$ 9. $e^{-2\theta}\frac{(\theta^2-\theta^3+\theta+1)}{(\theta^3+\theta^2+\theta-1)}$ 10. tan θ 11. 1

12. $-\frac{x}{y}$ 15. $\frac{t^2-1}{2t}$ 19. $\frac{a^{t+\frac{1}{t}}\log a}{a\left(t+\frac{1}{t}\right)^{a-1}}$ 20. – cot 3t 21. $\frac{6}{5}\cot\left(\frac{t}{2}\right)$

23. $\frac{1+t^2}{2at}$

CHAPTER – 8

1. Differentiate $\tan^{-1}\left(\frac{1+ax}{1-ax}\right)$ with respect to $\sqrt{1+a^2x^2}$
2. Differentiate $\sin^{-1}\left(\frac{2x}{1+x^2}\right)$ with respect to $\cos^{-1}\left(\frac{1-x^2}{1+x^2}\right)$, if $0 < x < 1$
3. Differentiate $\tan^{-1}\left(\frac{2x}{1-x^2}\right)$ with respect to $\cos^{-1}\left(\frac{1-x^2}{1+x^2}\right)$, if $0 < x < 1$.
4. Differentiate $\sin^{-1}(2x\sqrt{1-x^2})$ with respect to $\tan^{-1}\left(\frac{x}{\sqrt{1-x^2}}\right)$, if $-\frac{1}{\sqrt{2}} < x < \frac{1}{\sqrt{2}}$
5. Differentiate $\tan^{-1}\left(\frac{\cos x}{1+\sin^2}\right)$ with respect to $\sec^{-1}x$.
6. Differentiate $\tan^{-1}\left(\frac{x-1}{x+1}\right)$ with respect to $\sin^{-1}(3x-4x^3)$, if $-\frac{1}{2} < x < \frac{1}{2}$
7. Differentiate $\cos^{-1}(4x^3-3x)$ with respect to $\tan^{-1}\left(\frac{\sqrt{1-x^2}}{x}\right)$, if $\frac{1}{2} < x < 1$
8. Differentiate $\sin^{-1}\left(\frac{2x}{1+x^2}\right)$ with respect to $\tan^{-1}\left(\frac{2x}{1-x^2}\right)$, if $-1 < x < 1$
9. Differentiate $\sin^{-1}\sqrt{1-x^2}$ with respect to $\cot^{-1}\left(\frac{x}{\sqrt{1-x^2}}\right)$, if $0 < x < 1$
10. Differentiate $\tan^{-1}\left(\frac{x}{\sqrt{1-x^2}}\right)$, with respect to $\sin^{-1}(2x\sqrt{1-x^2})$, if $-\frac{1}{\sqrt{2}} < x < \frac{1}{\sqrt{2}}$
11. Differentiate $\tan^{-1}\left(\frac{1-x}{1+x}\right)$ with respect to $\sqrt{1-x^2}$, if $-1 < x < 1$
12. Differentiate $\sin^{-1}(2ax\sqrt{1-a^2x^2})$ with respect to $\sqrt{1-a^2x^2}$, if $-\frac{1}{\sqrt{2}} < ax < \frac{1}{\sqrt{2}}$

ANSWER

1. $\frac{1}{ax\sqrt{1+a^2x^2}}$ 2. 1 3. 1 4. 2
5. $-\frac{x\sqrt{x^2-1}}{2}$ 6. $\frac{\sqrt{1-x^2}}{3(1+x^2)}$ 7. 3 8. 1
9. 1 10. ½ 11. $\frac{\sqrt{1-x^2}}{x(1+x^2)}$ 12. $-\frac{2}{ax}$

MODERN PUBLIC SCHOOL
CLASS-12 (Section-C)
HOLIDAYS HOMEWORK
SUBJECT-IT
(Set-A) (Rollno.-1 to 12)

1.Create a database named School.

2.Create a table Department (Dept_id (Primary key), Dept_name)

3.Create a table Teacher (Teacher_id, Teacher_ name, Gender, Salary, Date_of_Birth, dept_no (Foreign Key)

4.Insert the following records into the Department table.

(1,"Chemistry"), (2,"IT"), (3,"English"), (4,"Hindi")

5.Insert the following records into the Teacher table

(101,"Shanaya",'F',50000,'1984-08-11',1),

(102,"Alice",'F',45000,'1983-02-12',3),

(103,"Surbhi",'F',34000,'1985-06-05',2),

(104,"Tarun",'M',52500,'1984-04-12',NULL),

(105,"Puneet",'M',49500,'1976-06-30',4),

Write the following SQL queries:

1.To display the teacher_id,teacher_name and salary of all teachers (Select command)

2.To list the department name from department table (Select, Where)

3.Update the salary of teacher with teacher id 101 to 55000. (Update and where)

4.To show the name of all teachers starting from letter 'S'. (Like keyword)

5.To list the unique department name in the ascending order of their names. (Order by and Distinct keyword)

6.To show the details of those teachers where department number is NULL. (Select, NULL keyword)

7.To find the maximum and minimum salary of all the teachers. (Max, Min)

8.To Delete the record from teacher table where id is 102. (delete command)

9. To Increase the salary of a teacher Shanaya by 5000. (Update, where)

10.Add a column to the teacher table named age as Integer datatype. (Alter table command)

11.To count the number of teachers earning more than Rs.40000. (Count function)

12.To find the total salary of all teachers. (SUM function)

13.To list the name of all Departments in the descending order of their names. (Order by, DESC)

14.To display teacher name, Dept_id, and dept_name of all teachers with their respective department.(Join keyword)

15. To display the list of teachers having Department no. value is NULL.

MODERN PUBLIC SCHOOL
CLASS-12
HOLIDAYS HOMEWORK
(Set-B) (Rollno.-13 to 26)

1.Create a database named Railway.

2.Create a table Train (Train_id (Primary key), Station, varchar)

3.Create a table Counter (Ticket_id, Date, Cost, Train_No (Foreign Key))

4.Insert the following records into the Train table.

(0001,"Delhi"), (0002,"Mumbai"), (0003,"Jaipur"), (0004,"Dehradun")

5. Insert the following records into the Counter table.

("T1", '2024-04-12'500,0001), ("T2", '2024-04-12'450,0002), ("T3", '2024-04-12'550,NULL), ("T4", '2024-04-12'460,0004)

Write the following SQL queries:

1.To display the Train_id, and Station of Train table (Select)

2.To list all the records from Counter table (Select, Where).

3.To Update the cost of table Counter where Ticket_id is T2 to 570.

4.To show the name of all Stations starting from letter 'D'. (Like keyword)

5.To list the unique Station in the ascending order of their names. (Order by and Distinct keyword)

6.To show the details of Ticket id where Train number is NULL. (Select, NULL keyword)

7.To find the maximum and minimum cost from table Counter. (Max, Min)

8.To Delete the record from Counter table where Ticket id is T4. (delete command)

9. To Increase the cost by 50 where Ticket id is T3. (Update, where).

10.Add a column to the Counter table named Distance as Integer datatype. (Alter table command)

11. To count the total number of stations. (Count function)

12. To find the total cost of table Counter. (SUM function)

13.To list the name of all Stations in the descending order of their names. (Order by, DESC)

14.To display Station name, Ticket id, and Train no. of all stations with their respective Counter .(Join keyword)

15. To display the list of Ticket Id having Train no. value is NULL.

MODERN PUBLIC SCHOOL
CLASS-12
HOLIDAYS HOMEWORK
(Set-C) (Rollno. -27 to 37)

1.Create a database named Music.

2.Create a table Artist (Artist_id (Primary key), Artist_name)

3.Create a table Albums (Albums_id, Album_ name, ReleaseDate, Cost, Artist_no (Foreign Key))

4.Insert the following records into the Artist table.

(101,"Williams",102,"Adam",103,"WillSmith",104,"Arina")

5.Insert the following records into the Albums table

(A1,"Breaking Point", '2024-08-11',30000,101), (A2,"A New Horizon" '2024-08-11',35000,102), (A3,"Facing Fears" '2024-08-11',43000,NULL), (A4,"Under Pressure" '2024-08-11',25000,103),(A5,"In My Head" '2024-08-11',34000,104), (A6,"In My Head" '2024-08-11',34000,104)

Write the following SQL queries:

1.To display the Artist id, and Artist name of table Artist (Select)

2.To list all the records from Albums table (Select, Where).

3.To Update the cost of table Albums where Album_id is 103 to 570.

4.To show the name of all Albums starting from letter 'W'. (Like keyword)

5.To list the unique Album name in the ascending order of their names. (Order by and Distinct keyword)

6.To show the details of records where Artist number is NULL. (Select, NULL keyword)

7.To find the maximum and minimum cost of Album from Albums table . (Max, Min)

8.To Delete the record from Albums table where Album id is A4. (delete command)

9. To Increase the cost by 50 where Albums id is A3. (Update, where).

10.Add a column to the Albums table named Gender as Char datatype. (Alter table command)

11. To count the total number of Albums. (Count function)

12. To find the total cost from table Albums. (SUM function)

13.To list the name of all Albums in the descending order of their names. (Order by, DESC)

14.To display Album name, Album id of all Artists with their respective Albums .(Join keyword)

15. To display the list of Albums having Artist no. value is NULL.