# D.A.V. PUBLIC SCHOOL, PAKUR (JH)
## Summer Vacation Home Assignment - 2023-24
**Class: XII**                    **Subject: English**

### HOME ASSIGNMENT
1) What was the reaction of the clerk at the ticket counter to Charley? Why?
2) Why did Charley wish to go to Galesburg?
3) How was the third level at Grand Central Station different from the other two?
4) Why are the young trees described as sprinting?
5) Why has the narrator brought in the image of the merry children 'spilling out of their homes'?
6) What were the activities that the narrator saw outside the car window?
7) Why does the narrator smile and what does she say while bidding goodbye to her mother?
8) What was Kamala Das's childhood fear?
9) Why did Franz not want to go to school that day?
10) How was M. Hamel behaviour contrary to how he would usually behave?
11) How did Franz enjoy their lesson in writing?
12) What shows M. Hamel's love for the French language?
13) Write the format of a formal letter.
14) Write the format of a Formal Invitation.
15) Write the format of a notice.

### ART INTEGRATED PROJECT
Constituting a major part of Deccan plateau, Telangana has a pleasing climate, with abundant natural and water resources. Make a stick file using the photographs/illustrations of the plateau.

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# D.A.V. PUBLIC SCHOOL, PAKUR (JH)
## Summer Vacation Home Assignment - 2023-24
**Class: XII**                    **Subject: Hindi**

निम्नलिखित प्रश्नों के उत्तर लिखिए

1. स्त्री के विवाह संबंधी मानवाधिकार को कुचलने की कुपरंपरा का पाल 'भक्तिन ' पाठ में किस प्रकार हो पाया है  स्पष्ट कीजिए

2.भक्तिन की चारित्रिक विशेषताओं की व्याख्या कीजिए

3. महादेवी वर्मा की व्यक्तित्व एवं कृतित्व पर प्रकाश डालिए

4. बाजार किसी का लिंग,जाति, धर्म या क्षेत्र नहीं देखता, वह देखता है सिर्फ उसकी क्रय शक्ति को|इस रूप में वह एक प्रकार से सामाजिक समता  की भी रचना कर रहा है|आप इससे कहाँ तक सहमत हैं?

5. पर्चेजिंग पवार से आप क्या समझते हैं स्पष्ट कीजिए |

6.संसार में कष्टों को सहते हुए भी खुशी और मस्ती का माहौल कैसे पैदा किया  जा सकता है?

7. 'आत्म परिचय 'कविता को दृष्टि में रखते हुए कवि के कथ्य को  अपने शब्दों में प्रस्तुत कीजिए|

8.बाजार में भगत जी के व्यक्तित्व का कौन सा  पहलू उभरकर आता है? क्या आपकी नजर में उनका आचरण समाज में शांति स्थापित करने में मददगार हो सकता है

परियोजना कार्य

9. तेलंगाना राज्य का इतिहास,संस्कृति - ,भाषाएं  साहित्य, त्योहार ,कला और शिल्प ,वेशभूषा  एवं व्यंजन आदि पर प्रकाश डालिए

## D.A.V. PUBLIC SCHOOL, PAKUR (JH)
## Summer Vacation Home Assignment - 2023-24
### Class: XII                          Subject: Maths

11. Prove that  :  $\frac{d}{dx}\left[\frac{x}{2}\sqrt{a^2-x^2}+\frac{a^2}{2}Sin^{-1}\frac{x}{a}\right]=\sqrt{a^2-x^2}$

12. If $y=\frac{xSin^{-1}x}{\sqrt{1-x^2}}+\log\sqrt{1-x^2}$ , prove that : $\frac{dy}{dx}=\frac{Sin^{-1}x}{(1-x^2)^{3/2}}$

13. If $(1+x)^n=C_0+C_1x+C_2x^2+----+C_nx^n$

    Using derivatives , prove that :
    (i)  $C_1+2C_2+----+nC_n=n.2^{n-1}$
    (ii)  $C_1-2C_2+3C_3+----+(-1)^{n-1}nC_n=0$

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

15. If $x^y-y^x=a^b$ , $\frac{dy}{dx}=$ ?

16. If $(x-a)^2+(y-b)^2=c^2$  prove that : $\frac{\left\{1+\left(\frac{dy}{dx}\right)^2\right\}^{3/2}}{\frac{d^2y}{dx^2}}$ is a constant

    independent of a and b

17. $x\sqrt{1+y}+y\sqrt{1+x}=0$  , prove that : $\frac{dy}{dx}=-\frac{1}{(x+1)^2}$

18. Two schools P and Q want to award their selected student on the values of Tolerance, Kindness and Leadership. The school P want to award Rs. $x$ each, Rs. $y$ Each and Rs. $z$ each for the three respective values to 3,2,1 students respectively with a total award money of Rs. $2200$. The school Q want to spend Rs. $3100$ to award its 4 , 1, 3 students  (on the respective values by giving the same award money to the three values as school P). If the total amount of award for one prize on each values is Rs. $1200$, using matrices, find the award money for each value.

10. Find product $\begin{bmatrix} -4 & 4 & 4 \\ -7 & 1 & 3 \\ 5 & -3 & -1 \end{bmatrix}\begin{bmatrix} 1 & -1 & 1 \\ 1 & -2 & -2 \\ 2 & 1 & 3 \end{bmatrix}$ and use it to solve the system of equation

    $x-y+z=4$ , $x-2y-2z=9$ , $2x+y+3z=1$

PROJECT WORK:

Prepare an art integrated project on Mathematics relating Telangana state in a scrap book

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## D.A.V. PUBLIC SCHOOL, PAKUR (JH)
### Summer Vacation Home Assignment - 2023-24
**Class: XII**                    **Subject: Economics**

### MACRO ECONOMICS

1. What do you mean by circular flow of income?
2. Distinguish between Intermediate good and final good.
3. Define the term stock and flow.
4. Differentiate between gross investment and net investment.
5. What do you mean by capital goods and consumer goods .
6. How GNP is different from GDP? Explain
7. Explain circular flow of income in a two sector economy.

### INDIAN ECONOMICS

1. What are the features of Indian economy on the eve of independence?
2. Explain the reasons responsible for backwardness of Indian agriculture.
3. What are the goals of planning in India?
4. Is there any positive contribution of British Govt. in India. Explain.
5. Give arguments in favour and against of Green Revolution.
6. Write a short note on "Subsidy."

**PROJECT :** prepare a project on Telengana's Economy and co-relate it with Jharkhand:

  **a.** Agriculture
  **b.** Industry
  **c.** Trade
  **d.** Tourism

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## D.A.V. PUBLIC SCHOOL, PAKUR (JH)
### Summer Vacation Home Assignment - 2023-24
**Class: XII**                    **Subject: Business Studies**

1. Management is the process of getting things done .Explain the meaning of term process used in management.
2. List two social objectives of management
3. ABC is facing problems these days company's profit is declining day by day production manager is blaming marketing manager while marketing manager is blaming production for not maintaining the quality ,finance is blaming both .which quality of management is lacking .Explain
4. Management provides judgment and vision .Explain
5. Coordination is the essence of management .Explain
6. Explain in brief Fayol principles of management
7. What do you mean by scientific management
8. Write in brief the principles of management given by F.W taylor
9. Company manufacturing laptops is facing problems of decreasing in sales .What steps each level of management should take to give effect to this decision
10. State and explain two points that proves that management is multidimensional

**D.A.V. PUBLIC SCHOOL, PAKUR (JH)**
**Summer Vacation Home Assignment - 2023-24**
**Class: XII          Subject: Physical Education**

1. Physical fitness test: - SAI Khelo India, Brockport physical fitness test (BPFT).

2. Procedure for Asanas, Benefits and Contraindication for any two Asana for each lifestyle disease.

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**D.A.V. PUBLIC SCHOOL, PAKUR (JH)**
**Summer Vacation Home Assignment - 2023-24**
**Class: XII          Subject: Accountancy**

Q1  K,L,and M are partners. They started a business in one of the remote tribal areas of North East India .They were interested in development of the tribal community by providing good education and health. On 31$^{st}$ March 2021K,L and M had capitals of rs 3,00,000,rs 2,00,000 and rs 1,00,000 respectively. The partnership deed provided that interest on capital will be allowed @6%P.a Drawing for the year were K  20,000 L 15000 and M 5000 .It was found that the interest on capital for the year ended 31$^{st}$ March 2021 was not allowed .The profit earned by the firm for the year ended 31$^{st}$ March 2021 was rs1,80,000. Show your working clearly

2. Would a 'charitable dispensary' run by 8 members be deemed a partnership firm? Give reason in support of your answer.

3. On 1st April, 2013, Jay and Vijay entered into partnership for supplying laboratory equipments to government schools situated in remote and backward areas. They contributed capitals of □ 80,000 and □ 50,000 respectively and agreed to share the profits in the ratio of 3 : 2. The partnership deed provided that interest on capital shall be allowed at 9% per annum. During the year the firm earned a profit of □ 7,800. Showing your calculations clearly, prepare profit and loss appropriation account of Jay and Vijay for the year ended 31st March, 2014

What values are shown by Jay and Vijay

4 Anita and Anaya are partners sharing profits in the ratio of 3 : 2. They admit Ashna into partnership. It was agreed to value goodwill at three year's purchase on the basis of weighted average profit for the past 5 years. Weights being assigned to each year were:-
The profits of 5 years were:-

| Year ended | Profits |
|---|---|
| 31$^{st}$ March, 2015 | 1,80,000 |
| 31$^{st}$ March, 2016 | 1,60,000 |
| 31$^{st}$ March, 2017 | 2,50,000 |
| 31$^{st}$ March, 2018 | 3,00,000 |
| 31$^{st}$ March, 2019 | 3,50,000 |

a. An abnormal gain of Rs. 20,000 was earned in the year ended 31$^{st}$ March, 2016.
b. An abnormal loss of Rs. 10,000 was incurred in the year ended 31$^{st}$ March, 2017.
c. Expense of 50,000 incurred to overhaul a machine on 1$^{st}$ April, 2017 was debited to profit and loss account instead of being debited to machinery account. Depreciation is charged on machinery @20% on written down value method.
d. Closing stock as on 31$^{st}$ March 2018 was undervalued by Rs. 20,000.

**5.** Vinod and Mohan are partners .On 31$^{st}$ March 2021 their fixed capital were 2,00,000 and 1,50000 .Their drawings during the year were 12000 and 8000 .Partnership deed does not allow interest on capital but by mistake it was credited to the partners @8%p,a. The profits after charging interest on capital was 80,000 which was distributed by partners .Give adjustment entry

6. On 1$^{st}$ April 2020 an existing firm had assets 75000 including cash of 5000.The partners capital accounts showed a balance of 60000 and reserves constitutes the rest .If the normal rate of return is 20% and goodwill of the firm is valued at 24000 at 4 years purchase of super profits. Find the average profit of the firm
7. Give the difference between Average profit and Super profit
8. A and B are partners .The net divisible profit as Profit and loss appropriation A/C is rs 2,50,000.The interest on partner's drawing is rs 4000.A 's salary is rs 4000 per quarter and B's salary is 40000.p.a.calculate Net profit during the year.
9. David and Tom are partners in a firm .David to get a commission of 10% of net profit before charging any commission. Tom is to get a commission of 10% on net profit after charging all commissions. Net profit before charging any commission was 4, 40,000.Find their commissions
10. What are the various provisions of Partnership act 1932 in the absence of partnership deed?
11. A partner introduced additional capital of 30,000 and advanced a loan of 40,000 to the firm at the beginning of the year. Partner will receive year's interest:
  (A) 4,200  (B) 2,400  (C) Nil  (D) 1,800
12. A, B and C are partners in the ratio of 5: 3: 2. Before B's salary of 17,000 firm's profit is 97,000. How much in total B will receive from the firm?
     (A) 17,000  (B) 40,000 (C) 24,000 (D) 41,000
13. Vikas is a partner in a firm. His drawings during the year ended 31st March, 2019 were 72,000. If interest on drawings is 3240. the rate of interest will be :

(A) 6%pa  (B) 9%pa  (C) 10%pa  (D) None of these.