
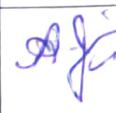
















SUMMER HOLIDAY HOMEWORK (SESSION 2024-25)

CLASS XII

S. NO.	TEACHER'S NAME	SUBJECT	HOME WORK	SIGN
1	Mr SK Choudhary	Physics	Students will have to solve questions and answers from Electro statistics. Sheet attached.	
2	Mr Jameel	PE	Q1 Draw a fixture for a knock out tournament of 29 teams by distributing in 4 quarters Q.2 Draw a fixture for a league tournament of 8 teams by tabular method Q.3 What are the responsibilities of various committees for conducting any event.	
3	Mr Vikrant	Maths	Questions from chapter 2 and 5 attached in sheet .(PDF file)	
4	Mr Vijay Sharma	Biology	Prepare Biology project file	
5	Mr K Raman	History	Project work & Map work	
6	Mrs Asha Onkar	Geography	Complete the chapters 1 and 2 in practical file of geography. Practice the map work of world and India. Practice of Application based and value based Q and A. Sheet attached.	
7	Mrs Roshni Modi/ Ms Richa Vaid	English	Assignment has been given based on writing skills- Notice, Letter to the Editor, Invitations Long Answer type Questions from the Chapters Last Lesson, My Mother at Sixty Six, The Third Level Sheet attached.	 
8	Dr. Pramod	Economics	Macro Economics- National Income Q.no 16 to 40. Indian Economic Development - Ch-1 all NCERT questions. MCQ, Assertion Reasoning, True and False, Ch1-2.	

9	Mrs Ravneet	Accounts	Assignment has been given, based on Case Studies, multi-disciplinary question and past CBSE question. Project Work Selecting a public sector company and studying its financial Statements. Sheet Attached	
10	Mrs Ravneet	BS	Assignment has been given, based on Case Studies, multi-disciplinary question and past CBSE question. Project Work on any one topic a) Principles of management b) Business Environment c) Stock Market d) Marketing Sheet Attached	
11	Mrs Samriti	Chemistry	Practice the questions and complete the textbook exercise of Electrochemistry and Chemical Kinetics	
12	Mr Rakesh Patidar	Pol Science	Practice the questions and complete the textbook exercise: 1. Cold war (one marks) 2. US hegemony (one marks) 3. Bipolarity (all three ch.1,2,4,6 marks) 4. Challenges of nation building 5. Era of one party dominance 6. Select topic of project file and collect materials of concern topics.	
13	Mr Kotkar	IP	Revise all matplotlib charts (Line Graph, Bar graph, Histogram, Scattered Graph, Pie chart etc.) for graphical representation of data	
14	Mr Kotkar	CS	<ul style="list-style-type: none"> • Revise syntax of all Inbuilt functions applicable for strings ,List, Tuples, Dictionary • Practices questions based on Looping statements and Decision making statements • Revise syntax of User defined and Inbuilt functions 	

15	Mrs Priyanka	Psychology	Case Study File 1. What is Case Study 2. Introduction about topic The given application based question have to be solved in the psychology notebook. Sheet attached 1. Movie Analysis of House of Secrets 2. Movie Analysis of The Beautiful Mind Prepare the report on both the movies. Note: Holiday homework has to submitted in a Psychology Notebook. Sheet attached	
16	Mr Rajeev Jha	Hindi	ग्रीष्म कालीन गृह कार्य*2024 विषय _हिंदी 1. परियोजना कार्य पूरा करके लाएं। 2. पढ़ाए गए सभी पाठों के प्रश्न _उत्तर लिखें और याद करें।	


Coordinator


Vice Principal


Principal

HOLIDAY HOMEWORK (MAY 2024)

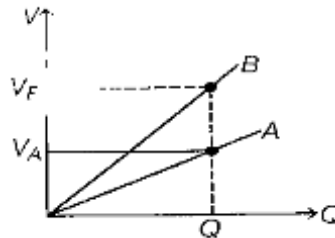
CLASS XII PHYSICS

(ELECTROSTATISTICS)

Q.1 The electric potential due to point charge 3nC at distance of 9cm is?
(a) 270V (b) 3V (c) 300V (d) 30V

Q.2 In the region of constant potential,
(a) The electric field is uniform.
(b) The electric field is Zero.
(c) There can be no change inside the region.
(d) The electric field shall necessarily change, if a charge is placed outside the region.

Q.3 The graph shows the variation of voltage V across the plates of two capacitors A and B versus increase of charge Q stored in them. Which of the capacitors has higher capacitance?



(a) Capacitor A (b) Capacitor B
(c) Both have same capacitance (d) None of the above

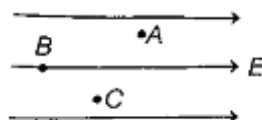
Q.4 A capacitor is charged by a battery, the battery is removed and another identical uncharged capacitor is connected in parallel. The total electrostatic energy of resulting system,

(a) Increases by a factor of 4. (b) Decreases by a factor of 2.
(c) Remains the same. (d) Increases by a factor of 2.

Q.5 A metallic hollow spherical surface of radius 5cm is charged such that the potential on its surface is 10V . The potential at the centre is,

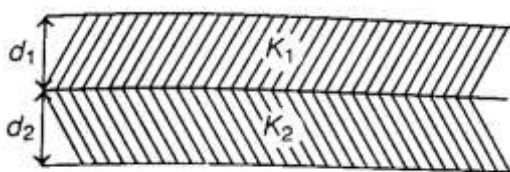
(a) Zero
(b) 10V
(c) Same as at a point 5cm away from the surface.
(d) Same as at a point 25cm away from the surface.

Q.6 A, B and C are three points in a uniform electric field, the electric potential is,

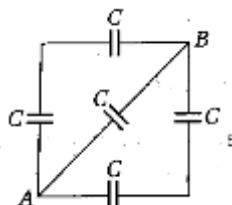


(a) Maximum at A (b) maximum at B
(c) Maximum at C (d) Same at all the three points A, B and C.

- Q.7** A parallel plate capacitor is made of two dielectric blocks in series. Effective dielectric constant K is,



- (a) $\frac{K_1 d_1 + K_2 d_2}{d_1 + d_2}$ (b) $\frac{K_1 d_1 + K_2 d_2}{K_1 + K_2}$ (c) $\frac{K_1 K_2 (d_1 + d_2)}{K_1 d_1 + K_2 d_2}$ (d) $\frac{2K_1 K_2}{K_1 + K_2}$
- Q.8** A proton released from rest in an electric field, will start moving towards the region of _____ potential in the field,
- (a) Increasing (b) Decreasing
(c) Both (a) and (b) (d) Constant
- Q.9** The potential of an electric dipole varies with distance r as
- (a) $\frac{1}{r}$ (b) $\frac{1}{r^3}$ (c) $\frac{1}{r^4}$ (d) $\frac{1}{r^2}$
- Q.10** The electric potential of earth is taken to be zero, because earth is a good _____.
- (a) Insulator (b) Conductor
(c) Semiconductor (d) Dielectric
- Q.11** In the figure shown, the effective capacitance between the points A and B, if each has capacitance C , is



- (a) $2C$ (b) $C/5$ (c) $5C$ (d) $C/2$
- Q.12** Equipotential surface due to a point charge is _____.
- (a) Parallel plane (b) Cylindrical
(c) Spherical (d) Perpendicular Plane
- (For Q.13 to Q.18) In the following questions, a statement of Assertion (A) is followed by a corresponding statement of Reason (R). Of the following statements, choose the correct option.
- (a) Both A and R are true and R is the correct explanation of A.
(b) Both A and R are true but R is not the correct explanation of A.
(c) A is true but R is false.
(d) Both A and R are false.
- Q.13** A : An electron moves from a region of lower potential to a region of higher potential.
R : An electron has a negative charge.

- Q.14 A : A capacitor can be given only a limited quantity of charge.**
R : Charge stored by a capacitor depends on the shape and size of the plates of capacitor and the surrounding medium.
- Q.15 A : No work is done in moving a charge along the equatorial line.**
R : The electric potential is everywhere zero on the equatorial line of a dipole.
- Q.16 A : If the distance between parallel plates of a capacitor is halved and dielectric constant is made three times, then the capacitance becomes 6 times.**
R : Capacity of the capacitor depends upon the nature of the material between the plates.
- Q.17 A : Polar molecules do not have permanent dipole moment.**
R : In polar molecules, the centre of positive and negative charges coincides even when there is no external field.
- Q.18 A : A charged capacitor is disconnected from a battery. Now, if its plates are separated, further the potential energy will fall.**
R : Energy stored in the capacitor is not equal to the work done in charging it.
- Q.19 A parallel plate capacitor is charged by a battery, which is then disconnected. A dielectric slab is then inserted in the space between the plates. Explain what changes, if any, occur in the values of :**
- (a) Capacitance;**
 - (b) Potential difference between the plates;**
 - (c) Electric field between the plates, and**
 - (d) The energy stored?**
- Q.20 State Gauss theorem and find out an expression for electric field due to an infinitely thin charged sheet.**
- Q.21 Two point charges of $+1\mu\text{C}$ and $+4\mu\text{C}$ are kept 30cm apart. How far from the $+1\mu\text{C}$ charge on the line joining the two charges, will the net electric field be zero?**
- Q.22 Draw three equipotential surfaces on an ever increasing electric field.**
- Q.23 Complete Practical File, Activity File and Project File.**

Class 12 (2024-25)
Holiday Home work For Summer Vacation
Questions from Chapter 2, 5

SPQ (2023-24)

1)

If $f(x) = \begin{cases} kx, & \text{if } x < 0 \\ |x|, & \text{if } x \geq 0 \end{cases}$ is continuous at $x = 0$, then the value of k is

(a) -3

(b) 0

(c) 3

(d) any real number

2)

Let $f(x)$ be a polynomial function of degree 6 such that $\frac{d}{dx}(f(x)) = (x-1)^3(x-3)^2$, then

ASSERTION (A): $f(x)$ has a minimum at $x = 1$.

REASON (R): When $\frac{d}{dx}(f(x)) < 0, \forall x \in (a-h, a)$ and $\frac{d}{dx}(f(x)) > 0, \forall x \in (a, a+h)$; where ' h ' is an infinitesimally small positive quantity, then $f(x)$ has a minimum at $x = a$, provided $f(x)$ is continuous at $x = a$.

3)

Find the value of $\sin^{-1}\left(\cos\left(\frac{33\pi}{5}\right)\right)$.

OR

Find the domain of $\sin^{-1}(x^2 - 4)$.

4)

If $(a + bx)e^{\frac{y}{x}} = x$ then prove that $x \frac{d^2y}{dx^2} = \left(\frac{a}{a + bx}\right)^2$

5)

The value of 'k' for which the function $f(x) = \begin{cases} \frac{1-\cos 4x}{8x^2}, & \text{if } x \neq 0 \\ k, & \text{if } x = 0 \end{cases}$ is continuous at $x = 0$ is
(a) 0 (b) -1 (c) 1. (d) 2

6)

Find the value of $\sin^{-1}[\sin(\frac{13\pi}{7})]$

7)

If $y\sqrt{1-x^2} + x\sqrt{1-y^2} = 1$, then prove that $\frac{dy}{dx} = -\sqrt{\frac{1-y^2}{1-x^2}}$

(2017)

1.

Determine the value of 'k' for which the following function is continuous at $x = 3$:

$$f(x) = \begin{cases} \frac{(x+3)^2 - 36}{x-3} & , x \neq 3 \\ k & , x = 3 \end{cases}$$

2.

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

OR

If $e^y(x+1) = 1$, then show that $\frac{d^2y}{dx^2} = \left(\frac{dy}{dx}\right)^2$.

(2016)

1.

Solve for x : $\tan^{-1}(x-1) + \tan^{-1}x + \tan^{-1}(x+1) = \tan^{-1}3x$.

OR

Prove that $\tan^{-1}\left(\frac{6x-8x^3}{1-12x^2}\right) - \tan^{-1}\left(\frac{4x}{1-4x^2}\right) = \tan^{-1}2x$; $|2x| < \frac{1}{\sqrt{3}}$.

2.

$$\text{If } f(x) = \begin{cases} \frac{\sin(a+1)x + 2\sin x}{x}, & x < 0 \\ 2, & x = 0 \\ \frac{\sqrt{1+bx}-1}{x}, & x > 0 \end{cases}$$

is continuous at $x=0$, then find the values of a and b .

3.

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

Hence show that $\sin a \frac{d^2y}{dx^2} + \sin 2(a + y) \frac{dy}{dx} = 0$.

OR

Find $\frac{dy}{dx}$ if $y = \sin^{-1} \left[\frac{6x - 4\sqrt{1 - 4x^2}}{5} \right]$

2015

1. Evaluate : $\tan \left\{ 2 \tan^{-1} \left(\frac{1}{5} \right) + \frac{\pi}{4} \right\}$

2.

Discuss the continuity and differentiability of the function $f(x) = |x| + |x - 1|$ in the interval $(-1, 2)$.

3. If $x = a(\cos 2t + 2t \sin 2t)$ and $y = a(\sin 2t - 2t \cos 2t)$, then find $\frac{d^2y}{dx^2}$.

4. If $(ax + b) e^{y/x} = x$, then show that

$$x^3 \left(\frac{d^2y}{dx^2} \right) = \left(x \frac{dy}{dx} - y \right)^2$$

5)

If $\tan^{-1}\left(\frac{x-5}{x-6}\right) + \tan^{-1}\left(\frac{x+5}{x+6}\right) = \frac{\pi}{4}$, then find the value of x .

6)

Prove the following :

$$\sin\left[\tan^{-1}\left(\frac{1-x^2}{2x}\right) + \cos^{-1}\left(\frac{1-x^2}{1+x^2}\right)\right] = 1, \quad 0 < x < 1.$$

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

7)

8)

Find the derivative of $\sec^{-1}\left(\frac{1}{2x^2-1}\right)$ w.r.t. $\sqrt{1-x^2}$ at $x = \frac{1}{2}$.

9)

If $x = a(\cos 2t + 2t \sin 2t)$ and $y = a(\sin 2t - 2t \cos 2t)$, then find $\frac{d^2y}{dx^2}$.

10)

If $y = x^3 \log\left(\frac{1}{x}\right)$, then prove that $x \frac{d^2y}{dx^2} - 2 \frac{dy}{dx} + 3x^2 = 0$.

11)

If $f(x) = \sqrt{x^2 + 1}$; $g(x) = \frac{x+1}{x^2+1}$ and $h(x) = 2x - 3$,

then find $f'[h'\{g'(x)\}]$

12)

If $y = \tan^{-1} \left(\frac{\sqrt{1+x^2} + \sqrt{1-x^2}}{\sqrt{1+x^2} - \sqrt{1-x^2}} \right)$, $x^2 \leq 1$, then find $\frac{dy}{dx}$.

Find :

$$\frac{d}{dx} \cos^{-1} \left(\frac{x - x^{-1}}{x + x^{-1}} \right)$$

13)

If $y = x^{e^{-x^2}}$, find $\frac{dy}{dx}$.

14)

15)

If $\log \sqrt{x^2 + y^2} = \tan^{-1} \left(\frac{x}{y} \right)$, then show that $\frac{dy}{dx} = \frac{y-x}{y+x}$.

2014
Prove that

1.
$$\cot^{-1} \left(\frac{\sqrt{1 + \sin x} + \sqrt{1 - \sin x}}{\sqrt{1 + \sin x} - \sqrt{1 - \sin x}} \right) = \frac{x}{2}, \quad x \in \left(0, \frac{\pi}{4} \right)$$

2.
$$\tan^{-1} \left(\frac{\sqrt{1+x} - \sqrt{1-x}}{\sqrt{1+x} + \sqrt{1-x}} \right) = \frac{\pi}{4} - \frac{1}{2} \cos^{-1} x, \quad -\frac{1}{\sqrt{2}} \leq x \leq 1$$

3.

Find the value of $\frac{dy}{dx}$ at $\theta = \frac{\pi}{4}$, if $x = ae^{\theta}(\sin \theta - \cos \theta)$ and $y = ae^{\theta}(\sin \theta + \cos \theta)$.

4.

If $y = Pe^{ax} + Qe^{bx}$, show that

$$\frac{d^2y}{dx^2} - (a+b) \frac{dy}{dx} + aby = 0.$$

Holiday homework Geography class XII

Practice questions

- 1. Explain the third stage of demographic transition theory.**
- 2. “Equity and sustainability are the important pillars of Human Development.” explain the statement.**
- 3. The rural urban settlements have some basic differences. Elaborate.**
- 4. Distinguish between dryland farming and wetland farming.**
- 5. What are the categories of towns based on evolution. Explain each of them.**
- 6. “Periodic markets are lifelines of rural centers.” Explain the statement.**
- 7. Explain the linguistic composition of India.**
- 8. Describe the importance of rice crop in India.**
- 9. Distinguish between collective farming and cooperative farming.**
- 10. Explain the features of chain stores.**
- 11. Describe the features of modern large-scale industries.**
- 12. Distinguish between Panama and suez canals.**
- 13. Give description of different types of ports.**
- 14. Distinguish between possibilism and determinism.**

15. Explain the problems of Indian agriculture.

ENGLISH ASSIGNMENT CLASS XII 2024-25

Q 1 You are Secretary of the History Club of Vidya Mandir School. Draft a notice in not more than 50 words informing students of a proposed visit to some important historical sites in your city.

Q 2. Write a letter to the Editor of National Herald, New Delhi about water scarcity in your locality suggesting ways to improve the position of water supply. You are Ramnath/ Reema of Ghaziabad.

Q 3. The literary club of your school is putting up the play 'Waiting for Godot'. As secretary of the club, draft an invitation inviting the famous writer Sudeesh Gupta to be the guest of honour at the function. Write the invitation in not more than 50 words. You are Govind/Gauri.

Q 4 You are the Principal of Zodiac Senior Secondary School, Ooty. The school has completed 25 years of its meritorious services to the society. The Silver Jubilee Celebrations are to be held on Sunday, the 26th October, 20XX. Mrs M. Kamath, the founder Principal will preside. Draft a suitable invitation to be sent to important dignitaries of the city and the parents of students.

Q 5 Your parents have completed 25 years of happy married life. Invite your aunt, living in Hyderabad, to join you in the Silver Jubilee celebration of their marriage at your residence.

Q 6 At the end of his last lesson, M. Hamel decides to leave a little note for each of his students for them to find the next day at their desks. Based on your reading of the story, what might his note to Franz read? (QB)

You may begin like this:

Dear Franz,

I know you have always preferred to run in the open fields ...

Q 7 A smile does not always indicate happiness.' Does My Mother at Sixty-Six reflect this statement? Justify your response with an example from the poem

Q 8 Imagine you are the poet's friend. Write a dialogue exchange between yourself and the poet where the latter confides in you about her fears and asks for your advice. What would your advice be to face her fears, to ignore them or something else?

Q 9 How did 'The World' help Charley to confirm his doubts regarding the existence of a third level?

Q 10 How does Charley describe Galesburg as it used to be in 1894?

ACCOUNTS HOLIDAY HOMEWORK

1	<p>Classify the following items under Major heads and Sub heads (If any) in the balance sheet of a Company as per schedule III of the Companies Act 2013.</p> <p>i. Loose Tools ii. Loan repayable on demand iii. Provision for Retirement benefits iv. Pre-paid Insurance v. Capital advances vi. Shares in Listed Companies</p>
2	<p>a) A company had a liquid ratio of 1.5 and current ratio of 2 and inventory turnover ratio 6 times. It had total current assets of ₹8,00,000. Find out annual sales if goods are sold at 25% profit on cost.</p> <p>b) Calculate debt to capital employed ratio from the following information. Shareholder funds ₹ 15,00,000 8% Debenture ₹ 7,50,000 Current liabilities ₹ 2,50,000 Non -current Assets ₹ 17,50,000 Current Assets ₹7,50,000</p>
3	<p>Classify the following items under Major heads and Sub-head (if any) in the Balance Sheet of a Company as per schedule III of the Companies Act 2013. (i) Current maturities of long term debts (ii) Furniture and Fixtures (iii) Provision for Warranties (iv) Income received in advance (v) Capital Advances (vi) Advances recoverable in cash within the operation cycle</p>
4	<p>(a) From the following details, calculate Opening inventory: Closing inventory ₹60,000; Total Revenue from operations ₹5,00,000 (including cash revenue from operations ₹1,00,000); Total purchases ₹3,00,000 (including credit purchases ₹60,000). Goods are sold at a profit of 25% on cost. (b) Current Assets of a company are ₹17,00,000. Its current ratio is 2.5 and liquid ratio is 0.95. Calculate Current Liabilities and Inventory.</p>
5	<p>Determine Return on Investment and Net Assets Turnover ratio from the following information:- Profits after Tax were ₹ 6,00,000; Tax rate was 40%; 15% Debentures were of ₹20,00,000; 10% Bank Loan was ₹ 20,00,000; 12% Preference Share Capital ₹ 30,00,000; Equity Share Capital ₹ 40,00,000 ; Reserves and Surplus were ₹ 10,00,000; Sales ₹ 3,75,00,000 and Sales Return ₹ 15,00,000. .</p>
6	<p>Debt to Capital Employed ratio is 0.3:1. State whether the following transactions, will improve, decline or will have no change on the Debt to Capital Employed Ratio. Also give reasons for the same. (i) Sale of Equipments costing ₹ 10,00,000 for ₹ 9,00,000. (ii) Purchased Goods on Credit for ₹ 1,00,000 for a credit of 15 months, assuming operating cycle is of 18 months. (iii) Conversion of Debentures into Equity Shares of ₹ 2,00,000</p>

7

Read the following hypothetical text and answer the given questions on the basis of the same:

Aashna, an alumna of CBSE School, initiated her start up Smartpay, in 2015. Smartpay is a service platform that processes payments via UPI and POS, and provides credit or loans to their clients.. During the year 2021-22, Smartpay issued bonus shares in the ratio of 5:1 by capitalising reserves. The profits of Smartpay in the year 2021-22 after all appropriations was ₹ 7,50,000. This profit was arrived after taking into consideration the following items: -

Particulars	Amount (₹)
Interim Dividend paid during the year	90,000
Depreciation on Machinery	40,000
Loss of Machinery due to fire	20,000
Insurance claim received for Loss of Machinery due to Fire	10,000
Interest on Non-Current Investments received	30,000
Tax Refund	20,000

Additional Information:

Particulars	31.3.22 (₹)	31.3. 21(₹)
Equity Share Capital	12,00,000	10,00,000
Securities Premium Account	3,00,000	5,00,000
General Reserve	1,50,000	1,50,000
Investment in Marketable Securities	1,50,000	1,00,000
Cash in hand	2,00,000	3,00,000
Machinery	3,00,000	2,00,000
10% Non-Current Investments	4,00,000	3,00,000
Bank Overdraft	2,50,000	2,00,000
Goodwill	30,000	80,000
Provision for Tax	80,000	60,000

- (i) Goodwill purchased during the year was ₹ 20,000.
(ii) Proposed Dividend for the year ended March 31, 2021 was ₹ 1,60,000 and for the year ended March 31,2022 was ₹ 2,00,000.

You are required to:

1. Calculate Net Profit before tax and extraordinary items.
2. Calculate Operating profit before working capital changes.
3. Calculate Cash flow from Investing activities.
4. Calculate Cash flow from Financing activities.
5. Calculate closing cash and cash equivalents.

8

Particulars	Note No.	2013-14 (₹)	2012-13(₹)
EQUITY AND LIABILITIES			
(1) Shareholders Funds			
(a) Share capital		14,00,000	10,00,000
(b) Reserves and Surplus	1	5,00,000	4,00,000
(2) Non Current Liabilities			
Long term borrowings		5,00,000	1,40,000
(3) Current Liabilities			
Trade Payables		1,00,000	60,000
Short term Provisions	2	80,000	60,000
Total		25,80,000	16,60,000
ASSETS			
(1) Non Current Assets			
(a) Fixed assets			
(i) Tangible assets	3	16,00,000	9,00,000
(ii) Intangible Assets	4	1,40,000	2,00,000

{ 12 }

(2) Current Assets			
(a) Inventories		2,50,000	2,00,000
(b) Trade Receivables		5,00,000	3,00,000
(b) Cash and Cash Equivalents		90,000	60,000
Total		25,80,000	16,60,000

Notes to Accounts:

S.No.	Particulars	As on 31.3.2014 (₹)	As on 31.3.2013 (₹)
1.	Reserves and Surplus Surplus (i.e. balance in Statement of Profit and Loss)	5,00,000	4,00,000
2.	Short Term provisions Provision for tax	80,000	60,000
3.	Tangible assets Machinery Less Accumulated depreciation	17,60,000 (1,60,000)	10,00,000 (1,00,000)
4.	Intangible Assets Goodwill	1,40,000	2,00,000

Prepare a Cash Flow Statement after taking into account the following adjustment:

(i) Tax paid during the year amounted to ₹ 70,000.

(6)

- 9 Calculate amount of Opening Trade Receivables and Closing Trade Receivables from the following figures: Trade Receivable Turnover ratio 5 times Cost of Revenue from Operations ₹ 8,00,000 Gross Profit ratio 20% Closing Trade Receivables were ₹ 40,000 more than in the beginning Cash sales being ¼ times of Credit sales
- 10 Calculate proprietary ratio, if Total assets to Debt ratio is 2:1. Debt is ₹ 5,00,000. Equity shares capital is 0.5 times of debt. Preference Shares capital is 25% of equity share capital. Net profit before tax is ₹ 10,00,000 and rate of tax is 40%.

BUSINESS STUDIES HOMEWORK

1	<p>“Successful organizations do not achieve their goals by chance but by following a deliberate process” . Identify the process highlighted here. Explain its 5 importance.</p>
2	<p>Mr. Ajay after completing MBA from USA comes to India to start a new business under the banner Ecom Creations Ltd. He launches a new product in e-learning for Senior Secondary School students in Commerce stream, which already has an established market in UK and USA but not in India. His business starts flourishing in India. Now more Indian companies entered into the market with other subjects also.</p> <p>Identify and quote the lines from above para which highlight the significance of understanding business environment.</p>
3	<p>Rajeev, the owner of Pathways constructions decided to start a campaign to create awareness among people for developing clean surroundings in their area. He formed a team of 10 members to list the different ways for cleaning the surroundings. One suggested to take the help of local residents, another suggested that they may involve school going children in their venture. One more suggestion was to take the help of unemployed youth. On evaluation of different ways, it was decided to take the help of local residents. To achieve the desired goal various activities were identified like</p> <ol style="list-style-type: none"> a) Purchase of necessary items like dustbins, garbage bags, brooms, etc.; b) Collection of garbage; c) Disposal of garbage, etc. <p>After identification of different activities the work was allocated to different members.</p> <ol style="list-style-type: none"> i. Identify the concepts of management involved in the above situation and quote the lines which help in their identification. ii Explain the process
4	<p>Nutan Tiffin Box service was started in Mumbai by Mumbai Dabbawalas. The Dabbawalas who are the soul of entire Mumbai aim to provide prompt and efficient services by providing tasty homemade tiffin to all office goers at right time and place. The service is uninterrupted even on the days of bad weather, political unrest and social disturbances. Recently they have started online booking system through their website ‘mydabbawala.com’. Owing to their tremendous popularity amongst the happy and satisfied customers and members, the dabbawalas were invited as guest lecturers by top business schools. The Dabbawalas operate in a group of 25-30 people along with a group leader. Each group teams up with other groups in order to deliver the tiffin on time. They are not transferred on frequent basis as they have to remember the addresses of their customers. They follow certain rules while doing trade- No alcohol during working hours; No leave without permission; Wearing of white cap & carrying ID cards during business hours. Recently on the suggestion of a few self motivated fellow men, the dabbawalas thought out and executed a plan of providing food left in tiffins by customers to slum children. They have instructed their customers to place red sticker if food is left in the tiffin, to be fed to poor children later.</p> <p>a) State principles of management given by Fayol & characteristics of management mentioned in the above case.</p>
5	<p>Suhasini a home science graduate from a reputed college has recently done a cookery course. She wished to start her own venture with a goal to provide ‘health food’ at reasonable price. She discussed her idea with her teacher (mentor) who encouraged her. After analyzing various options for starting her business venture, they shortlisted the option to sell readymade and ‘ready to make’ vegetable shakes and sattu milk shakes. Then, they both weighed the pros and cons of both the shortlisted options.</p> <p>a) Name the function of management being discussed above and give any one of its characteristics. b) Also briefly discuss any three limitations of the function discussed in the case.</p>
6	<p>Jayant is working as Head Relationship Manager in the wealth management division of a private sector bank. He has created an internal environment which is conducive to an effective and efficient performance of his team of ten relationship management executive” A typical day at work in Jay ant’s life consists of a series of interrelated and continue functions. He decides the targets for his department which are in line with the objectives of the organization as a whole. The future course of action for his team members is laid out well in</p>

	<p>advance. The various resources required by the relationship managers like an iPad with GPS system, account opening forms, brochures, details of account holders etc. are made readily available to them. The executives are given sufficient authority to carry out the work assigned to them. Jayant works in close coordination with the Human Resource Manager in order to ensure that he is able to create and maintain a satisfactory and satisfied workforce in his department. Through constant guidance and motivation, Jayant inspires them to realise their full potential. He offers them various types of incentives from time to time keeping in view their diverse individual needs. Moreover, he keeps a close watch on their individual performances in order to ensure that they are in accordance with the standards set and takes corrective actions whenever needed.</p> <p>In context of the above case: Identify the concept being referred to in the following line, “He has created an internal environment which is conducive to an effective and efficient performance of his team of ten relationship management executives.” Identify and describe the various functions of the concept as identified in part (a) of the question by quoting lines from the paragraph.</p>
7	<p>Flavours Ltd. was engaged in the business of making handmade chocolates. Lately, the business was expanding due to good quality and reasonable prices. As the demand was increasing, Flavours Ltd. decided to explore bakery products as well. In order to make bakery products the company directed its workforce to work overtime but this resulted in multiple problems. Due to increased pressure the efficiency declined and the workers had to take orders from more than one superior. Workers were overburdened and their health was also affected. Gradually the quality of the products begins to decline and market share also went down. The company realized that they had implemented changes without waiting for the required infrastructure. Identify and explain the principles/technique of Taylor/Fayol referred to in the above para.</p>
8	<p>Briefly explain of the following techniques of Scientific Management as given by F.W. Taylor: a. Method study b. Functional foremanship c. Standardization d. Differential piece wage system Given by Henry Fayol: a. Unity of command b. Equity c. Remuneration d. Initiative</p>
9	<p>‘The pros and cons of each alternative need to be weighed.’ Name and briefly explain the logical steps in the process of planning which are followed by a manager before performing the step highlighted in the above statement. Briefly explain the next three steps in the process of planning which the manager will have to have to follow after using conjecture about what might happen in the future.</p>
10	<p>The Government of India has recently come up with an amendment to Section 6 of the Payment of Wages Act 1936, to allow employers of certain industries to make payment through various electronics modes of payments. The amendment will be applicable to all the public sector undertakings for wages disbursement using epayment options. This is another milestone in the direction to further push to cashless economy. 3. Identify and explain any two dimensions of business environment which relate to the above mentioned case.</p>

HOLIDAY HOMEWORK (2023-24)

PSYCHOLOGY – CLASS XII

- Application Based Questions.
 - All Questions are Compulsory.
1. Muskaan and Naveen are siblings brought up in the same environment. Muskaan knows all the formulae in mathematics and can recall them as they are but cannot solve problems based on those formulae, whereas Naveen can use formulae to solve any kind of problem that are based on them. Explain the intelligence they both exhibit. Which approach is this theory based on?
 2. Angad has been a topper in class. He went to the topmost college, where he was neither sensitive to his own self or to others. This led to problems in interpersonal relationships with reference to his condition Explain the important of emotional intelligence in his life.
 3. Shweta has been writing for the school magazine and would like to pursue journalism. Which intelligence is her skill reflecting?
 4. Rita is learning music. Many times she has to miss her favorite serials as she has to go for music classes. Also she wakes up early to practice despite her love for sleep. Which concept from the chapter self and personality can you link to this situation?
 5. Your friend is constantly under pressure and is unable to deal effectively with the challenges of everyday life. How can you, with your background in psychology, help this person?
 6. Joy, a hardworking content editor is not feeling well due to prolonged office hours and immense pressure from the peer coordinators. Due to this he started developing anxiety and exhaustion and fallen seriously ill. Name the psychological condition he is suffering with.
 7. Simranjeet a professional kick boxer has represented various clubs across the world. However she has met with serious sports injuries during the match. Surprisingly she not only recovered but also started preparing for next bout. Her Doctors, coach and parents were surprised by her resilience. What do you understand by resilience?
 8. Tushar has very strict schedule throughout the day. He goes for morning walk at 4AM , and then after does his all daily routine work

and sleep at 10PM in the night. He barely misses his time table routine. Find out Tushar's personality traits.

9. Ruhani and Suhani are two sister, who studied in the same school and also joined in the similar IT Professional sector. However both have different nature and future goals in life. How psychologists define such different personalities through type and trait approaches?
10. Rani, a 10 years girl was diagnosed with moderate level of self – skill and speech related problem. Medical treatment proved unsuccessful to bring her into mainstream life . Describe some characteristic of individuals with different levels of intellectual disability.