



Delhi Public School BULANDSHAHR



Holiday Homework

Class : XI (Physical Education)

Session : 2024-25

PRACTICAL 1.

Write about **Any one IOA recognized Sport/game(Badminton, Football, Basketball, Cricket, Athletics, Hockey, Table Tennis, Volleyball)** of your choice under the following heads-

- i) Labelled diagram of field and equipments.
- ii) Rules of the game/sport.
- iii) Terminologies of the game/sport.
- iv) Skills of the game/sport.
- v) Important personalities (National and International)

Note- Holiday Homework must be done in Physical Education practical file and Paste or draw at least 20 suitable pictures related to above mentioned topics.

Class : XI (Comp Sc)

Session : 2024-25

1. Write a program to find out the largest number out of given three numbers. 3
 2. Write a program to calculate simple interest using formula $SI = P * R * T / 100$. Rate will be 5% if the principal amount is less than 25000 otherwise rate will be 8 %.
 3. Write a program to find out whether a given year is leap year.
 4. Write a program to find out whether a number is odd or even.
 5. Write a program to calculate bonus for employees based on following conditions:
if the employee is male bonus will be 10 % of salary where salary is less than 50000 otherwise bonus will be 15 % if the employee is female bonus will be 20 % of salary where salary is less than 50000 otherwise bonus will be 25 %
 6. Write a program to calculate and print the roots of quadratic equation $ax^2 + bx + c = 0$. The program should display suitable message whether roots are real, equal, different or imaginary. 4
 7. Write a program to accept an integer and display the corresponding day of week i.e. 1 for Monday, 2 for Tuesday and so on. If the number is not in 1 to 7 it should display a message "Invalid Day Number".
 8. Write a program to find out the grade of student based on his obtained percent as per following conditions: 4
- | Percent | Grade |
|----------|-------|
| <33 | F |
| 33 to 44 | E |
| 45 to 59 | D |
| 60 to 74 | C |

75 to 89 B
90 and above A

9. Write a program to calculate electricity charges based on number of consumed electricity units as per following conditions: 4

Units Charges

Upto 100 Rs. 2 per unit

101 - 200 Rs. 200 + Rs. 3.5 per unit for units exceeding 100

201 - 300 Rs. 550 + Rs. 7.5 per unit for units exceeding 200

301 & above Rs. 1300 + Rs. 9 per unit for units exceeding 300

10. Write a program to print whether a given character is an uppercase or a lowercase letter or a digit or any other character. 3

20. Write a program to input three angles and determine if they form a triangle or not. (Hint : sum of angles of a triangle is 180) 2

21. Write a program to calculate BMI of a person after inputting its weight in kgs and height in meters and then print the nutritional status as per following table : 3

Nutritional Status WHO criteria BMI cut-off

Underweight less than 18.5

Normal 18.5 to 24.9

Overweight 25 – 29.9

Obese 30 or above

Formula to calculate BMI = weight in Kgms./ (height in meter)²

22 Explain with example one advantage of using if...elif statement over using if statement multiple times. 2

XI PHYSICS

SESSION 2024-2025

MCQ (WITH ONE CORRECT OPTION)

- A car travels first half of the distance between two places with a speed of 30 km/hr and remaining half with a speed of 50 km/hr. the average speed of the car is
 - 37.5 km/hr
 - 42 km/hr
 - 40 km/hr
 - 49 km/hr
- A car travelling on a straight track moves with uniform velocity of v_1 for some time and with uniform velocity of v_2 for the next equal time. Average velocity of the car is
 - $\sqrt{v_1 v_2}$
 - $\left(\frac{1}{v_1} + \frac{1}{v_2}\right)^{-1}$
 - $\frac{v_1 + v_2}{2}$
 - $2\left(\frac{1}{v_1} + \frac{1}{v_2}\right)^{-1}$
- A ball rolls up a slope. At the end of three seconds its velocity is 20 cm/s, at the end of eight seconds its velocity is 0. What is the average acceleration from the third to eight seconds?
 - -2.5 cm/s^2
 - -4.0 cm/s^2
 - -5.0 cm/s^2
 - -6.0 cm/s^2
- The displacement x of a particle varies with time t as $x = ae^{-\alpha t} + be^{\beta t}$ where a, b, α, β are positive constants. The velocity of the particle will
 - Go on decreasing with time
 - Be independent of α & β
 - Drop to zero when $\alpha = \beta$
 - Go on increasing on time.
- A body initially at rest is moving with uniform acceleration a . its velocity after n seconds is v . the displacement of the body in last 2 s is

a. $\frac{2v(n-1)}{n}$ b. $\frac{v(n-1)}{n}$ c. $\frac{v(n+1)}{n}$ d. $\frac{2v(n+1)}{n}$

6. A bullet fired into a fixed target loses half of its velocity after penetrating 3 cm. how much further will it penetrate before coming to rest assuming that it faces constant resistance in motion?
 a. 1.5 cm b. 1.0 cm c. 3.0 cm d. 2.0 cm
7. A car moving with the speed of 50 km/hr can be stopped by brakes after at least 6 m. If the same car is moving at a speed of 100 km/hr, the minimum stopping distance is
 a. 12 m b. 18 m c. 24 m d. 6 m
8. A car starting from rest, accelerates at the rate f through a distance s then continues at constant speed for time t and then decelerates at the rate $f/2$ to come to rest. If the total distance traversed is $5s$, then
 a. $s = ft$ b. $s = \frac{1}{6}ft^2$ c. $s = \frac{1}{2}ft^2$ d. $s = \frac{1}{4}ft^2$
9. The relation between time t and distance x is $t = ax^2 + bx$, where a and b are constants. The acceleration is
 a. $-2abv^2$ b. $-2bv^3$ c. $-2av^3$ d. $-2av^2$
10. The velocity of a particle is $v = v_0 + gt + ft^2$. If its position is $x = 0$ at $t = 0$, then its displacement after time ($t = 1$) is
 a. $v_0 + \frac{g}{2} + f$ b. $v_0 + 2g + 3f$ c. $v_0 + \frac{g}{2} + \frac{f}{3}$ d. $v_0 + g + f$
11. A ball is released from the top of a tower of height h meters. It takes T seconds to reach the ground. What is the position of the ball in $T/3$ seconds?
 a. $h/9$ meters from the ground
 b. $7h/9$ meters from the ground
 c. $8h/9$ meters from the ground
 d. $17h/18$ meters from the ground
12. A ball rolls up a slope. At the end of three seconds its velocity is 20 cm/s, at the end of eight seconds its velocity is 0. What is the average acceleration from the third to eight second?
 a. -2.5 cm/s^2 b. -4.0 cm/s^2 c. -5.0 cm/s^2 d. -6.0 cm/s^2
13. A ball is dropped from the top of a tower of 100 m height. Simultaneously another ball was thrown upward from bottom of the tower with a speed of 50 m/s. They will cross each other after
 a. 1 sec b. 2 sec c. 3 sec d. 4 sec
14. The velocity of a bullet is reduced from 200 m/s to 100m/s while travelling through a wooden plank of thickness 10cm. the retardation, assuming it to be uniform will be
 a. $10 \times 10^4 \text{ m/s}^2$ b. $12 \times 10^4 \text{ m/s}^2$ c. $13.5 \times 10^4 \text{ m/s}^2$ d. $15 \times 10^4 \text{ m/s}^2$
15. Two forces are such that the sum of their magnitudes is 18 N and their resultant has magnitude 12 N and is perpendicular to the smaller force. Then the magnitudes of forces are
 a. 12 N, 6 N b. 13 N, 5 N c. 10 N, 8 N d. 16 N 2 N
16. A particle is moving eastward with a velocity of 5 m/s. In 10 s, the velocity of the particle changes to 5 m/s northward. The average acceleration in this time
 a. $\frac{1}{\sqrt{2}} \text{ ms}^{-2}$ towards north – west.
 b. $\frac{1}{\sqrt{2}} \text{ ms}^{-2}$ towards north – east.
 c. $\frac{1}{2} \text{ ms}^{-2}$ towards north – west.
 d. Zero
17. A particle is moving with velocity $\vec{v} = k(y\vec{i} + x\vec{j})$, where k is a constant. The general equation for its path is
 a. $y^2 = x^2 + \text{constant}$
 b. $y = x^2 + \text{constant}$
 c. $y^2 = x + \text{constant}$

d. $xy = \text{constant}$

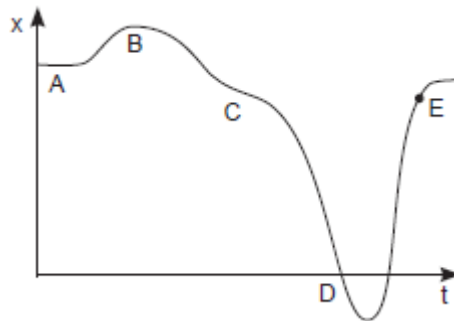
18. A lift is coming from 8th floor and is just about to reach 4th floor. Taking ground floor as origin and positive direction upwards for all quantities, which one of the following is correct?

- a. $x < 0, v < 0, a > 0$
- b. $x > 0, v < 0, a < 0$
- c. $x > 0, v < 0, a > 0$
- d. $x > 0, v > 0, a < 0$

19. A balloon is going upwards with velocity 12 m/sec. It releases a packet when it is at a height 65 m from the ground. How much time the packet will take to reach the ground? ($g = 10 \text{ m/s}^2$)

- a. 5 sec
- b. 6 sec
- c. 7 sec
- d. 8 sec

20. A graph of x versus t is shown in Fig. Choose correct alternatives from below.



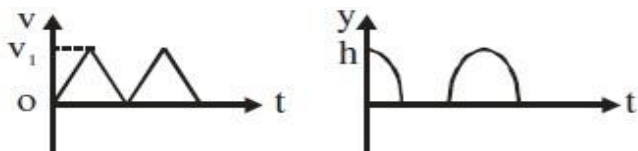
- a. The particle was released from rest at $t = 0$.
- b. At B, the acceleration $a > 0$.
- c. At C, the velocity and the acceleration vanish.
- d. The speed at D exceeds that at E.

21. A small block slides without friction down an inclined plane starting from rest. If S_n be the distance travelled from $t = (n-1)$ to $t = n$, then S_n / S_{n+1} is:

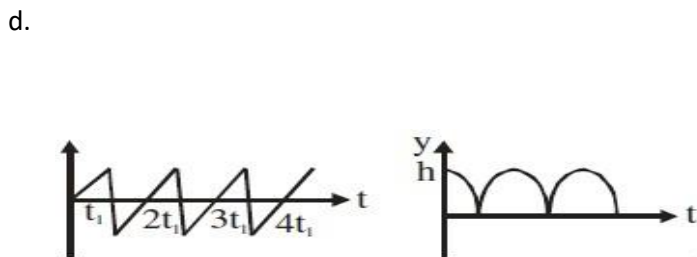
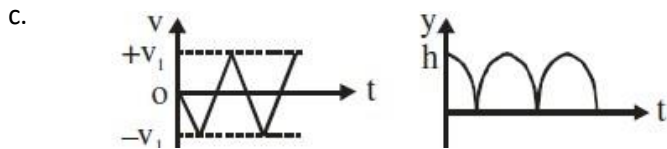
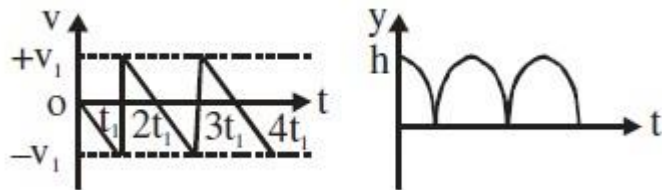
- a. $\frac{2n-1}{2n}$
- b. $\frac{2n-1}{2n+1}$
- c. $\frac{2n+1}{2n-1}$
- d. $\frac{2n}{2n+1}$

22. Consider a rubber ball freely falling from a height $h = 4.9 \text{ m}$ onto a horizontal elastic plate. Assume that the duration of collision with the plate is totally elastic. Then the velocity as a function of time and the height as function of time will be represented by the plots shown:

a.



b.



23. A monkey climbs up a slippery pole for 3 s and keeps on slipping for 3 s. At time t , its velocity is given by $v(t) = 2t(3 - t)$; $0 < t < 3$ and $v(t) = -(t - 3)(6 - t)$ for $3 < t < 6$ s (in m/s). It repeats this cycle till it reaches the height of 20 m. **Answer the following questions:**

(i) At what time is its velocity maximum?

- (a) 0.5 s (b) 1 s (c) 1.5 s (d) 2 s

(ii) At what time is its average velocity maximum?

- (a) $t = 0$ s (b) $t = 2.25$ s (c) $t = 4.5$ s (d) $t = 7$ s

(iii) At what time is its acceleration is maximum in magnitude?

- (a) $t = 0$ s (b) $t = 3$ s (c) Both (a) and (b) (d) Never

(iv) How many cycles (counting fractions) are required to reach the top?

- (a) 2 (b) 3 (c) 4 (d) 5

24. A ship A is moving westwards with a speed of 10 km/h and a ship B, 100 km south from A, is moving northwards with a speed of 10 km/h. The time after which the distance between them becomes shortest, is:

- a. 5h b. $5\sqrt{2}$ h c. $10\sqrt{2}$ h d. 0h

25. A boat which has a speed of 5 km/h in still water, crosses a river of width 1 km along the shortest possible path in 15 minutes. The speed of the river water in km/h, is:

- a. 1 b. 3 c. 4 d. $\sqrt{41}$

Class: XI

Subject: Chemistry

SESSION 2024-2025

1. How many g atoms are there in one atom?
2. Calculate the mass of one atom of hydrogen.
3. What is the mass of one mole of NaCl?
4. Calculate the no. of atoms and volume of 1 g of He gas at STP.
5. Calculate the no. of moles of the following:
(a) 7.85 g of Fe (b) 4.68 mg Si (c) 6m.6 μ g of C
6. How many atoms and g atoms are there in 4.6 g Na?
7. Calculate total no. of atoms in 18 g water.
8. Calculate the no. of Cl⁻ ions in 111 g CaCl₂.
9. Calculate the total no. of electrons in 1.6 g methane.
10. How many years would it take to spend Avogadro's number of rupees at the rate of 1 million rupees per second?
11. Calculate how many methane molecules and how many H and C atoms are there in 24 g of methane?
12. The % composition of ferrous ammonium sulphate is 14.32 % Fe²⁺, 9.20 % NH₄⁺, 49 % SO₄²⁻ and 27.57 % H₂O. What is the empirical formula of the compound?
13. 4 g of NaOH is dissolved in 500 mL water. What would be the molarity of the solution?
14. 1.4 g N₂ is present in 500 mL volume. What is the molar concentration of N₂?
15. What would be the molality of the solution obtained by dissolving 20 g Na₂CO₃ in 1000 g water?
16. 214.2 g sugar syrup contains 34.2 g sugar (C₁₂H₂₂O₁₁). Calculate (i) molar concentration
(ii) mole fraction of sugar in the solution.
17. If the density of methanol is 0.793 kg L⁻¹, what is the volume needed for making its 2.5 L of 0.25 M solution?
18. How many grams of H₂SO₄ are needed to completely dissolve 3 g MgCO₃ ?
19. A sample of HCl has 20 % hydrogen chloride. How many grams of this sample is needed to completely react with 50 g CaCO₃?
20. Solution of 7.8 g common salt is dissolved in a solution of 30 g AgNO₃. How much silver chloride will be formed and what will be the mass of residual AgNO₃?
21. Calculate mass of silver chloride obtained by action of AgNO₃ on 5.8 g of silver chloride.
22. If 20 g of CaCO₃ is treated with 20 g of HCl, how many grams of CO₂ will be produced?
23. 2 g of Mg is burnt in 1 g of O₂. What is the limiting reagent? What is the amount of MgO formed?

24. If 2000 g of N_2 reacts with 2000 g of H_2 , what will be the mass of ammonia formed and which will be the limiting reagent?
25. 3 g of H_2 reacts with 29 g of O_2 to give H_2O . What is the limiting reagent and the amount of water produced?
26. (i) The energy associated with first orbit in hydrogen atom is $-2.17 \times 10^{-18} \text{ J atom}^{-1}$. What is the energy associated with the fifth orbit ?
(ii) Calculate the radius of Bohr's fifth orbit for hydrogen atom.
27. What is the energy in joules required to shift the electron of the hydrogen atom from the first Bohr orbit to the fifth Bohr orbit and what is the wavelength of light emitted when the electron returns to the ground state ? The ground state electronic energy is $-2.18 \times 10^{-11} \text{ ergs}$.
28. Calculate the wavelength of an electron moving with a velocity of $2.05 \times 10^7 \text{ m s}^{-1}$.
29. Which of the following are iso-electronic species ?
 Na^+ , K^+ , Mg^{2+} , Ca^{2+} , S^{2-} , Ar.
30. Show that the circumference of the Bohr orbit for the hydrogen atom is an integral multiple of the de Broglie wavelength associated with the electron revolving around the orbit

Class : XI (Mathematics-041)

SESSION 2024-2025

Make the activity file and solve these

1. To find the number of subsets of A given set and verify that if a set has n number of elements, then find total number of subsets
2. To represent set theoretic operation using ven diagram.
3. To verify relation and function.
4. To verify the relation between the degree measure and the radian measure of an angle .
5. To make sine and cosines graphs with table.

Class : XI(Subject-Kathak Dance)

Session : 2024-25

1. History of Kathak Dance.
 2. Seven classical dance in India.
 3. Tandava and Lasya.
 4. Teen taal.
-

Class : XI(Political Science)
Session : 2024-25

Prepare a project file of any of the topics or Chapters of your text book of 1 or Two.
The project file should contain the following.

1. Content
2. Preface
3. Acknowledgement
4. Introduction and
5. Bibliography.

The file can be prepared in A4 or A3 sheet of papers. (Colours or White)

It should be hand-written contain maximum of 15-20 pages excluding serial number 1-5
OR

Students can prepare street play/Skit/role play/declamation etc. of any social and political issues/event.

Number of students should be of maximum 7. In group items.

Class : XI(IP)
SESSION 2024-2025

Worksheet – 1

1. Python programming language was developed by _____
2. Python carries out the given instruction and shows the result there itself in _____ mode
3. _____ mode is useful for creating program and then run the program later and get the complete output.
4. A _____ is a word having special meaning reserved by programming language.
5. The smallest unit in a program is known as _____
6. Literal are also called as _____
7. An identifier can contain only _____ special character.
8. The first character of an identifier cannot be _____
9. A string literal is a sequence of characters surrounded by _____
10. Escape sequence start with _____ character.
11. The string spread across multiple lines is called _____

Worksheet – 2

1. Python was developed by Guido Van Rossum.
2. Python is a high level language.
3. Anaconda python distribution helps to load most libraries and packages with python.
4. The default distribution C Python comes with python interpreter, python IDLE and pip.
5. Spyder is not associated with Python.
6. Python is not object oriented.
7. Token is known as lexical unit.
8. Backslash(/) is not used for carriage return.

9. An identifier may contain special symbols.
10. Blankspace is not recognized in python.
11. Python is not case sensitive language.

Worksheet –3

1. Python was developed by _____
 a) Charles Babbage b) Guido van Rossum
 c) Tim Berners Lee d) Robert E. Kahn
2. Python Language is _____
 a) Freeb)Open Source c) Free & Open Source d) Proprietary
3. What can be the maximum possible length of an identifier _____
 a) 31 b) 63 c) 79 d) Can be of any length
4. Identify the correct print() statement:
 a) print('Hello') b) print("Hello") c) print('Hello") d) print("Hello')
5. Python is a/an _____ language.
 a) Compiled b) Interpreted c) Compiled & Interpreted d) None of the above
6. Which of these is not a core data type?
 a) Lists b) Dictionary c) Tuples d) class
7. The interactive interpreter of Python is termed as _____.
 a) Python shell b) Python Script mode
 c) Python Editor mode d) Python command line
8. Thethreegreaterthan signs (>>>) are called the Python _____.
 a) cursor b) command prompt. c) pointer d) blinking cursor
9. _____ are the fundamental building blocks of a Python program.
 a) Identifiers b) Constants c) Punctuators d) Tokens
10. Identifier name cannot be composed of special characters other than _____.
 a) # b) hyphen (-) c) \$ d) underscore (_)
11. Python takes _____ indented spaces after the function declaration statement by default.
 a) 5 b) 6 c) 4 d) 3

Worksheet – 4

1. A _____ literal represent absence of values.
2. _____ escape sequence represent newline character.
3. The operator that require only one operand are called _____ operator.
4. In python remainder is returned by _____ operator
5. _____ are tokens that trigger same computation /action when applied to variables.
6. Symbols that are used in programming languages to organize programming sentences is known as _____.
7. A code that has a name and it can be reused by specifying its name in the program is _____.
8. Named location that refers to a value is _____.
9. To determine the type of an object we use _____ function.
10. The input () always returns a value of _____ type
11. Blocks are represented through_____.

Worksheet –5

1. Identifier must not be a keyword of python.

2. None is a special literal in python.
3. A token is a smallest individual unit in a program.
4. Comments in python begins with //(double forward slash).
5. Indentation is not necessary in python.
6. def keyword is used to define function in python.
7. Semicolon (;) is used to terminate a statement in python.
8. Line length in python should be maximum of 79 characters.
9. Expanded form of IDLE is Integrated development language environment.
10. Python supports Unicode coding standard.
11. An identifier must be a keyword of python.

Worksheet –6

1. Which of the following keyword is a valid placeholder for body of the function?
(a) break (b) continue (c) body (d) pass
2. Which of the following operator in python evaluates to true if it does not finds a variable in the specified sequence and false otherwise?
(a) ** (b) // (c) is (d) not in
3. In Python 3 what does // operator do?
(a) Float division (b) Integer division (c) returns remainder (d) same as a**b
4. In Python, which of the following checks in a string that all characters are digits?
(a) shuffle() (b) capitalize() (c) isalnum() (d) isdigit()
5. Which statement/function is used to display something on screen?
(a) show (b) print (c) display (d) input
6. Which statement/function is used to get value for a variable from keyboard?
(a) get (b) input (c) get_input (d) cin
7. Which of the following is not a data type in Python?
(a) int (b) float (c) long (d) number
8. In the following statement x = '8'. x is a _____.
(a) int (b) float (c) string (d) number
9. What is the output of the following statement: print 4 >= 4
(a) True (b) False (c) Error (d) 4 >= 4
10. What is the output of the following statement: print ("4 >= 4")
(a) True (b) False (c) Error (d) 4 >= 4
11. What is the output of the following statement: print (4 >= 4)
(a) True (b) False (c) Error (d) 4 >= 4
12. What is the output of the following statement: print (4 * 2 ** 3)
(a) 9 (b) 24 (c) 32 (d) 64
13. What is the output of the following statement: print ((4 * 2) ** 3)
(a) 423 (b) 501 (c) 215 (d) 512
14. Which of the following has the highest precedence to evaluate the expression?
(a) ** (b) * (c) () (d) /
15. Which of the following are invalid conditional statements in Python?
(a) if (b) next if (c) if-else (d) if-elif
16. Which of the following is not a valid loop in Python?
(a) for (b) while (c) repeat (d) None of these
17. Which of the following is used to define a block of code in Python?
(a) () (b) {} (c) Quotation (d) Indentation
18. Python 3 uses print as a _____ and used as print ("something") to print some string on the console.
(a) statement (b) function (c) keyword (d) None of these
19. In python 2, the implicit string type is _____.
(a) ASCII (b) Unicode (c) Bytecode (d) None of these
20. In python 3, the implicit string type is _____.

- (a) ASCII (b) Unicode (c) Bytecode (d) None of these

Class : XI (Subject Painting)
SESSION 2024-2025

*One Canvas painting using Fabric colours or Acrylic colours

Landscape Painting (in Sketch -book)

- Paint a landscape scene from your surroundings or from a photograph.

Portrait Study(in sketch -book)

- Draw or paint a portrait of a family member, friend, or a self-portrait.

- Pay attention to facial features, expressions, and proportions.

1. Explain the Six limbs of Indian Painting.
2. What was the special skill with Chitrakala?
3. Where have the prehistoric rock-paintings been found in India?
4. How were the colours prepared for painting?
5. Differentiate between the Prehistoric and Historic Periods on the basis of Art forms.
6. What kind of special characteristics have you observed in the seal of Unicorn Bull"

Class : XI (ACCOUNTANCY-055)
Session : 2024-25

1. Open 'T' shape account for Machinery and write the following on the proper side:

	Particulars	Rs.
1.	Machinery purchased for	5,00,000
2.	Machinery sold	1,20,000
3.	Machinery discarded	50,000
4.	New Machinery purchased	2,00,000
5.	Machinery destroyed	40,000

2. On 31st March, 2023, the total assets and external liabilities were Rs.1,00,000 and Rs. 3,000 respectively. During the year, the proprietor had introduced additional capital of Rs. 10,000 and had withdrawn Rs. 6,000 for personal use. He made a profit of Rs. 10,000 during the year. Calculate the capital as on 1st April, 2022.
3. What will be effect of the following on the Accounting Equation?
- i. Started business with cash Rs. 45,000
 - ii. Opened a Bank Account with a deposit of Rs. 4,500
 - iii. Bought goods from M/s. Narayan & Co. for Rs. 11,200

4. Prepare Accounting Equations on the basis of the given transactions:

- i. Started business with cash Rs 80,000
- ii. Credit purchase of goods Rs 28,000
- iii. Payment made to creditors in full settlement Rs 27,000
- iv. Purchase of machinery for cash Rs 15,000

5. Prepare accounting equation on the basis of the following:

S.No.		Amt (Rs.)
(i)	Harsha started business with cash	2,00,000
(ii)	Purchased goods from Naman for cash	40,000
(iii)	Sold goods to Bhanu costing Rs. 10,000	12,000
(iv)	Bought furniture on credit	7,000

6. Open T shape account for furniture and write the following on the proper side:

- i. Furniture purchased for Rs.20,000
- ii. Furniture sold costing Rs.5,000
- iii. Furniture again purchased for Rs.8,000
- iv. Old Furniture discarded for Rs.2,500
- v. Value of Furniture was reduced by Rs.2,000

7. Journalise the following transactions in the books of Shree Nimesh.

- i. Goods sold to Sweety list price Rs 10,000, trade discount 10% and cash discount 5%. The cash discount was availed by Sweety.
- ii. Manu who owed us Rs 5,000 is declared insolvent and 65 paise in a rupee is received from his estate.
- iii. Salaries remaining unpaid Rs 15,000 and rent due to landlord Rs 2,000.

8. From the following transactions, state the nature of accounts and state which account will be debited and which account will be credited :

- i. Sahdev started the business with cash Rs.5,00,000.
- ii. Purchased goods for cash Rs.20,000.
- iii. Purchased goods from Raghubir on credit for Rs.25,000.
- iv. Purchased furniture from Fancy Furniture House for Rs.1,50,000 on credit.
- v. Sold goods for cash Rs.30,000.
- vi. Sold goods to Yuvraj on credit for Rs.50,000.
- vii. Cash paid to Raghubir Rs.20,000.
- viii. Cash received from Yuvraj Rs.15,000.
- ix. Paid rent Rs.10,000.

9. Show the accounting equation on the basis of the following transaction

Transactions	Amount (Rs.)
(i) Udit started business with:	
(a) Cash	5,00,000
(b) Goods	1,00,000
(ii) Purchased building for cash	2,00,000
(iii) Purchased goods from Himani	50,000
(iv) Sold goods to Ashu (cost Rs. 25,000)	36,000
(v) Paid insurance premium	3,000
(vi) Rent outstanding	5,000
(vii) Depreciation on building	8,000
(viii) Cash withdrawn for personal use	20,000
(ix) Rent received in advance	5,000
(x) Cash paid to Himani on account	20,000
(xi) Cash received from Ashu	30,000

10. Show the accounting equation on the basis of the following transactions:

- i. Commenced business with Cash Rs. 20,000; Goods Rs. 50,000 and Furniture Rs. 30,000.
- ii. Purchased goods from Govind on Credit Rs. 40,000.

- iii. Sold goods for Cash Rs.40,000 (Costing Rs. 30,000).
- iv. Sold goods to Sham on Credit Rs.65,000 (Costing Rs. 50,000).
- v. Withdrew for personal use goods costing Rs. 5,000.
- vi. Purchased typewriter for personal use of the proprietor Rs. 20,000.
- vii. Purchased chairs for office use for Cash Rs. 10,000.
- viii. Paid for printing Rs.500 and received Commission Rs.1,200.
- ix. Introduced fresh Capital Rs.40,000.
- x. Paid to Govind Rs.30,000.

11. Journalise the following transactions in the books of Arnav Traders:

- i. Sold goods costing Rs. 1,20,000 to Chinki at a profit of 33% on cost less 15% Trade Discount.
- ii. Sold goods costing Rs.80,000 to Aman against cheque at a profit of 25% on cost less 15% Trade Discount.
- iii. Paid by cheque Rs. 8,400 as insurance premium for a period of 12 months starting 1st August 22.

The financial year closes on 31st March every year.

Class : XI
SESSION 2024-2025

Subject: History

Prepare a project on Roman Empire and it's extension to three continents

Class: XI (Biology)

Session: 2024-25

- **Revise all chapters done till 30th May 2024 in class.**
- **Complete the Practical File Work in Biology Practical File (Loose drawing sheets and ruled sheets).**

Class : XI (Economics-030)
Session : 2024-25

- 1. Solve the assignments shared in the classroom.**
- 2. Prepare a project file on anyone of the topics discussed in the classroom.**

Guidelines for the project:

1. The entire project must be completed in around 25-30 pages.
2. It is compulsory that the project must be handwritten. However, only certificate can be in printed form.

3. The project must be clubbed inside a neat and tidy spiral/cobra file/folder
4. While crafting your project, you must follow this specified format already explained to you:

-Cover Page

-Certificate

-Acknowledgement

-Index (List of Contents)

-Introduction

-Topic with a Unique Title/Heading

- Student's own perception

-Conclusion

-Bibliography

Class : XI (BST)
Session : 2024-25

Do the following questions

Q1 Give an example of activity which is economic on one side and non economic on other side.

Q2. Assertion (A) Profit earning is essential for the survival, growth and expansion of any business.

Reason (R) It is the sole objective of all business firms.

Codes

- (a) Both A and R are true, 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 correct, but R is incorrect
- (d) A is incorrect, but R is correct

Q3. If a person sells his domestic computer at a profit, will it be considered a business? Also explain the characteristic of business which is being stressed upon in the above said example.

Q4 In business activities, there are some activities that are involved in the removal of hindrances in process of exchange i.e. from the producer to the consumer Identify them. Also classify the activities which help in removing the following hindrances:-

- (i) Hindrance of place
- (ii) Hindrance of risk
- (iii) Hindrance of time
- (iv) Hindrance of finance
- (v) Hindrance of information

Q5 Dr. Kumar is an orthopedic surgeon in Jaipur Golden Hospital and Dr. Mahajan, his friend is a Pediatrician who has set his own clinic. Dr. Mahajan's wife, Ms. Rajni operates her Jewellery store. Compare & differentiate the nature of tasks undertaken by them.

Q6. Zainab, Shelly & Ravina are friends. They have just completed a fashion designing course. They wish to start a business together. They have ₹10,00,000 savings put together and are planning to take a bank loan of additional ₹10 lakhs. They have found a prime location in Karol Bagh where they can set their boutique. They decide that they will initially not take very big orders. Based on this information, quote the lines associated with factors affecting the decision to start a business and classify them

Q7 Mr. Karanpreet intended to start a business in the form of private limited company but he has no idea about the formalities to be followed in the form of company

(a) Suggest him a specialised person who would under take all activities for formation of a company.

(b) Explain the function of that person

Q8 What is the minimum number of persons needed to form

(a) Sole proprietorship (b) company (c) Hindu undivided family (d) partnership

Q9 Rohan, Sohan and Mohan are partners of a business of publishing books. They have adopted three villages which are educationally backward. Every year they distribute books to schools established in these villages for free to promote education. Write any one feature of partnership. Identify three advantages followed by the partnership firm.

Q10 Aditya is promoting a company. Before the company is formed, he enters into a contract with DLF for purchase of land and also agreed to pay 10 crores within a period of 2 months. The company was formed within 1 month. On the basis of the facts, answer the following :-

i) Which type of contract is entered by Aditya ?

ii) Is the contract legally binding on the company ?

iii) Can DLF Ltd. hold Aditya liable for the payment money?

iv) What can the company do to prevent Aditya from such a situation?

Prepare Bst project file based on any form of business organization. Project should be hand written.

Class : XI

Session : 2024-25 GEOGRAPHY

Complete the practical work of chapter 1- Introduction to maps in your practical file.

Class : XI (ENGLISH CORE)

Session : 2024-25

1. You are Amit/Amita of class XI. You have to deliver a speech in the morning assembly on the topic 'Technological Ethics', examining the ethical implications of emerging technologies such as artificial intelligence, biotechnology, and surveillance.(word limit-150-200)
2. Design a poster on the theme 'HEALTH IS WEALTH', highlighting the importance of regular exercise and physical activity, healthy eating habits and nutrition tips, mental health awareness and coping strategies. (Word limit - 50)

3. Identify the error in the following sentences by choosing the correct option.

1. "She has been/ studying/ in this college /since two years."/no error
a b c d e
2. "I'm looking/ forward to go/ on vacation/ next week."/no error
a b c d e
3. "The concert /will start at 7 p.m./ so please/ arrive in time."/ No error
a b c d e
4. "She/ is interested/ in /learning Japanese."/ no error
a b c d e
5. "I am/ fond/ to read/ mystery novels."/ no error
a b c d e

- 4. Below are five sets of jumbled sentences. Rearrange them to form a coherent and meaningful paragraphs by choosing the correct option.**

Question 1

- A. The temple's architecture is a blend of traditional Dravidian and modern styles.
 - B. The Brihadeeswara Temple is one of the most prominent landmarks in Tamil Nadu.
 - C. It attracts thousands of visitors and devotees each year.
 - D. Built by Raja Raja Chola I, it is also known as the 'Big Temple.'
- I. BDAC II. BADC III. ABDC IV. DABC

Question 2

- A. It is one of the largest film industries in the world.
 - B. The Indian film industry, also known as Bollywood, is based in Mumbai.
 - C. Bollywood produces more films annually than Hollywood.
 - D. Many Bollywood films are known for their vibrant music and dance sequences.
- I. ABCD II. BCAD III. BACD IV. DABC

Question 3

- A. Festivals like Diwali, Eid, and Christmas are celebrated with great enthusiasm.
 - B. India is a land of diverse cultures and traditions.
 - C. Each festival has its own unique customs and rituals.
 - D. These festivals reflect the rich cultural heritage of the country.
- I. BACD II. BCDA III. ABDC IV. BDAC

Question 4

- A. The park is home to a variety of flora and fauna.
 - B. Jim Corbett National Park is one of the oldest national parks in India.
 - C. Established in 1936, it is named after the famous hunter and conservationist Jim Corbett.
 - D. It is particularly known for its population of Bengal tigers.
- I. BCAD II. BDAC III. ABCD IV. CADB

Question 5

- A. However, over-tourism poses a significant threat to these natural wonders.
- B. India's national parks are famous for their biodiversity.

C. Many parks are taking measures to promote sustainable tourism.

D. They offer a sanctuary for endangered species and a unique experience for nature lovers.

I. BADC

II. BDAC

III. ADCB

IV. CBAD

NOTE: All the questions of the Holiday Homework are to be completed in your school English Notebook.



Delhi Public School Bulandshahr



Holiday Homework

Class : XI (Hindustani Vocal Music)

Session : 2024-25

Subject: Hindustani Vocal Music (034)

1. राग विहाग का थाट क्या है?
2. ताल तीन ताल की विभाग व्यवस्था लिखें।
3. ताल एकताल में खाली मात्रा के विभागों की संख्या कितनी होती है?
4. 12 मात्राओं वाली ताल कौन सी है?
5. तानपुरे में तारों की संख्या कितनी होती है?
6. सप्तक में कितने स्वर होते हैं?
7. संगीत की परिभाषा लिखें।
8. सप्तक की परिभाषा लिखें।
9. नाद की परिभाषा लिखें।
10. राग विहाग का परिचय लिखें।
11. एकताल ताल का ठाह, दुगुण, तिगुण और चौगुण लिखिए।
12. श्रुति की परिभाषा लिखें।
13. स्वर की परिभाषा लिखें।
14. ध्वनि की परिभाषा लिखें।
15. सप्तक की परिभाषा लिखें।