Kendriya Vidyalaya N.A.D. Karanja
Winter Break Holiday Homework 2022-2023
Class :- XI (A/B/C)
Note :- Students go for according to your Subjects.

Subject :- English

-Solve your December HY Question Paper.

-Read remaining lessons, poems and stories other than prescribed for HY and based on your reading, write a paragraph of 10 lines for each.

-Attempt any 2 Note-making passages with summay.

-Write any 4 classified advertisements on different themes.

Subject :- Hindi (हिंदी)

परियोजना कार्य (खुले रंगीन पृष्ठों पर लिखकर फ़ाइल में)

➢ कवि भवानी प्रसाद मिश्र तथा दुष्यंत कुमार की दो-दो कविताएँ लिखिए I
➢ दो दृश्य वर्णन चित्र सहित (100 शब्दों में) लिखिए –
  - हवाई अड्डे का दृश्य
  - अस्पताल का दृश्य
  - समुद्र के किनारे सूर्यास्त का दृश्य
  - पहाड़/ गाँव की सुबह का दृश्य
➢ किसी *एक लेखक* / *कवि* के विषय में जानकारी (चित्र सहित) लगभग 3 पृष्ठों में लिखिए I
  - मुंशी प्रेमचंद
  - शेखर जोशी
  - मीराबाई
  - कबीर
➢ दो कार्यालयी/ संपादकीय पत्र लिखिए I
➢ डायरी लेखन – 2 (60-80 शब्दों में)

Subject :- Maths

- Solve the misc. Exercise of trigonometric functions, complex numbers.
- Complete the maths lab activities up-to straight lines, as discussed in the class.
- Make a note book of important formulas chapter wise and important graphs of Type of functions and trigonometric functions.

Subject :- Physics

1. A wire increases by 10^{-3} of its length when a stress of 1×10^8 Nm^{-2} is applied to it. What is the Young's modulus of the material of the wire
2. Two parallel steel wires A and B are fixed to rigid support at the upper ends and subjected to the same load at the lower ends. The lengths of the wires are in the ratio 4:5 and their radii are in the ratio 4:3. The increase in the length of the wire A is 1 mm. Calculate the increase in the length of the wire B.
3. Two wires made of the same material are subjected to forces in the ratio of 1: 4. Their lengths are in the ratio 8: 1 and diameter in the ratio 2 : 1. Find the ratio of their extensions.
4. Two wires of equal cross-section but one made of steel and the other copper are joined end to end. When the combination is kept under tension, the elongation in the two wires is found to be equal. Given Young's moduli of steel and copper are 2.0×10^{11} Nm^{-2} and 1.1×10^{11} Nm^{-2}. Find the ratio between the lengths of steel and copper wires.
5. The breaking stress for a metal is 7.8×10^9 Nm^{-2}. Calculate the maximum length of the wire made of this metal which may be suspended without breaking. The density of the metal $7.8 \times 10^3 kg$ m^{-3}. Take g =10 Nkg^{-1}.
6. A Solid sphere of radius 10 cm is subjected to a uniform pressure = 5×10^8 Nm^{-2}. Determine the consequent change in volume. Bulk modulus of the material of the sphere is equal to 3.14×10^{11} Nm^{-2}.
7. Find the change in volume which 1 m^3 of water will undergo when taken from the surface to the bottom of a lake 100 m deep. Given volume elasticity of water is 22,000 atmosphere.
8. A metallic cube whose each side is 10 cm is subjected to a shearing force of 100 kg f. The top face is displaced through 0.25 cm with respect to the bottom. Calculate the shearing stress, strain and shear modulus.
9. A steel wire of length 2.0 m is stretched through 2.0 mm. The cross-sectional area of the wire is 4.0 mm^2. Calculate the elastic potential energy stored in the wire in the stretched condition. Young's modulus of steel is 2.0×10^{11} Nm^{-2}.
10. If the Young's modulus of steel is 2×10^{11} Nm^{-2}, calculate the work done in stretching a steel wire 100 cm in length and of cross-sectional area 0.03 cm^2 when a load of 20 kg is slowly applied without the elastic limit being reached.
11. A light rod of length 2 m is suspended horizontally by means of two vertical wires of equal lengths tied to its ends. One of the wires is made of steel and is of cross-section A_1 = 0.1 cm^2 and the other is of brass and is of cross-section A_2 = 0.2 cm^2. Find out the position along the rod at which a weight must be suspended to produce (i) equal stresses in both wires, (ii) equal strains in both wires. For steel, Y = 20×10^{11} Nm^{-2}.and for brass Y = 10×10^{11} Nm^{-2}.

Subject :- Chemistry

- Solve Half yearly question paper.
- Complete and submit the given CBSE project.
- Revise Chapter -4 and chapter-6.
- Complete your classwork and homework notebook.

Subject :- Biology

1. PREPARE AN INVESTIGATORY PROJECT ON
BIOGEOPOLETICAL,SOCIOBIOLOGY—NUTRITION,CHILD HEALTH, FEMALE
FOETICIDE,LARGE FAMILIES ,PANDEMICS PAST AND PRESENT,VIRAL EVOLUTION
ETC. YOU MAY CHOOSE TOPIC OF YOUR CHOICE IT MUST INCLUDE DATA AND ITS
INTERPRETATION,GRAPHS,CHARTS,DIAGRAMS.
CONTACT YOUR PEER ,IT SHOULD BE DIFFERENT FOR ALL.
2. COMPLETE TEXT BOOK EXERCISES.
3. COMPLETE PRACTICALS .

Subject :- Accountancy

SUBJECT: ACCOUNTANCY

Solve the following questions in your Accountancy Home work Notebook:

1. If one error nullifies the effect of another error, such errors are called …………….

2. Errors committed due to lack of basis principle of Accounting are called –

(a) Compensating errors. (b) Error of principle.   (c) Single sided error.   (d) None of these.

3. Final accounts are not affected through rectification of errors. State true or false.

4. On 1st April, 2009, a Company bought Plant and Machinery costing ₹ 68,000. It is estimated that its working life is 10 years, at the end of which it will fetch ₹ 8,000. Additions are made on 1st April, 2010 to the value of ₹ 40,000 (Residual value ₹ 4,000). More additions are made on Oct. 1, 2011 to the value of ₹ 9,800 (Break up value ₹ 800). The working life of both the additional Plant and machinery is 20 years.

Show the Plant and Machinery account for the first four years, if depreciation is written off according to Straight Line Method. The accounts are closed on 31st March every year.

5. On 1st January, 2006, A Ltd. Purchased a machine for ₹ 2,40,000 and spent ₹ 10,000 on its erection. On 1st July, 2006 an additional machinery costing ₹ 1,00,000 was purchased. On 1st July, 2008 the machine purchased on 1st January, 2006 was sold for ₹1,43,000 and on the same date, a new machine was purchased at a cost of ₹ 2,00,000. Show the Machinery Account for the first three calendar years after charging depreciation at 5% by the Straight Line Method.

6. A firm purchased on 1st April, 2009, a second-hand Machinery for ₹ 36,000 and spent ₹4,000 on its installation. On 1st Oct. in the same year another Machinery costing ₹20,000 was purchased. On 1st Oct., 2011, the Machinery bought on 1st April, 2009 was sold off for ₹ 12,000 and on the same date a fresh Machine was purchased for ₹ 64,000. Depreciation is provided annually on 31st March, @ 10% p.a. on the Written Down Value Method. Show the Machine A/c from 1st April, 2009 to 31st March, 2013.

7. On July 1, 2005 Pushpak Ltd. purchased a machinery for ₹ 5,70,000 and paid ₹ 30,000 for its overhauling and installation. Depreciation is provided @ 20% p.a. on Original Cost Method and the books are closed on 31st March every year. The machine was sold on 31st January 2008 for a sum of ₹ 1,60,000. You are required to show the Machinery Account and Provision for Depreciation Account for three years.

8. Star Ltd. Purchased 10 trucks at Rs. 5,40,000 each on 1st July, 2011. On 1st January, 2014, One of the truck is involved in an accident and is completely destroyed. A sum of Rs. 3,24,000 is received from the Insurance Company in full settlement. On the same date, another truck is purchased by the company for a sum of Rs. 6,00,000. The company writes off depreciation @ 20% p.a. on the original cost and closes its books every year on 31st March. Give the Trucks Account for three years ending 31st March, 2014.

9. Rectify the following errors:
(i) Credit sales to Mridula ₹ 5,000 were recorded as ₹ 500.
(ii) Credit purchases from Nayna ₹ 8,000 were recorded as ₹ 800.
(iii) Goods returned to Priya ₹ 12,000 were recorded as ₹ 1,200.
(iv) Goods returned from Rashi ₹ 10,000 were recorded as ₹ 1,000.

(v) A credit sales of goods to Ram ₹ 2,500 has been wrongly passed through the 'Purchases Book'.
(vi) Credit purchase of goods from Shyam amounting to ₹ 1,000 has been wrongly passed through the 'Sales Book'.
(vii) A return of goods worth ₹ 1,100 to Mohan was passed through the 'Sales Return Book'.
(viii) A return of goods worth ₹ 500 by Ganesh was entered in 'Purchases Return Book'.

SUBJECT - BUSINESS STUDIES

1. A company wants to issue such shares which do not have the right of preference for payment of dividend and refund of capital at the time of liquidation. Identify such shares.

2. Why are retained profits called self-financing?

3. Why share capital is known as owned funds?

4. Why are debentures known as borrowed funds?

5. Why are equity shareholders referred to as 'residual owners'?

6. Debentureholders are entitled to a fixed rate of interest. State True/False? Give reason.

Pranav Udyog Ltd. is a company manufacturing electric devices. The company's financial manager, Mr. Dhruv, in order to fulfill the long-term financial need, wants to raise the cheapest source of finance.

Identify the source of finance.

7. Identify the source of finance highlighted:

(a) It facilitates the purchase of goods and services without making immediate payment.

(b) It refers to that part of profit which is kept as reserve for use in future.

(c) This source has characteristics of both equity shares and debentures.

(d) It is also known as ploughing back of profits.

(e) It is a permanent source of capital and is not redeemed during the life time of the company.

8. The director of a company have decided to expand the business activities by purchasing fully automatic machinery worth Rs. 50 crores. As a finance manager, advice the director about the various sources of finance available to the company.

.

Subject :- Economics

1. Read "The Economic Times" newspaper in a daily basis and note down the headlines & its interpretation your homework notebook. (Microeconomics)
2. Solve illustrations and unsolved question of Mean, Median and Elasticity of demand from Reference Book (statistics book) in home work notebook.
3. All students must make projects as per CBSE pattern (2022-2023) on given topics for final exam.

Subject :- History

Q. 1 Make the important notes of chapter 7 to 10 of History textbook

Q.2 Write any 5 very short answer questions, 5 short answer

questions,and 5 MCQ with answers from taught chapter 7&10 of

history textbook

Q.3 Make any one Question paper from all taught chapters with

answers.

Q.4 make a vedio (MM-60 Seconds)related to orissa state and a

project (on A4 size paper) related to orissa states -

culture,history,languages,society,fastivals etc.

Q 5 complete the practical file

Q. 6 write a short note on

Leonardo da Vinci

Martin Luther

Copernicus

Native of America and Australia

Subject :- Computer Science

Q.1. What do you means by list in Python? Explain its features. Write use of insert(),pop(),extend() & len().

Q.2. Is a list mutable? Justify.

Q.3.Does a list need to be homogeneous/same values? Explain with suitable example.

Q.4. Differentiate between append and extend?

Q.5. Differentiate between for and while.

Q.6.Write a note on:

I. Slicing

II. Indexing

Q.7. Write program for: Prime numbers

Armstrong number

Solve half yearly question paper.

Subject :- Informatics Practices

Q.1. What do you means by dictionary in Python? Explain its features.

Q.2. Is a list mutable? Justify.

Q.3.Does a list need to be homogeneous/same values?

Q.4. Differentiate between append and extend?

Q.5. Differentiate between "remove" and "pop"?

Q.6.Write a note on:

I. Slicing

II. DBMS

III. Loop

IV. Create table

V. Sort

Solve half yearly question paper.

Subject :- Geography

Complete following work in practical work book.
1. Introduction to Maps
2. Map Scale
3. Latitude, Longitude and Time
4. Map Projections
5. Topographical Maps
7. Introduction To Remote Sensing

Subject :- Political Science

i. Complete project work
ii. Solve sample papers given at CBSE website

Subject :- Physical and Health Education (Games and Sports)

Chapter - *Balanced Diet and Nutrition.*
Questions-
1. Explain the components of the balanced diet?
2. Make your own diet plan of weekly (Mon to Sunday- Breakfast- Lunch- Evening snacks- Dinner etc.)

WISH YOU ALL THE BEST

STAY SAFE,

BE HAPPY AND HEALTHY

Wish You All a Very Happy Christmas & New Year

Submit holiday homework on first day of reopening of the Vidyalaya