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4. Creative Writing:	4.	Creative Writing:
		Write an original article/poem/short story reflecting creativity, thoughts of
		personal experiences. Make sure that the work is self-created and not copie
from any source.		
Theme: Celebrating Diversity – Food, dress, festivals around the wor		

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$\stackrel{\scriptstyle \sim}{\overset{\scriptstyle \sim}{\overset{\scriptstyle \sim}{\overset{\scriptstyle \sim}}}}$			2 Z
$\overline{\mathbf{A}}$	1.	(क) अपने विद्यालय में होने वाले निःशुल्क स्वास्थ्य शिविर के आयोजन से संबंधित	Z
\bigwedge		विज्ञापन तैयार करें।	Z
		(ख) 'प्रेरणा कोचिंग सेंटर' के लिए 50 शब्दों में एक आकर्षक विज्ञापन तैयार करें।	Z
7	2.	(क) आप विद्यालय के हिंदी संघ के सचिव हैं। अपने विद्यालय की प्रधानाचार्या को पत्र	Z
7		लिखिए जिसमें पुस्तकालय में हिन्दी की अच्छी पुस्तकें व पत्रिकाएँ मँगवाने के लिए	Z
5		निवेदन किया गया हो।	Z
5		(ख) सड़क परिवाहन के प्रबंधक को बसों की दुर्दशा के लिए शिकायती पत्र लिखिए।	Z
5	3.	दिए गए विषय तत्काल प्रस्तुतीकरण के लिए याद करें। (ASL)	7
		(क) साँच बराबर तप नहीं, झूठ बराबर पाप।	7
		(ख) करत—करत अभ्यास के जड़मति होत सुजान।	7 7
		रसरि आवत जात रे, सिल पर परत निशान।	2 7
-		(ग) यदि मैं देश का प्रधानमंत्री होता तो	7
-		(घ) पर्यावरण संरक्षण	z
-		(ङ) परहित सरिस धर्म नहिं भाई अथवा परोपकार	z
	4.	पाठय पुस्तक स्पर्श भाग–2 में संकलित सीताराम सेकसरिया द्वारा लिखित गद्य पाठ	Z
-		'डायरी का एक पन्ना' को पढ़िए एवं स्वतंत्रता आंदोलन एवं स्वतंत्रता सेनानियों के देश	Z
-		प्रेम का वर्णन करते हुए जम्मू व कश्मीर और गुजरात के स्वतंत्रता सेनानियों की सूची	7
•		तैयार कीजिए। वर्तमान समय में भी भारत अपनी आज़ादी और अस्मिता के लिए संघर्ष कर	7
-		रहा है। युद्ध एक वैश्विक संकट बन गया है। क्या आपको नहीं लगता कि आज विश्व को	7
-		युद्ध छोड़कर शांति एवं मैत्री पथ पर अग्रसर होना चाहिए? युद्धोत्तर क्षेत्रों में शांति निर्माण	7
-		और संघर्ष समाधान को बढ़ावा देना चाहिए। दिए गए संकेत बिंदुओं के आधार पर अपने	Z
-		उत्तर को विस्तृत रूप में 150–200 शब्दों में लिखिए।	2
-		संकेत बिंदु	Z
		• युद्ध के कारण	7
-		• युद्ध से होने वाली हानियाँ (सचित्र प्रस्तुत करें)	ך ז
		• सुरक्षा उपाय	2 2
~	5.	ज जिसे आप अपना आदर्श मानते हैं और उनके विचारों से आप प्रोत्साहित हुए हैं, उनके	7
		विषय में संक्षिप्त रूप में अनुच्छेद लिखें।	ž
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Q20. If 2x + y = 23 and 4x - y = 19, then find the value of (5y - 2x) and $\left(\frac{y}{x} - 2\right)$.

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PYTHAGORAS THEOREM This theorem states that the square of hypotenuse is equal to the sum of squares on the other two sides.

Also find the necessary and sufficient conditions for any three numbers to be sides of a triangle and further show under what circumstances the triangle must be a right.

Activity:- To find the conditions for consistency and inconsistency for a pair of linear equations.

Subject : Science

PHYSICS

Section – A (Numericals)

- A wire of length 3 m and area of cross-section 1.7×10^{-6} m² has a resistance 3×10^{-2} Q1. ohm.
 - What is the formula for resistivity of the wire? (a)
 - (b) Calculate the resistivity of the wire.
- Q2. The table given below shows the resistivity of three Material X, Y and Z.

Samples	X	Y	Z
Resistivity	3×10^{-9}	11.1×0^{-6}	18×10^{-17}

- Arrange the samples in increasing order of conductivity. (a)
- Which of these is best conductor? (b)
- Which of these is best insulator? (c)
- Q3. There are *m* resistors each of resistance R. First they all are connected in series and equivalent resistance is X. Now they are connected in parallel and equivalent resistance is Y. What is the ratio of X and Y?

We have four resistors A, B, C and D of resistance 4 Ω , 8 Ω , 12 Ω and 24 Ω respectively. Q4.

1	Lowest resistance which can be obtained by combining these four resistors.	
2	Highest resistance which can be obtained by combining these four resistors.	

Three resistors 5 Ω , 10 Ω and 30 Ω are connected in parallel with the battery of voltage Q5. 6V.

S.No.	Questions	
1	The value of current across each resistor.	
2	The value of Potential difference across each resistor.	
3	Total current in the circuit.	
4	Effective resistance of the circuit.	

An electric bulb draws a current of 8 A and works on 250 V on the average 8 hours a day. 06.

Find the power consumed by the bulb. (a)

If the electric distribution company changes ₹ 5 for 6 KWh, what is the monthly (b) bill for 60 days?

Q7. Give the formula for each 1 Ohm's Law. **Resistance in terms of Length,** 2 Area, resistivity. **Current in terms of Resistance** 3 and Voltage. **Equivalent Resistance for** 4 **Resistors in Series. Equivalent Resistance for** 5 **Resistors in Parallel.**

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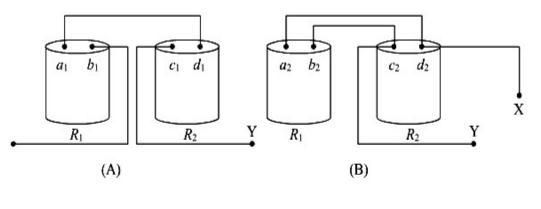
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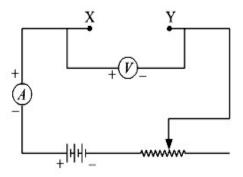
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Q8. Two students (P) and (Q) connect their two given resistors R_1 and R_2 in the manners shown below:





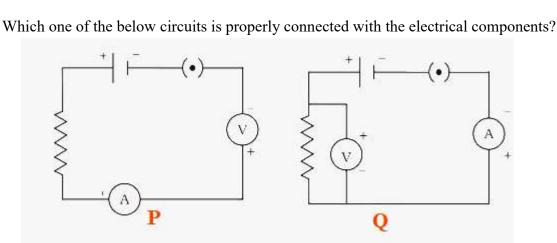
Power produced in the

resistance.

6

Student (P) connects the terminals marked (b_1) and (c_1) while student (Q) connects the terminals marked (d_2) and (c_2) in their respective circuits at the points marked X and Y. Which one of the following is correct in relation to the above arrangements?

- both the students will determine the equivalent resistance of the series (a) combination of the two resistors.
- both the students will determine the equivalent resistance of the parallel (b) combination of the two resistors
- student (P) will determine the equivalent resistance of the series combination (c) while student (Q) will determine the equivalent resistance of the parallel combination of the two resistors.



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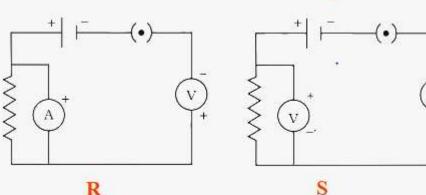
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А



(a) P

Q9.

- (b) Q
- (c) R
- (d) S
- Judge the equivalent resistance when the following are connected in parallel: Q10. (a) 1 Ω and 10⁶ Ω
 - (b) 1 Ω , 10³ Ω and 10⁶ Ω
- Q11. How can three resistors of resistances 2 Ω , 3 Ω and 6 Ω be connected to give a total resistance of (a) 4 Ω , (b) 1 Ω ?
- O12. What is (a) the highest and (b) the lowest total resistance that can be secured by combinations of four coils of resistances 4 Ω , 8 Ω , 12 Ω , 24 Ω ?

Section – B (Practicals)

- (a) Ohms law (to plot a graph between potential difference and current and hence find the value of resistance).
- To study the refraction of light through a prism and the angle of incidence, (b) refraction, emergence, deviation.

Note: Section B will be written in the lab manual as instructed during the class.

CHEMISTRY

- Q1. Make a flow chart of valency of the polyatomic and mono atomic ions.
- Q2. Make a flow chart of electronic configuration, atomic number, atomic masses and valency of first 20 elements

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$\overline{\mathbf{A}}$				7
\bigwedge	Q3.	Make a 3D model of any one of the following molecules:-		
-		(a) Methane (b) Ethane		,
$\frac{1}{\sqrt{2}}$		(c) Ethene (d) Carbon dioxide		1
\bigwedge		(e) Water (f) Ammonia		7
$\overline{\mathbf{A}}$	Q4.	Make a flow chart on indicators to distinguish between acidic and bas	ic solution	
$\overline{\mathbf{x}}$		(natural and synthetic indicator)		-
	Q5.	EXPERIMENT – 1		1
$\frac{1}{\sqrt{2}}$		To determine the pH of acidic and basic solution		7
$\overline{\mathbf{A}}$		0.01 M acetic acid		7
\bigwedge		0.01 M NaOH solution		-
		0.01M HCl solution		-
$\frac{1}{\sqrt{2}}$		0.01M Mg (OH) ₂		1
\bigwedge		Note:- Write down the experiment on the pratical file.		7
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BIOLOGY

<u>Section – A</u>

ASSIGNMENTS

- 1. **Diagram labeling:** Label diagrams of human digestive, respiratory, circulatory, and excretory systems.
- 2. **Process explanations:** Explain the processes of photosynthesis, respiration, and transpiration.
- 3. **Nutrient importance:** Research and write about the importance of essential nutrients (carbohydrates, proteins, fats, vitamins, and minerals).

<u>Section – B</u>

PROJECTS

- 1. **Human body system model:** Create a 3D model of one of the human body systems (digestive, respiratory, circulatory, or excretory).
- 2. **Plant processes:** Create a poster illustrating the processes of photosynthesis and transpiration.
- 3. **Healthy habits:** Design a poster/leaflet on healthy habits for maintaining proper bodily functions.

<u>Section – C</u>

ACTIVITIES

- 1. **Observations:** Observe and record the rate of transpiration in plants under different conditions.
- 2. **Healthy diet planning:** Plan a balanced diet for a week, considering nutritional requirements.

Section – D

EXPERIMENTS

- Exp. No. 1 To study leaf peel to show stomata
- Exp. No. 2 Show Carbon dioxide is given out respiration
- Exp. No. 3 To study binary fission in Amoeba, Budding in yeasts and hydra.
- Exp. No. 4 To study different parts of embryo of divot seed(pea, gram , Red kidney bean.
 - NOTE: Section D should be written only in lab manual as instructed.

\bigstar		$ \cdot \diamond $	\bigstar
\bigstar			\bigstar
\bigstar		Subject : Social Science	\bigstar
\bigstar			\bigstar
\bigstar	A.	General Questions:-	\bigstar
\bigstar	Q1.	Write a newspaper report on	\mathbf{x}
$\overrightarrow{}$		(a) Jallianwalla Baga Massacre	$\overrightarrow{}$
	Ω^2	(b) The Simon CommissionList all the different social groups which joined the Non-Cooperation Movement of 1921.	$\overrightarrow{}$
\bigstar	Q2.	Then choose any three and write about their hopes and struggles to show why they joined	
\bigstar		the movement.	\bigstar
$\stackrel{\frown}{\overset{\frown}{\overset{\frown}{\overset{\frown}}}}$	Q3.	Find out about the participants in the National Movement who were captured and put to	\bigstar
\bigstar		death by the British. Paste their pictures in your file.	\bigstar
\bigstar	Q4.	Mark and locate the following on the map of India.	\bigstar
\bigstar		(a) A place where the Congress Session was held in 1919.	\bigstar
\bigstar		(b) A place where the Congress Session was held in 1920.(c) A place associated with the cotton mill workers Satyagraha.	\bigstar
	Q5.	Prepare a short report on	$\frac{1}{2}$
	X 2.	Case study of Grameen Bank of Bangladesh	$\frac{1}{2}$
\bigstar	Q6.	Prepare a detailed report on SHG's.	
\bigstar	B.	Project Work	$\stackrel{\wedge}{\sim}$
\bigstar		1. Prepare a detailed project report on any one of the following topics:-	$\stackrel{\frown}{\times}$
\bigstar		(a) Consumer Awareness	\bigstar
\bigstar		(b) Social Issues(c) Sustainable Development	\bigstar
\bigstar		(c) Sustainable Development	\bigstar
\bigstar			\bigstar
\bigstar		Subject : Information Technology	\bigstar
\bigstar			\bigstar
\bigstar	Pract	tical Title: Student Database Management	\mathbf{x}
\bigstar	Tools	s Used:	\bigstar
\bigstar	•	MySQL (Libre Office Base)	$\frac{1}{2}$
	INSTI	RUCTIONS:	$\frac{1}{2}$
	•	Create a database name student Record	\sim
\bigstar	•	Create a table in database using Fields:- Roll No, Name, Class, Section, Marks,	
$\stackrel{\frown}{\overset{\frown}{\overset{\frown}{\overset{\frown}}}}$		Attendance(%)	$\frac{1}{2}$
$\frac{1}{2}$	•	Enter the values of the fields as sample Record	
	•	Analyse the data and find the Top Performer, Lowest attendance, Average	
$\stackrel{\frown}{\sim}$		marks, Students with attendance less than 90%	$\stackrel{\frown}{\sim}$
$\stackrel{\frown}{\sim}$	Noto:	-Take print out of all the pages and compile it in a folder. Design an	$\stackrel{\frown}{\sim}$
\bigstar			\bigwedge
\bigstar	allfal	ctive cover for your file / folder.	$\stackrel{\wedge}{\sim}$
\bigstar			$\stackrel{\frown}{\times}$
\bigstar		9	\bigstar
\bigstar	\checkmark	$ \cdot \diamond $	\bigstar

