St.Joseph's High School

Mandi Dabwali.

Winter Holiday Homework(2023-2024)

Classes-IX(A,B,C and D)

Subject:English-I

Email

1. Write an email to the General Manager of a local hospital requesting them to send a senior doctor to talk to the participants at the event about the quality of the mask that will give them the best protection.

Notice

2.Every year in the central part of the city a flower show is held in the month of January. Your school has received a circular from the District Collector inviting your students to visit it. Write a notice informing the students about the show and advising them to go and enjoy it.

Formal Letter

3. Write a letter to the Editor of a local newspaper about a road that needs repair in your city and how it is causing a lot of problems to the local people.

Informal Letter

4. Write a letter to your friend inviting him to spend the winter vacation at your place in

Note: Revise, the rules of the chapters included in the final demeste

Subject:English-II Classes:IX(A,B,C and D)

1. 'A Doctor's Journal Entry for August 6,1945' (Poem)

Passage No.5-"She did not wish.....caused so much pain."

2.Act II Scene I(Julius Caesar)

Passage No.3-"Brutus-no,not an oath.....hence to his idle bed."

3.'The Boy who broke the Bank'(Story)

Passage No.6-"Men stood in groups.....morning by the sweeper -boy."

Note:Do all the questions of the above mentioned extracts given in your workbook in a separate notebook.

Learn all the chapters included in the final semester.



St. Joseph's High School Mandi Dabwali Holidays Homework

Class - 1X

Subject: Hindi

हिंदी सुरस व्याकरण में से प्रवन पत्र-1 और प्रवन पत्र-2 का लिखकर अभ्यास करें।

साहित्य सागर में से सेक्षिप्त कहानियाँ (1से 5), कविताएँ (1से 5) और एकांकी संचय में से एकांकी (1से 3) दीहराएं।

Winter Vacations) Holidays H.W (Std; 9). Chemistry (Norksheet). Q1) Fill in the blanks: i) SO, gas tivens potassium dicheromate paper green.
(SI) Fill in the blanks.
1) SO, gas turns porassium numerouni
paper year
11) Pressure - Volume relationship is igness if
ii) Bressure - Volume relationship is given by iii) The buying agent to dry H, gas is
02) Name the type of Mex": i) 250 + 0 = 250;
$\frac{3}{1}$ $\frac{250}{2}$ + $\frac{3}{2}$ $\frac{250}{3}$
ii) $Pb0 + S0_2 \rightarrow PbS0_3$
Q3.) Gine Reasons:
i) Alkali metals we kept in there solvent: ii) Invet gases don't form compounds: 1ii) The level of come. 4.50 y increases when exposed to dir. iii) told is stored in air tight bottles:
ii) Inext gases don't form compounds
111) The level of Com. 450 y unreases When
exposed to dir.
iv) Felg is stored in air tight bottles.
04.) Name:
i) A metal which react reversibly with steam
i) A metal which doesn't react with water at
and to make the make
(ii) A neutral oxide which exist in liquid Ilate
at room temp.
The state of the s
Q5.) State Observations:
17 14. Corry nitrett is heated
ii) When Pb (NO3) reacts with HU acid. iii) When Fe is added to Cuso, sol. iv) When Fes reacts with dil HCl.
(ii) When Fe is radded to Eusoy sol".
in) Athen, Fes reacts with dil HCl.
the heart of the second and the seco
Q6.) Convert:
A CONTRACTOR OF THE CONTRACTOR
$Na \xrightarrow{A} NaU \xrightarrow{B} AgU \xrightarrow{C} Ag$
07) Give the equations for the following:
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alawi Charge in Man Julian and Julian and Julian and Julian and a superior of the superior of
and Blue to yerm
marked from the first the second of the seco
(1945년) 10일 - 10일 : 10일 :
a) Your procepetation Roy
b) with with Ad
Example promptation Ry'
OS) state and explain in brief Anomalies of Mendelcon's Burdod's Table:
Merideleev's Burdie Table.
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The gres is related to lab prepri of 4.
De Now the gas is Collected?
iii) Want the drying agent
IV) All the sold was not rised to prepare H ?
ii) The grees is related to lab prepri of H. iii) Name the drying agent. iii) why dit nitrice acted is not rised to preprint H.? iv) Name the sol used to remove impurities
V) Guine eq" for the prepar of the
O10:) idvange:
1) gp - 1 elements (1 order of At Size)
11 J. J. P. L. II No. of Shells
i) gp-2 elements (1 order of At Size) ii) gp-2 (1 '' '' No. of Shells) iii) Pound -2 (1 (1 '' Valence Shells)
TO SERVICE AND ADDRESS OF THE PROPERTY OF THE
Q11) Why Hewland's law of octaves was rejected?
Debuiner's Triads failed? Halogus, why
Dobbuiner's Turado failed?
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Ol3) Balance.
O13) Balance: i) $P + HNO_3 \rightarrow NO_2 + H_2O + H_3PO_{17}$
ii) $S + HNO_3 \rightarrow H_2SO_{14} + NO_2 + H_2O$
iii) 7n + HNO3 -> Zn(NO3)2 + 40+ NO3-
in) Mng + HU -> Mny + 40 + 40

OH) My is a Monide of Metal. Wint formula of M. Mith its:
a) sulphate b) hydroxide
a) Fervicion b) (uphous Ion c) Acilati ion d) Zincate ion.
a) An element X: a) Which Electronic Configuration b) Oxidisity / Reducing agent c) When X Combine nith Chloring Slate the type of bonding & formula of Compound formed d) Identify X.
OPT) The grees is gelated to the Rutherford's scattering experiment: i) Name — the mital used & volvy? ii) What recould be the observation of the modal— rock in exp. is replaced by Li ?
Ols) Explain Boyle's law on the basis of Kinetu theory.
Q19) state the significance of Charleston.
O20) Solve:
i) To what temp, must a gas at 300 k be Cooled down in order to neduce it, vol: to Ind of its original volume, pressure 3 remaining Constant?
ii) At Constant Temp, a gas is at a pressure of 1080 mm Hg. If the vol. of gas is decreased by 40%, find the new pressure of the gas

Q21.) What are the Guses for the destructions	
021) What are the Courses for the destrutitions. of Ozone layer?	
Q22) Give eg for the formation of Ozone in	J
생활하는 것이 있다. 그런 사람들은 사람들이 되었다면 보고 있다. 그런 사람들이 되었다면 보고 있다면 되었다. 그런 사람들이 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면 되었다면	
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1) Allotoupe of Oxygen which Cause green house effect. ii) The oxide of Notrogen which Causes global Warming.	
global Narming -	
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Chemistry - Revise all the chapters of Syllabus for the	
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Final Exams	
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	SCHOOLS STORES

St. Joseph's High School Mandi Dabwali

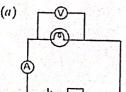
Std!	IX Holidays Homework Sub: Geography
1.	Paste 6 Physical Maps (World) on the Scrap book and mark the following:
	book and mark the following!
	V
a.	Tropical Desert Regions
b.	Tropical Monsoon Regions
C.	Egyatorial Forest Regions
id.	Equatorial Forest Regions Major Water Bodies
e.	Major Mountains
f.	Major Plateaus
U	
2.	Draw the following diagrams on the scrap
	book:
a.	Pressure Belts of the World.
Ь.	Heat Balance
Λ.	Consectional Rainfall
d.	Orographic Rainfall Frontal Rainfall
e.	Frontal Rainfall
3.	Learn Ind Semester Syllabus properly. Monthly Test of full portion will be conducted on 16.01.2024.
	Test of full portion will be conducted
	on 16.01.2024.

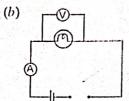
and the state of t	Std. 1X Sub: History & Civics
	사용하는 중요한다. 경기에 가장 전에 있는 것이 하는 생각이 되었다면 보다 보고 있다면 하는데 사용하는 것이 되었다면 보고 있는데 보고 있는데 보고 있는데 보고 있는데 보고 있다면 보고 있다면 보다 🔀
1.	Paste the following pictures on the scrap Book
	and Frame sicture-studies questions with
	Paste the following pictures on the scrap Book and Frame picture-studies questions with answers!
a.	The Red Fort
	Ain-i-Akbari
c.	
d.	The Last Supper
	사회에 가득하게 가득하면 바다면 하는 그리는 그들은 사람들이 되었다. 그는
2	Learn I'm demester, dillater properly. Monthly
	Test of full syllabus will be conducted on
	Learn II nd Semester syllabris properly. Monthly Test of full syllabris will be conducted on 19.01.2024.

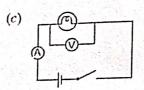
Physics Worksheet Std. IX Holyday Homework.

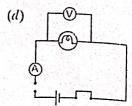
Level 1

- 1. A charge is taken from point X to point Y. What do you call the work done per unit charge in this process?
 - (a) The potential at point X
 - (c) The current flow from point X to Y
- (b) The potential at point Y
- (d) The potential difference between point Y and X.
- 2. Which of the following circuits is a closed circuit?





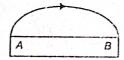




- 3. What is the use of voltmeter in an electric circuit?
 - (a) To measure resistance
- Ĭ.-
- (b) To measure potential difference

(c) To measure electric current

- (d) To measure electric power
- 4. When does current flow in a circuit?
- 5. State two characteristics if resistors are connected in series.
- 6. How is the current flowing in a conductor changes, if the resistance of the conductor is doubled keeping the same potential difference across it?
- 7. A magnet AB is placed near an iron bar X. Name the poles at A and B. How do you draw your conclusion?





- 8. Name one practical use of soft iron and steel each based on its magnetic properties.
- 9. State uses of the following:
 - (i) Voltmeter
- (ii) Cell
- (iii) Ammeter
- (iv) Galvanometer

Level 2

- 10. What does magnetic field lines indicate?
 - (a) south-north direction

(b) electric field

(c) magnetic field

- (d) both magnetic and electric field
- 11. What is the objective of energy management?
 - (a) minimising waste

- (b) minimising energy costs
- (c) minimising environmental degradation
- (d) all of these

- 12. Define the following:
 - (i) electric potential

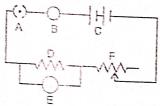
- (ii) one volt
- (iii) closed circuit
- (iv) accumulator
- 13. State three observations regarding a bar magnet, if it is broken into two equal parts.
- 14. Define magnetic field. State three properties of magnetic field lines.
- 15. You are given a cell, a key, a resistance wire, an animeter and a voltmeter. You are required to measure the current in the resistance wire and potential difference across it. Draw a labelled diagram to show how are they connected. Also mark the direction of current in the circuit.

16. Which of the following is the best material for making an electromagnet?

(b) soft iron

(d) steel

17. Label the different parts A, B, C, D, E and F in the electric circuit shown below.



(i) State three differences between a primary cell and a secondary cell. 18.

(ii) Write three requirements of a good cell.

19. When the starter motor of a car is switched on for 1.7s, a charge of 34C passes through the coil of the motor. Calculate the current in the motor.

20. Define magnetic pole and magnetic equator. Also state the nature of magnetic field lines at magnetic pole and magnetic equator.

21. A charge of 0.5 C passes through a cross-section of a conductor in 5 s. Find:

(a) How many electrons will flow in this time interval, if the charge on one electron is 1.6×10^{-19} C?

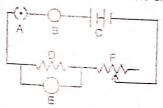
(b) Current through the conductor.

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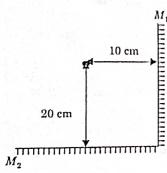
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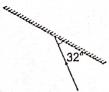
(a) How many electrons will flow in this time interval, if the charge on one electron is 1.6×10^{-19} C

(b) Current through the conductor.

- 1. What is the focal length of a plane mirror?
 - (a) zero
- (b) infinity
- (c) positive
- (d) negative
- 2. Which of the following mirrors is used in cars to have a very wide field of view?
 - (a) concave
 - (b) plane
 - (c) convex
 - (d) convex mirror and concave mirror
- 3. A very small object O is placed in front of two mirrors M_1 and M_2 which are placed perpendicular to each other. Locate the positions of all the images formed by the mirrors.



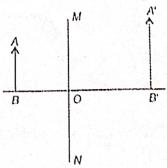
4. A ray of light strikes a plane mirror at an angle of 32° as shown in the figure. What is the angle between the incident and the reflected rays?



- 5. State two uses each of concave mirror and convex mirror.
- 6. You are given a concave mirror of focal length 10 cm. An object is placed in front of the concave mirror at a distance equal to twice of focal length of the mirror. Where will the image be formed? State its nature also.
- 7. You are given three mirrors of equal size—plane, convex and concave. How will you identify them without touching their surfaces?

Level 2

- 8. A person looks into the mirror by placing it close to his face. The image of his face is erect, laterally inverted and of the same size. Which mirror is it?
 - (a) convex
 - (b) concave
 - (c) convex or plane
 - (d) plane
- 9. If the object is placed in front of a concave mirror at the focus of the mirror, where does the image form?
 - (a) At focus
 - (b) Between focus and pole
 - (c) At centre of curvature
 - (d) At infinity
- 10. A patient for eye testing looks in a plane mirror placed 2 m in front of him/her and a chart is placed 3 m behind him. How far away from him/her will the chart seem to be?
- Out of two mirrors (convex or plane) which has wider field of view? Justify your answer with the help of proper ray diagrams.
- 12. Obtain a relation between radius of curvature and focal length of a concave mirror.
- 13. Sunlight is incident on a concave mirror parallel to its principal axis. The image is formed at a distance of 26 cm from the pole. Find the radius of curvature of the concave mirror in SI units.
- 14. In the given figure, AB is an object, A'B' is its image and MN is the position of the mirror. State the kind of mirror. Also complete the ray diagram to show the formation of image.



15. P. Q, R and S denote the object distance, image distance, radius of curvature and focal length of a miror respectively. Which of the following is the correct relation connecting the above given parameters?

(a)
$$\frac{1}{P} \div \frac{1}{Q} = \frac{1}{S} = \frac{2}{R}$$

(b)
$$\frac{1}{P} + \frac{1}{Q} = \frac{1}{S} = \frac{R}{2}$$

(c)
$$\frac{1}{P} \div Q = \frac{1}{S} = \frac{2}{R}$$

(d)
$$\frac{P \div Q}{PQ} = S = \frac{R}{2}$$

16. In a dark room, a parallel beam of light is incident on a plane mirror and another parallel beam of light is incident on a white wall. What will be your observation and why?

- 17. Two plane mirrors M_1 and M_2 are creeted 20 cm apart parallel to each other. A point object is placed between them and 5 cm from mirror M_1 , determine the distance of the three nearest images from the mirror M_1 .
- What do you mean by lateral inversion? Write the letters of English alphabet which in front of plane mirror do not show lateral inversion.
- 19. Find the position, size and nature of the image formed by a spherical mirror from the given data: Focal length, f = -12 cm. object distance. u = -36 cm and size of the object. O = 2 cm.
- 20. An object of size 1.2 cm is placed at a distance of 12 cm from a convex mirror of radius of curvature 12 cm. Find the position of the image and size of the image.

Holiday's Home work

Class 18th

Sub. Phy. Edu. (Sports)

- 1. Draw a new and claw diagram of Basketball Courd on fair note-book.
- 2. Draw a nead and clean diagram of football ground on fair note-book.

Cointer Holidays Homewood Class: 9

Biology.

Read and vierise following chapters
* Chap- 2, 6, 7, 11, 12, 13, 14, 18.

Draw the diagrams of foll:
* Mitochondria

* Nucleus

* Villi

> leaven forogress check and everiew questions of chapters included in finals.

* Bean Seed

St. Joseph's High School Mandi Dabwali

Holidays' Homework for Winter break

Class: 9th

Sec - (A+B+C+D)

Sub: Mathematics

Ch - 7 (Indices)

Ex - 7(B): Q10 to Q15.

Ch - 8 (Logarithms)

Ex - 8(B): Q2 to Q10.

Ch – 15 (Constructions of polygons)

Ex – 15: Do sums 3, 7, 9, 12, 16, 18, 22, 30 and 33.

Ch – 17 (Circle)

Ex - 17(B): Q2 to Q5.

Ch - 21 (Solids)

Ex - 21: Q2 to Q8.

Ch - 27 (Graphical Solution)

Ex - 27(B): Q2 to Q5.

Note: Revise the syllabus for final examination.

std IX

Punjabi Holiday's Home Work

- 1. Revision for final examination.
- 2. ਅਣਡਿੱਠਾ ਪੇਰ੍ਹਾ ਰਚਨਾ (1–10) ਹੱਲ ਰਹਿਤ
- उ. सेथ उस्हा: ६. मुट्टू डेग ख्रास्ट जी

m: ਮਾਂਤ ਭਾਸ਼ਾ ਦੀ ਸਹਾਨਤ<u>ਾ</u>

ੲ. ਵਿੱਦਿਆ ਦੇ ਲਾਭ

ਸ. ਸਹਿੰਗਾਈ ਦਾ ਆਮ ਆਦਮੀ 'ਤੇ ਅਸਰ

ਹ. ਰਾਸ਼ਟਰ ਨਿਰਸਾਣ ਵਿੱਚ ਇਸਤਰੀ ਦਾ ਯੋਗਦਾਨ

Note: Essay and Unseen Passage must be done on holidays H.W. note-book.