

आचार्यकुलम्

वैदिक समन्वित सी.बी.एस.ई. आवासीय शिक्षण संस्थानम्

शिक्षा
संस्कारः



अभ्युदयः
निश्चयः

Acharyakulam

A Vaidic Integrated CBSE affiliated Residential(Co-ed) Educational Institute

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**SUMMER
HOLIDAY
HOMEWORK
(2023 - 2024)
CLASS- XI B**

English Core:-

ART INTEGRATED PROJECT:-

Activity 1)

Explore the regional cuisines of Uttarakhand and Puducherry and list them out. Try out a couple of recipes from both places and write the recipe of one dish that you enjoyed from both regions [1 from Puducherry & 1 from Uttarakhand]. You may also try preparing the dish under the supervision of an adult and make a short video of the preparation.

Note: Attempt any one out of the two given activities.

Activity 2)

Create a Graphical representation of Climatic differences between Uttarakhand and Puducherry. This comparison must contain Bar Graphs or Pie Charts.

OR,

Activity 3)

Prepare a PPT presentation on the Adventure Sports of Uttarakhand and Puducherry. Also prepare a report on 'How Adventure Sports can transform the economy of these states.'

Note: Attempt any one activity out of the three given below.

Activity 4)

Prepare a handmade Travel Brochure for Uttarakhand and Puducherry. For guidance, use the given links.

<https://youtube.com/shorts/z0Wm7hdIcUc?feature=share>

OR,

Activity 5)

Prepare a Scrapbook on the pristine sea beaches of Puducherry and Char Dhams of Uttarakhand.

<https://youtu.be/BdTHZ5xHum4>

OR,

Activity 6)

Prepare a Picture Collage, showing the comparison of Uttarakhand and Puducherry as Tourist destinations. <https://youtu.be/PQxikbeK5D0>

Sanskrit: -

- 1- सामूहिकं यज्ञं कृत्वा सामूहिकं योगप्रशिक्षणं च दत्त्वा तस्य सामूहिकछायाचित्रम् एकस्मिन् A4 sheet संक्षेप्य तस्य विवरणं संस्कृतेन कर्गदे लिखत ।
- 2- स्व-पाकशालायाम् उपलब्ध-खाद्य- वस्तूनां नामानि तेषां पात्रेषु संस्कृते विलिख्य छायाचित्राणि A4 sheet कर्गदे संक्षेप्य आनयन्तु ।
- 3- 'कुशलप्रशासनम्' इति पाठं स्मृत्वा तद्विषयाधारितं सार्द्धं द्विपृष्ठात्मकं निबन्धं एकस्यां संचिकायां(FILE) संस्कृतेन लिखत ।
- 4- पाण्डुचेर्याः धार्मिकस्थलानां, संस्कृति-परम्पराणां, मुख्यपर्वणां च विषये सचित्रं 250 शब्देषु वर्णनं कुरुत-

वैदिक-विभागः

ग्रीष्मावकाशस्य गृहकार्यम् {2023-24}

कक्षा-XI {सर्वेषां कृते}

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क्रम.सं.	दिनाङ्कः	अभिवादनम्	योगः	यज्ञः	भोजनमन्त्रः	संस्कृतवाक्यम्	शयनमन्त्रः	अभिभावक- हस्ताक्षरम्
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27.	25.06.23							
28.	26.06.23							

1. भो छात्र ! प्रतिदिन आपको उपरोक्त क्रिया कलाप अवश्य करने हैं और प्रतिनित्य अपने अभिभावकों के हस्ताक्षर इस आशय से कराने हैं कि आपने उनके समक्ष किया है ।
2. प्रतिदिन किये गये क्रिया कलाप को चित्र (PHOTO) के माध्यम से प्रमाण सहित उपस्थित करना अनिवार्य है ।

ECONOMICS

1. Prepare a project report on following sectors of "India".

- a) Health Sector of "India".
- b) Education Sector of "India".

2. Make a PPT on the following topic:

- a) Consumer's Equilibrium

3. Write the answer of the following Questions in your fair notebook.

Q1. Draw Consumer's Equilibrium through (i) Single Commodity Case (ii) Two Commodity Case (iii) Indifference curve case

Q2. Draw all the five degrees of Elasticity of Demand with suitable table and solve each degree with the elasticity of demand formula.

Q3. Explain movement along the demand and shift in demand with using suitable table and curve.

Q4. What is PPC? Also draw the curve and mention the points when PPC will shift to rightward and when it will shift to leftward.

Q5. Explain the Central Problems of an Economy and also explain the reasons why these economic problems arise.

Subject – Applied Mathematics

NOTE- Use a separate notebook for holiday homework.

V. S. A. TYPE

1. For any set A, $(A')'$ is equal to
 (a) A' (b) A (c) \emptyset (d) none of these
2. Let X, Y, Z be three sets given as
 $n(X) = 15$, $n(Y) = 22$, $n(Z) = 14$ and $n(X \cap Y) = 11$, $n(Y \cap Z) = 8$, $n(X \cap Z) = 5$, $n(X \cap Y \cap Z) = 3$,
 then $n(X \cup Y \cup Z)$ equals if X, Y, Z are subsets of U and $n(U) = 35$,
 (a) 35 (b) 30 (c) 26 (d) 5
3. If a set A containing 6 elements, then number of non-empty subsets of A is
 (b) 36 (b) 30 (c) 64 (d) 63
4. If A and B are two finite sets, then $n(A) + n(B)$ is equal to _____.
5. Power set of the set $A = \{1, 2\}$ is _____.
6. Write the following sets in the roaster form.

$A = \{x \mid x \text{ is a positive integer less than } 10 \text{ and } 2^x - 1 \text{ is an odd number}\}.$

- Write the following in set builder form. $A = \{3, 9, 27, 81\}$
- If the universal set $U = \{1, 3, 5, 7, 9, 11, 13, 15, 17\}$, $B = \{1, 3, 7, 13, 15\}$ then find B' .
- When $A = \emptyset$, then the number of elements in $P(A)$ is _____.
- If A and B are any two sets, then $A - B$ is equal to _____.

S. A. TYPE

- Show that if $A \subset B$, then $C - B \subset C - A$.
- Assume that $P(A) = P(B)$, Show that $A = B$.
- If $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$, $A = \{1, 2, 3, 5\}$, $C = \{2, 3, 4, 8\}$, then find $(C - A)'$
- Write the following sets in the roaster form. $N = \{x: x^4 - 5x^2 + 6 = 0, x \in \}$
- If A is a finite set containing n elements, then how many subsets of set A are obtained?
- Let A and B be two sets. If $A \cap X = B \cap X = \emptyset$ and $A \cup X = B \cup X$ for some set X , then Show that $A = B$.
- Show that $A \cup B = A \cap B$ implies $A = B$.
- A survey shows that 63% of the people watch a News channel whereas 76% watch another channel. If $x\%$ of the people watch both channels, then find the interval in which x lies.
- In a town of 840 persons, 450 persons read Hindi, 300 read English and 200 read both. Then find the number of persons who read neither Hindi nor English.
- Is it true that for any sets A and B ,
 $P(A) \cup P(B) = P(A \cup B)$? Justify your answer.

L. A. TYPE

- In a survey it was found that 21 people liked product A, 26 liked product B and 29 liked product C. If 14 people liked products A & B, 12 people liked products C & A, 14 people liked products B & C and 8 liked all the three products. Find how many liked product C only.
- In a survey of 25 students, it was found that 15 had taken mathematics, 12 had taken physics and 11 had taken chemistry, 5 had taken mathematics and chemistry, 9 had taken mathematics and physics, 4 had taken physics and chemistry and 3 had taken all the 3 subjects. Find the number of students that had
 - only chemistry
 - physics and chemistry, but not mathematics
 - only one of the subjects
 - at least one of the three subjects
 - none of the subjects.
- From 50 students taking examinations in Mathematics, Physics and Chemistry, each of the student has passed in at least one of the subjects, 37 passed Mathematics, 24 Physics and 43 Chemistry. At most 19 passed Mathematics and Physics, at most 29 Mathematics and Chemistry and at most 20 Physics and Chemistry.
What is the largest possible number that could have passed all three examinations?
- A college awarded 38 medals in football, 15 in basketball and 20 in cricket. If these medals went to a total of 58 men and only three men got medals in all the three sports, how many received medals in exactly two of the three sports?

5. In a survey of 60 people, it was found that 25 people read newspaper H, 26 read newspaper T, 26 read newspaper I, 9 read both H & I, 11 read both H and T. 8 read both T & I, 3 read all three newspapers. Find:
 - a. The number of people who read at least one of the newspapers.
 - b. The number of people who read exactly one newspaper.
6. In a survey of 400 students in a school, 100 were listed as taking apple juice. 150 as taking orange juice and 75 were listed as taking both apple as well as orange juice. Find how many students were taking neither apple juice nor orange juice.
7. There are 200 individuals with a skin disorder, 120 had been exposed to chemical C_1 , 50 to chemical C_2 , and 30 to both chemicals C_1 and C_2 . Find the number of individuals exposed to Chemical C_1 , but not chemical C_2 ,
 - (ii) Chemical C_2 but not chemical C_1 , (iii) Chemical C_1 or chemical C_2 .
8. If the n th term of an AP is $2n-1$, find the sum of first 12 terms.
9. What is the sum of odd numbers between 1 and 100.
10. Sum of three consecutive terms of an AP is 51 and the product of its first and third term is 273. Find the AP.

Information Techonology:-

1. Write a python program to find the factorial of given number.
2. Write a python program to find the compound interest.
3. Write a python program to check the given number is Armstrong number or not.
4. Write a python program to find all prime numbers in an interval
5. Write a program to print Fibonacci series up to n^{th} number.
6. Write a python program to print ASCII Value of a character.
7. Write a Python program to print the following patterns –

(a)	<pre> * * * * * * * * *</pre>	(b)	<pre> * * * * * * * * *</pre>
(c)	<pre> 1 1 2 1 1 2 3 2 1 1 2 1 1</pre>	(d)	<pre> * * * * * * * * * * * *</pre>

Subject – BUSINESS STUDIES

- # Prepare a collage on different Marketing Tools used by companies in market (mostly used by companies in India).
- # Collect the information of Cooperative society working in your state.
- # Prepare a Business plan of any Goods or Services where would you like to invest.
- # Find out the factors to be consider before starting any Business.
- # Find out the important points of Memorandum and Article of Association of any Indian Company.

Subject –ACCOUNTANCY

- # How to register a company in your state and prepare report on its process.
- # How to register a Partnership Firm in your state prepare report on its process.
- # Solve Additional questions of Journal Entries given in your book.
- # Solve Additional questions of Cash Book given in your book.
- # Prepare a report on Goods and Service Tax (Indirect Tax)
