PM SHRI KENDRIYA VIDYALAYA PASIGHAT

WINTER BREAK HOLIDAY HOMEWORK

2023-24

CLASS XI

SUBJECT: ACCOUNTANCY

Solve the following questions.

Q1.Rectify the following errors assuming that suspension account was opened. Ascertain the difference in trial balance.

(i) Furniture purchased for ₹ 10,000 wrongly debited to purchase account as ₹ 4,000

(ii) Repairs on machinery ₹ 1,400 debited to Machinery account as ₹ 2,400

(iii) Repairs on overhauling of second hand machinery purchased ₹ 2,000 was debited to Repairs account as ₹ 200.

(iv) Sale of old machinery at book value ₹ 3,000 was credited to sales account as ₹ 5,000.

Q 2. Trial balance of Anuj did not agree. It showed an excess credit of ₹ 6,000. He put the difference to suspense account. He discovered the following error:

(i) Cash received from Ravish ₹ 8,000 posted to his account as ₹ 6,000.

(ii) Returns inwards book overcast by ₹ 1,000.

(iii) Total of sales book ₹ 10,000 was not posted to Sales account.

(iv) Credit purchases from Nanak ₹ 7,000 were recorded in sales Book. However Nanak's account was correctly credited

(v) Machinery purchased for ₹ 10,000 was posted to purchases account as ₹ 5,000. Rectify the errors and prepare Suspense account

3. Rectify the following errors by passing the rectifying entries using Suspense A/c.

(a) Credit Sale of ₹ 2,000 to Rohan was posted to Raman's A/c.

(b) Sales Return book is under cast by ₹ 1,000

(c) Paid ₹ 20,000 as wages for construction of building debited to wages A/c ₹ 20,000

(d) ₹ 1,000 paid in cash for a typewriter was charged to office expense account.

4. Rectify the following errors & ascertain the amount of difference in trial balance by preparing Suspense A/c:

(i) Credit sales to Mohan ₹ 7,000 were posted as ₹ 9,000.

(ii) Credit purchases from Rohan ₹ 9,000 were posted as ₹ 6,000.

(iii) Goods returned to Rakesh ₹ 4,000 were posted as ₹ 5,000.

(iv) Goods returned from Mahesh ₹ 1,000 were posted as ₹ 3,000.

(v) Cash sales ₹ 2,000 were posted as ₹ 200.

5. Find the cost of goods sold and closing stock from the following information:

Sales ₹ 4,30,000;

Return inward ₹

5,000; Gross profit ₹

1,00,000; Opening
stock ₹ 35,000;
Purchases ₹ 2,85,000;
Wages ₹ 27,000;
Other direct expenses ₹ 16,000.

6. Prepare a trading account of M/s Anjali from the following information related to March 31, 2023.

Opening stock	60,000
Purchases	3,00,000
Sales	7,50,000
Purchases return	18,000
Sales return	30,000
Carriage on purchases	12,000
Carriage on sales	15,000
Factory rent	18,000
Office rent	18,000
Dock and Clearing charges	48,000
Freight and Octroi	6,500
Coal, Gas and Water	10,000

7.

. On 31st March, 2023 the following trial Balances was extracted from the books of Mohan:

Particulars	Dr. Amt. (₹)	Cr. Amt. (₹)
Capital......................	-----	30,000
Drawings	5,000	-----
Debtors & Creditors	20,000	10,000
Loan	-----	9,500
Interest on Loan	300	-----
Cash	2,000	-----
Provision for Bad Debts	-----	700
Stock (1st April, 2022)	6,800	-----
Motor Vehicles..............	10,000	-----
Bank	3,500	-----
Land & Building	12,000	-----
Bad Debts	500	-----
Purchases & Sales.............	66,000	1,10,000
Returns	8,000	1,500
Carriage Outwards	2,500	-----
Carriage Inwards	3,000	-----
Salaries....................	9,000	-----
Rent and Insurance	3,000	-----
Advertising	3,500	-----
Discount	-----	500
General Expenses.............	3,400	-----
Bills Receivable & Bills Payable	6,000	2,000
Rent Received	-----	300

Stock on 31st March, 2023 was valued at ₹ 7, 000.

Prepare the Trading Account and Profit and Loss Account for the year ended 31st March, 2023 & the Balance Sheet as on that date.

8.

4. Following is the Trial Balance of Rama & Co. for the year ending 31st December 2022. PrepareTrading and Profit and Loss Account and Balance Sheet:

Name of Account	Dr. Balance (₹)	Cr. Balance (₹)
Drawing and Capital	4,000	23,000
Furniture	8,000	----
Apprentice Premium	----	1,000
Machinery	20,000	----
Bad debts	350	----
Provision for bad debts	----	500
Sundry debtors and Creditors	8,200	5,000
Stock on January 1, 2022	7,400	----
Purchases and sales	75,000	1,05,000
Bank overdraft	----	2,600
Sales return and purchase returns	500	400
Advertisement	2,400	----
Interest	200	----
Commission	----	400
Cash in hand	1,650	----
Taxes and Insurance	3,200	----
Carriage and Freight	1,500	----
Salaries	5,500	----

Adjustments:

The following adjustments are to be made:

(i)   Stock in hand on 31st December 2022 was value ₹ 8,250.

(ii)   Salary is paid at ₹ 500 for month.

(iii)   Tax outstanding ₹ 300 and insurance is prepaid ₹ 400.

(iv)   Write off furniture bad debts ₹ 200 and create provision for bad debts on debtors at 5%.

(v)   Apprentice Premium ₹ 300 is related to 2023.

(vi)   Commission Accrued ₹ 100.

PM SHRI KENDRIYA VIDYALAYA PASIGHAT

Winter break homework – 2023

Cass -XI B

Sub: Economics
Name of the teacher: Sreejith M J (PGT ECO)

1. Make a scattered diagram of the data given below. Does any relationship exist between the two?

X	4	5	6	7	8	9	10	11	12	13	14	15
Y	78	72	66	60	54	48	42	36	30	24	18	12

2. Calculate coefficient of correlation of the age of husband and wife using Karl Pearson's method.

Husband (Age)	23	27	28	29	30	31	33	35	36
Wife (Age)	18	20	22	27	29	27	29	28	29

3. Calculate correlation of the following data using Karl Pearson's method:

Series A	112	114	108	124	145	150	119	125	147	150
Series B	200	190	214	187	170	170	210	190	180	181

4. Using assumed average in Karl Pearson's formula, calculate coefficient of correlation, given the following data:

X	78	89	97	69	59	79	68	61
Y	125	137	156	112	107	106	123	138

5. Find out Karl Pearson's coefficient of correlation:

Capital Units (in '000)	10	20	30	40	50	60	70	80	90	100
Profit Receipt	2	4	8	5	10	15	14	20	22	30

6. Calculate coefficient of rank correlation, given the following data set.

X	20	11	72	65	43	29	50
Y	60	63	26	35	43	51	37

7. Seven students of a class secured following marks in Economics and History. Calculate coefficient of correlation with the help of these data.

Economics	66	90	89	55	58	44	42
History	58	76	65	58	53	49	56

8. Find out rank difference correlation of X and Y:

X	80	78	75	75	58	67	60	59
Y	12	13	14	14	14	16	15	17

9. Seven methods of teaching Economics in two universities are shown below. Calculate rank difference correlation.

Teaching Methods	I	II	III	IV	V	VI	VII
Rank of 'A's Students	2	1	5	3	4	7	6
Rank of 'B's Students	1	3	2	4	7	5	6

10. Calculate coefficient of correlation of the following data with rank difference and Karl Pearson's methods:

Economics (Marks)	77	54	27	52	14	35	90	25	56	60
Hindi (Marks)	35	58	60	46	50	40	35	56	44	42

Subject: Chemistry

1. What is the hybridisation of each carbon in $H_2C = C = CH_2$?
2. Explain, how is the electronegativity of carbon atoms related to their state of hybridisation in an organic compound?
3. Write structures of various carbocations that can be obtained from 2-methylbutane. Arrange these carbocations in order of increasing stability.
4. Give three points of differences between inductive effect and resonance effect.
5. Which of the following compounds will not exist as a resonance hybrid. Give reason for your answer
(i) CH_3OH
(ii) $R-CONH_2$
(iii) $CH_3CH=CHCH_2NH_2$
6. Why does SO_3 act as an electrophile?
7. Alcohol (boiling point 97°C) was mixed with a hydrocarbon (boiling point 68°C) by mistake. Suggest a suitable method to separate the two compounds. Explain the reason for your choice.

PM SHRI KENDRIYA VIDYALAYA PASIGHAT

2023-24

Winter Break Holiday Homework

Class: XI   **Sub: Physics**

Answer the following questions –

1. What is meant by shear modulus. Explain why the stretching of a coil spring is determined by its shear modulus.

2. Explain the Hooke's law of elasticity. Hence define modulus of elasticity.

3. A hot air balloon is ascending at the rate of 4.9 m/s. A metal ball is dropped from the balloon when situated at a height of 245m. How long does it take for the ball to reach the ground? What is its final velocity?

4. An elastic wire is cut to half its original length. How would it affect the maximum load that the wire can support?

5. A rigid bar of mass 15 kg is supported symmetrically by three wires each 2.0 m long. Those at each end are of copper and the middle one is of iron. Determine the ratio of their diameters if each is to have the same tension. (Given $Y_{iron} = 1.9 \times 10^{11}$ N/m^2, $Y_{Copper} = 1.0 \times 10^{11}$ N/m^2)

6. Draw and explain the graph of Stress vs Strain.

P.M. Shri Kendriya Vidyalaya Pasighat
Winter Break Holiday Homework
2023-24

Subject: Computer Science

Q. Write the program and show output. (Try any 14 questions)

1. Hello, Name! Chatbot
   Write a program that takes a user's name as input and prints a greeting message and continue the conversation.

2. Sum of Two Numbers
   Write a program that takes two numbers as input and prints their sum.

3. Even or Odd
   Write a program that takes a number as input and prints whether it's even or odd.

4. Calculator
   Create a simple calculator program that takes two numbers and an operation (addition, subtraction, multiplication, division) as input and performs the operation.

5. Factorial Calculator
   Write a program to calculate the factorial of a given number.

6. Guess the Number
   Generate a random number and ask the user to guess it. Provide hints if the guess is too high or too low.

7. Palindrome Checker
   Write a program that checks if a given string is a palindrome (reads the same backward as forward).

8. Reverse a String
   Write a program to reverse a given string.

9. Fibonacci Sequence
   Generate the Fibonacci sequence up to a certain number of terms.

10. List Manipulation
    Create a list of numbers, and write a program to find the sum, average, maximum, and minimum values

11. Prime Number Checker
    Write a program that checks whether a given number is prime or not.

12. Rock, Paper, Scissors Game
    Implement a simple text-based rock, paper, scissors game where the user plays against the computer.

PM SHRI KENDRIYA VIDYALAYA PASIGHAT

WINTER BREAK HOMEWORK

2023-24

CLASS XI

Subject: I.P.

Q1. Create Presentation on any topics (majorly on Database, MySQL and Python Programming). Presentation must include the Syntax and program execution with output screenshot.

CLASS XI Sci

Sub- BIOLOGY

Q.1. Study the electron transport system from your Biology Book and answer the following questions -

  a) In which stages or complexes energy are released? Name the stages.

  b) Final electron acceptor in ETS is which protein?

Q.2. Calculate the respiratory balance sheet of aerobic respiration.

Q.3. Explain the electron transport system in detail with a labelled diagram.

Q.4. Differentiate between arithmetic growth and geometric growth.

Q.5. Mention the physiological effect of indole-3-acetic acid in plants.

Q.6. Draw a diagram in a chart on the following topics-

  Human respiratory system, human circulatory system, human excretory system, structure of kidney, structure of nephron, human skeletal system.

Q.7. Name any three respiratory disorders and mention their symptoms and prevention measures.

Q.8. Expand the following - TV, IRV, RV, VC, EC.

Q.9. Define partial pressure. Explain its role in exchange of gases in human respiratory system.

Q.10. Prepare a investigator file on the following topics-

a) Common medicinal plants found in East Siang district of Arunachal Pradesh

b) Common communicable diseases and its prevention

c) Mitosis in onion root tip cells.

d) Transpiration in plants .

e) Malnutrition in humans.

f) Use of chemical fertilizers and manures.

PM SHRI KENDRIYA VIDYALAYA PASIGHAT
Winter Break Holiday Homework
2023-24

Subject: English

CLASS	BOOK	CHAPTER	ACTIVITY
XI	Hornbill	Silk Road	**I. Give reasons for the following statements.1. The article has been titled 'Silk Road.'** 2. **Tibetan mastiffs were popular in China's imperial courts.** 3. **The author's experience at Hor was in stark contrast to earlier accounts of the place.** 4. **The author was disappointed with Darchen.** 5. **The author thought that his positive thinking strategy worked well after all.** 6. **The purpose of the author's journey to Mount Kailash.** 7. **The author's physical condition in Darchen.** 8. **The author's meeting with Norbu.** 9. **Tsetan's support to the author during the journey.** 10. **"As a Buddhist, he told me, he knew that it didn't really matter if I passed away, but he thought it would be bad for business."** 11. **Notice the kind of English Tsetan uses while talking to the author. How do you think he picked it up?** **12.2. What do the following utterances indicate?(i) "I told her, through Daniel …"** **(ii) "It's a cold," he said finally through Tsetan.** **13.Guess the meaning of the following** **words. kora drokba kyang** **In which language are these words found?** **Summary, Theme, Characters, Appropriateness of Title.**
XI	Snapshots	The Tale of Melon City	1.What impression would you form of a state where the King was 'just and placid'? 2.How, according to you, can peace and liberty be maintained in a state? 3.Suggest a few instances in the poem which highlight humour and irony 4.'The Tale of Melon City' has been narrated in verse form. This is a unique style which lends extra charm to an ancient tale. Find similar examples in your language. Share them in the class

			Summary, Theme, Characters, Appropriateness of Title.
XI		Speech writing	**Question 1:** You are Anshu/Anita. You have secured 95 per cent marks in English. Your English teacher has persuaded you to share the secret of your success with your schoolmates. You decide to deliver a speech 'English is an extremely scoring subject' in the morning assembly. Write the speech in about 150-200 words. **Question 2:** Arun Kumar is a resident of Kalkaji. He is an active member of citizens' forum. He is shocked to read the news that the Government has decided to increase the prices, of petroleum products with immediate effect. He wants to enlighten fellow citizens about the impact of Government decision on common man. Draft Arun's speech in about 150-200 words highlighting the impact of the hike in prices of petroleum products on the life of common man.

Subject : MATH.

Class : XI

Chapter	Exercise
5	(5.1) Q.no.- 2, 4, 7, 9, 12, 14
	(5.2) Q. no. - 4, 5, 7,
	miscellaneous - 1, 5, 7, 10, 12, 15, 17
7.	(7.3) Q. no. - 8, 10, 11
	miscellaneous - 4, 5, 7, 9
8.	(8.1) Q. no. - 11
	miscellaneous - 4, 9, 10
9.	(9.3) Q. no.- 11, 13, 17, 25, 28, 29, 30
	miscellaneous - 3, 7, 17, 18, 19, 20.
10.	All miscellaneous
11.	All miscellaneous
12.	All miscellaneous.

पीएम श्री केंद्रीय विद्यालय पासीघाट

शीतकालीन अवकाश गृह कार्य

कक्षा ग्यारहवीं 2023- 24

विषय - हिन्दी

प्रश्न 1 अनुच्छेद लेखन

(1) सोशल मीडिया - वरदान या अभिशाप

(2) स्वच्छता - अनिवार्य आवश्यकता

(3) रेलयात्रा का वर्णन

प्रश्न 2 डायरी, पत्र लेखन

(1) आपको विद्यालय में आयोजित काव्य - पाठ में पुरस्कार मिला, इस अनुभव को डायरी में लिखिए।

(2) परिवहन निगम को अपने गांव तक बस सुविधा आरंभ करवाने के लिए एक प्रार्थना पत्र लिखिए।

प्रश्न 3 ईमेल लेखन

आपके विद्यालय में गणतंत्र दिवस मनाया गया इस आयोजन की जानकारी देने के लिए विद्यालय के प्रबंधक को ईमेल लिखिए।

प्रश्न 4 आरोह पाठ्यपुस्तक

(1) ‘रजनी’ पाठ के आधार पर वर्तमान शिक्षा पद्धति पर टिप्पणी कीजिए।

(2) कबीर ने धार्मिक गुरुओं पर क्या व्यंग्य किया?

(3) विदाई संभाषण पाठ की करुणोत्पादकता को अपने शब्दों में लिखें।

(4) सरकारी कार्यालयों की व्यवस्था के बारे में प्रस्तुत पाठ में क्या बताया गया है?

(5) रजनी के चरित्र की विशेषताएं लिखिए।

प्रश्न 5 वितान पाठ्यपुस्तक

(1) ‘आलो - आंधारि’ पाठ को पढ़ने से यह अनुभूति स्पष्ट होती है कि साहित्य समाज का दर्पण है। स्पष्ट कीजिए।

(2) 'नारी समाज का अभिन्न अंग है ' कैसे? स्पष्ट कीजिए।

(3) 'राजस्थान की रजत बूंदे ' पाठ में किस समस्या की ओर संकेत किया गया है? यह पाठ आपको क्या संदेश देता है?

(4) कुंई, कुंए से किस प्रकार भिन्न होती है तथा कुंई कहाँ - कहाँ पाई जाती है?

प्रश्न 6 अभिव्यक्ति और माध्यम पाठ्यपुस्तक

(1) पत्रकारिता के विभिन्न प्रकारों को विस्तार पूर्वक लिखिए।

(2) पेज थ्री पत्रकारिता क्या है?

(3) संपादक के सिद्धांतो पर विस्तारपूर्वक चर्चा कीजिए।

(4) पीत पत्रकारिता क्या है?

(5) पत्रकारिता के विभिन्न बैसाखियों को अपने शब्दों में लिखिए।

नोट- कक्षा में पढ़ाया गया सभी कार्य दोहराएं एवं सभी पाठों को ध्यान पूर्वक पढ़ें विद्यालय खुलने के बाद आपकेसामयिक परीक्षा शुरू कराए जाएंगे।

PM SHRI KENDRIYA VIDYALAYA PASIGHAT

WINTER BREAK HOLIDAY HOMEWORK

2023-24

CLASS XI

Subject: Business Studies

Solve the following questions.

1 (a) What advantages does issue of debentures provide over the issue of equity shares?

2. Explain. Explain the following terms of business finance: (i) Debentures (ii) Trade Credit

3. What are the roles of National Small Industries Corporation to support and boost up the small industries in India? Explain.

4. Describe briefly the problems of small -scale enterprises.

5. Explain in brief four 'Intellectual Properties'.

6. (a) How does market information provided by the wholesalers benefit the manufacturers?

  (b) How does the wholesaler help the manufacturer in availing the economies of scale?

OR What are the services offered by retailers to wholesalers? Explain.

7. Define the Small Business according to MSMED Act 2006.

8. Small-scale industries play a significant role in our country. Also, various areas of the country are perfect places to start a small-scale industry. With respect to these, answer the following questions: What is the definition of a small-scale industry according to the government? State its role in rural India

9. A large industrial enterprise wants to expand its business and bring about financing modernization. What are the various sources through which they can gain capital to fulfil their ideology?

10. MrJack is an owner of a large-sized company selling garments. He is determined to bring his products to the Indian market. However, he is confused whether to distribute goods through wholesalers or set up his own multiple shops. Give a suggestion to him with reasons .