

AUTUMN BREAK HOMEWORK

KV AFS BAGDOGRA

गृह कार्य

विषय:हिंदी।

कक्षा:10

प्रश्न:1 रस प्रकरण पर एक पीपीटी तैयार करें

प्रश्न:2 माता के आंचल पाठ के आधार पर अपने बचपन पर एक अनुच्छेद लिखें।

प्रश्न:3 रचना के आधार पर वाक्य भेद पर एक संक्षिप्त पीपीटी तैयार करें।

प्रश्न:4 निम्नलिखित पंक्तियों का भावार्थ लिखें।

नाथ संभुधनु भंजनिहारा। होइहि केउ एक दास तुम्हारा॥
आयेसु काह कहिअ किन मोही। सुनि रिसाइ बोले मुनि कोही॥
सेवकु सो जो करै सेवकाई। अरिकरनी करि करिअ लराई॥
सुनहु राम जेहि सिवधनु तोरा। सहसबाहु सम सो रिपु मोरा॥
सो बिलगाउ बिहाइ समाजा। न त मारे जैहहिं सब राजा॥
सुनि मुनिबचन लखन मुसुकाने। बोले परसुधरहि अवमाने॥
बहु धनुही तोरी लरिकाई। कबहुँ न असि रिस किन्हि गोसाईं॥
येही धनु पर ममता केहि हेतू। सुनी रिसाइ कह भृगुकुलकेतू॥

KV AFS BAGDOGRA

AUTUMN BREAK HOMEWORK 2021-22

CLASS X

ENGLISH

1. IDENTIFY THE LITERARY DEVICES USED IN THE POEM 'AMANDA'.
2. READ THE PLAY "THE PROPOSAL". UNDERLINE THE DIFFICULT WORDS. CONSULT A DICTIONARY TO FIND THEIR MEANINGS. WATCH THIS VIDEO
https://youtu.be/Ao_kOiiKz0M
3. THE FESTIVE SEASON IS HERE. YOU ARE AFRAID THAT PEOPLE WOULD TEND TO BE CARELESS AND FLAUNT THE COVID- 19 PROTOCOLS. THIS MAY LEAD TO A SPIKE IN THE COVID – 19 INFECTIONS. WRITE A LETTER TO THE EDITOR OF A NATIONAL DAILY VOICING YOUR CONCERNS. SUGGEST MEASURES AS YOU UNDERSTAND THAT SAFETY IS LARGELY IN

**YOUR OWN HANDS. YOU ARE CHANDRA/ CHANCHAL OF 24/A,
HAKIMPARA, SILIGURI.**

**4. DURING THIS FESTIVE SEASON, “SHARMA BROTHERS”
OFFERED HUGE DISCOUNTS ON ALL ITS PRODUCTS. YOU
BOUGHT A 40” HD TV. BUT IT STARTED GIVING PROBLEMS
ONLY AFTER A WEEK OF ITS PURCHASE. WRITE A LETTER OF
COMPLAINT TO THE MANAGER, SHARMA BROTEHRS, MAIN
ROAD, SHIV MANDIR.**

**KV, AFS,BAGDOGRA
AUTUMN BREAK HOMEWORK
CLASS: X
MATHEMATICS**

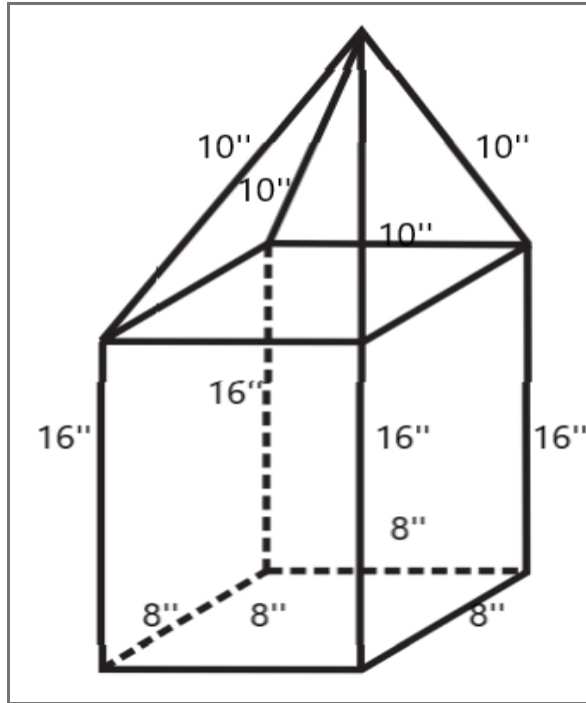
**(A) Complete the objective questions of NCERT EXAMPLAR OF
CHAPTERS – AREA RELATED TO CIRCLES, PROBABILITY, CO-
ORDINATE GEOMETRY.**

**(B) DO THE ACTIVITY as SUBJECT ENRICHMENT ACTIVITY IN
YOUR PRACTICAL NOTEBOOK SHARED IN THE CLASS.**

(C) Practice the CCT QUESTIONS GIVEN BELOW.

**CCT Practice Item
PAKKA HOUSE
CLASS -10**

**For her autumn break SONA was told by her social science teacher to
make a model of Pakka house. She decided to make model of her house for
her holiday homework. She did so by using glue, glass sheets and scissors.
She put coloured tape around each edge. Measurement of each edge shown
in the figure is in inches. (“ denotes inch)**



1. What is the area of the bottom face in square feet ? (1foot=12inches)
2. How much coloured tape will be required to put around all edges?
3. What will be the length of coloured tape required for the pakka house, if we decrease the height of bottom cuboid by 10 inch?
 4. What is the volume of the cuboid in cubic feet?

HOLI –DAY HOME WORK(AUTUMN BREAK)

Class X ;SUB :SCIENCE

General

Instructions:

1. *The Question Paper contains three sections.*
2. *Section A has 24 questions. Attempt any 20 questions.*
3. *Section B has 24 questions. Attempt any 20 questions.*
4. *Section C has 12 questions. Attempt any 10 questions.*
5. *All questions carry equal marks.*
6. *There is no negative marking*

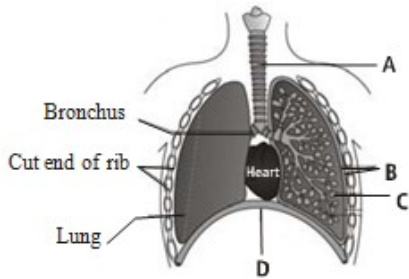
SECTION - A

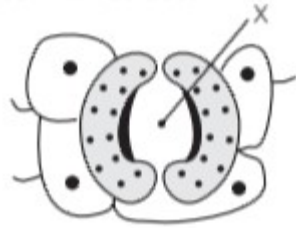
Section – A consists of 24 questions. Attempt any 20 questions from this section.

The first attempted 20 questions would be evaluated.

1	Dilute hydrochloric acid is added to granulated zinc taken in a test tube. The following observations are recorded. Point out the correct observation: A. The surface of metal becomes shiny. B. The reaction mixture turns milky. C. Odour of a pungent smelling gas is recorded. D. A colourless and odourless gas is evolved.
2	Which among the following is (are) double displacement reaction(s)? (I) $\text{Pb} + \text{CuCl}_2 \rightarrow \text{PbCl}_2 + \text{Cu}$ (II) $\text{Na}_2\text{SO}_4 + \text{BaCl}_2 \rightarrow \text{BaSO}_4 + 2\text{NaCl}$ (III) $\text{C} + \text{O}_2 \rightarrow \text{CO}_2$ (IV) $\text{CH}_4 + 2\text{O}_2 \rightarrow \text{CO}_2 + 2\text{H}_2\text{O}$ A. (I) and (IV) B. Only (II) C. (I) and (II) D. (III) and (IV)
3	Which of the following will turn phenolphthalein pink? A. $\text{NaOH}(\text{aq})$ B. $\text{HCl}(\text{aq})$

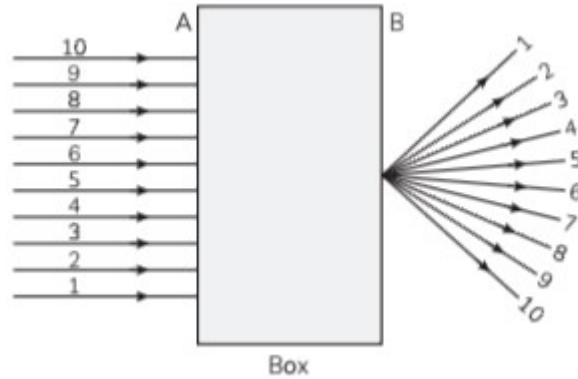
	<p>C. CH₃COOH (aq)</p> <p>D. H₂O</p>
4.	<p>In the equation: $\text{Cu} + x\text{HNO}_3 \rightarrow \text{Cu}(\text{NO}_3)_2 + y\text{NO}_2 + 2\text{H}_2\text{O}$</p> <p>The values of x and y are:</p> <p>A. 3 and 5</p> <p>B. 8 and 6</p> <p>C. 4 and 2</p> <p>D. 7 and 1</p>
5	<p>All the methods mentioned below can be used to prevent the food from getting rancid except:</p> <p>i. Storing the food in the air-tight containers</p> <p>ii. Storing the food in refrigerator</p> <p>iii. Keeping the food in clean and covered containers</p> <p>iv. Always touching the food with clean hands</p> <p>a. (i) and (ii)</p> <p>b. (i) and (iii)</p> <p>c. (i), (iii) and (iv)</p> <p>d. (iii) and (iv)</p>
6	<p>Which of the statements about the reaction below are incorrect?</p> $2\text{PbO}(\text{s}) + \text{C}(\text{s}) \rightarrow 2\text{Pb}(\text{s}) + \text{CO}_2(\text{g})$ <p>(I) Lead is getting reduced</p> <p>(II) Carbon Dioxide is getting oxidised</p> <p>(III) Carbon is getting oxidized</p> <p>(IV) Lead oxide is getting reduced</p> <p>A. (I) and (II)</p> <p>B. (I) and (III)</p> <p>C. (I), (II) and (III)</p> <p>D. all</p>
7	<p>Strong heating of ferrous sulphate leads to the formation of a brown solid and two gases. This reaction can be categorised as:</p> <p>A. displacement and redox.</p> <p>B. decomposition and redox.</p> <p>C. displacement and endothermic.</p> <p>D. decomposition and exothermic.</p>
8	<p>Which of the following gives the correct increasing order of acid strength?</p> <p>A. Water < acetic acid < hydrochloric acid</p>

	<p>B. Water < hydrochloric acid < acetic acid</p> <p>C. Acetic acid < water < hydrochloric acid</p> <p>D. Hydrochloric acid < water < acetic acid</p>
9	<p>Which of the following statements is true for acids?</p> <p>A. Bitter and change red litmus to blue.</p> <p>B. Sour and change red litmus to blue.</p> <p>C. Sour and change blue litmus to red.</p> <p>D. Bitter and change blue litmus to red.</p>
10	<p>In which of the following chemical equations, the abbreviations represent the correct states of the reactants and products involved at reaction temperature?</p> <p>A. $\text{AlCl}_3(\text{aq}) + 3\text{NH}_4\text{OH}(\text{aq}) \rightarrow \text{Al}(\text{OH})_3(\text{s}) + 3\text{NH}_4\text{Cl}(\text{aq})$</p> <p>B. $\text{AlCl}_3(\text{aq}) + 3\text{NH}_4\text{OH}(\text{l}) \rightarrow \text{Al}(\text{OH})_3(\text{aq}) + 3\text{NH}_4\text{Cl}(\text{s})$</p> <p>C. $\text{AlCl}_3(\text{l}) + 3\text{NH}_4\text{OH}(\text{aq}) \rightarrow \text{Al}(\text{OH})_3(\text{s}) + 3\text{NH}_4\text{Cl}(\text{aq})$</p> <p>D. $\text{AlCl}_3(\text{aq}) + 3\text{NH}_4\text{OH}(\text{aq}) \rightarrow \text{Al}(\text{OH})_3(\text{aq}) + 3\text{NH}_4\text{Cl}(\text{s})$</p>
11	<p>The figure shows a diagrammatic view of human respiratory system with labels A, B, C and D. Select the option which gives correct identification and main function and / or characteristic</p>  <p>A. C - Alveoli - Thin walled vascular bag like structures for exchange of gases</p> <p>B. D - Lower end of lungs - Diaphragm pulls it down during inspiration.</p> <p>C. A - Trachea - Long tube supported by complete cartilaginous rings for conducting inspired air.</p> <p>D. B - Pleural membrane - Surround ribs on both sides to provide cushion against rubbing.</p>
12	<p>A baby boy aged two years is admitted to play school and passes through a dental check-up. The dentist observed that the boy had twenty teeth. Which teeth were absent?</p> <p>A. Canines</p> <p>B. Pre-molars</p> <p>C. Molars</p> <p>D. Incisors</p>
13	<p>If the structure marked X in the diagram given below is blocked, then which of the processes will not occur?</p>



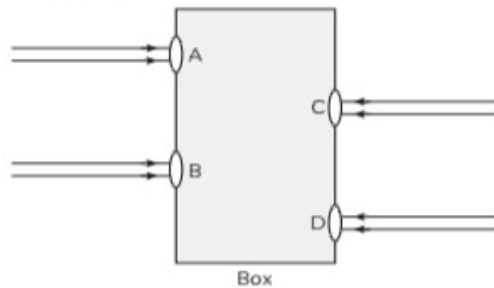
	<p>A. Transpiration and respiration B. Transpiration, photosynthesis and respiration C. Respiration, transpiration and transportation D. Respiration and photosynthesis</p>
14	<p>Arteries are best defined as the vessels which</p> <p>A. supply oxygenated blood to the different organs B. carry blood away from the heart to different organs C. break up into capillaries which reunite to form a vein D. carry blood from one visceral organ to another visceral organ</p>
15	<p>A few drops of iodine solution were added to rice water. The solution turned blue-black in colour. This indicates that the rice water contains:</p> <p>A. Complex proteins B. Simple proteins C. Fats D. Starch</p>
16	<p>If salivary amylase is lacking in the saliva, which of the following events in the mouth cavity will be affected?</p> <p>A. Proteins breaking down into amino acids B. Starch breaking down into sugars C. Fats breaking down into fatty acids and glycerol D. Absorption of vitamins</p>
17	<p>A student has focussed on the screen a distant building using a convex lens. If he has selected a blue coloured building as object, select from the following options the one which gives the correct characteristics of the image formed on the screen.</p> <p>A. Virtual, erect, diminished and green shade B. Real, inverted, diminished and in violet shade C. Real, inverted, diminished and in blue shade D. Virtual, inverted, diminished and in blue shade</p>

18 A beam of light is incident through the holes on side A and emerges out of the holes on the other face of the box as shown in the figure. Which of the following could be inside



- A. Concave lens
- B. Rectangular glass slab
- C. Prism
- D. Convex lens

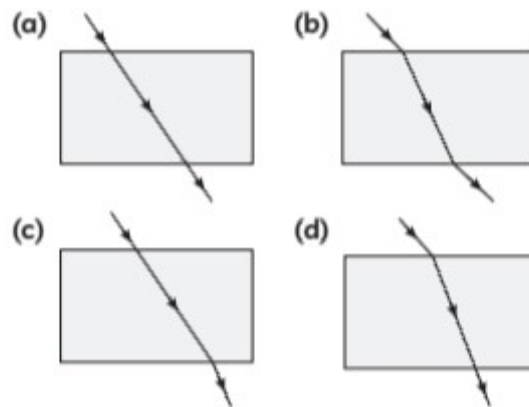
19 Beams of light are incident through the holes A and B and emerge out of box through the holes C and D respectively, as shown in the figure. Which of the following could be inside the box?



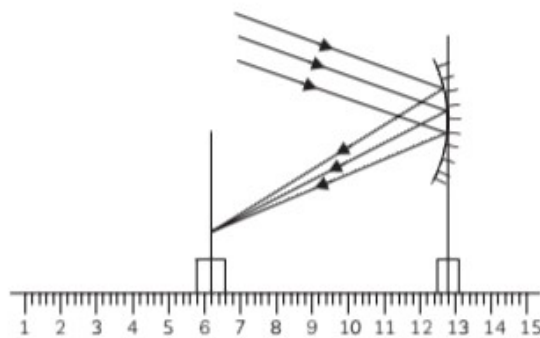
- A. A rectangular glass slab
- B. A convex lens
- C. A concave less
- D. A prism

20 The path of a ray of light coming from air passing through a rectangular glass slab is traced by

four students shown as A, B, C and D in the figure. Which one of them is correct?



21 The focal length of the concave mirror in the following experimental set up is:



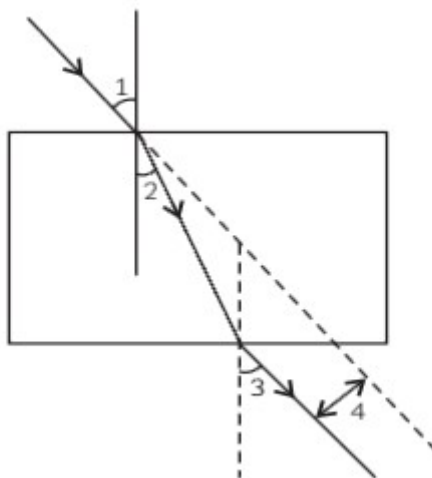
- A. 12.4 cm
- B. 6.2 cm
- C. 6.0 cm
- D. 6.6 cm

22 A student determines the focal length of a device 'X' by focusing the image of a distant object on a screen placed 20 cm from the device on the same side as the object. The device 'X' is

- A. Concave lens of focal length 10 cm
- B. Convex lens of focal length 20 cm
- C. Concave mirror of focal length 10 cm
- D. Concave mirror of focal length 20 cm

23 A student has traced the path of a ray of light through a glass slab as follows. If you are asked to label 1, 2, 3 and 4, the correct sequencing of labelling $\angle i$, $\angle e$, $\angle r$ and lateral displacement

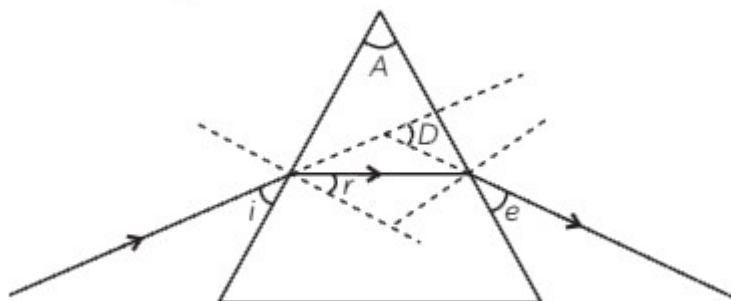
respectively is



- A. 2, 1, 3, 4
- B. 1, 2, 3, 4
- C. 1, 3, 2, 4
- D. 1, 3, 4, 2

24

In the following ray diagram the correctly marked angle are:



- A. $\angle i$ and $\angle e$
- B. $\angle A$ and $\angle D$
- C. $\angle i$, $\angle e$ and $\angle D$
- D. $\angle r$, $\angle A$ and $\angle D$

SECTION - B

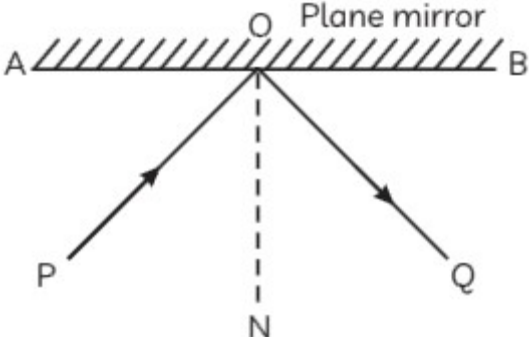
Section - B consists of 24 questions (Sl. No.25 to 48). Attempt any 20 questions from this section. The first attempted 20 questions would be evaluated

25

On heating a blue coloured powder of copper (II) nitrate in a boiling tube, a black substance X, oxygen gas and a brown gas Y was formed.
Select the option which identifies the product correctly:

Option	Black Substance X	Brown Gas Y															
A	Copper	Nitrogen dioxide															
B	Copper Oxide	Nitrogen Oxide															
C	Copper Oxide	Nitrogen dioxide															
D	Copper	Nitrogen Oxide															
26	<p>The approximate pH values of four salts are given below. Select the row(s) containing the correct information.</p> <table border="1"> <thead> <tr> <th></th> <th>Name of Salt</th> <th>pH</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>Potassium Sulphate</td> <td>10</td> </tr> <tr> <td>II</td> <td>Ammonium Nitrate</td> <td>5</td> </tr> <tr> <td>III</td> <td>Sodium acetate</td> <td>3</td> </tr> <tr> <td>IV</td> <td>Sodium hydrogen carbonate</td> <td>8</td> </tr> </tbody> </table> <p>A. Both (I) and (II) B. Both (II) and (III) C. Both (III) and (IV) D. Both (II) and (IV)</p>			Name of Salt	pH	I	Potassium Sulphate	10	II	Ammonium Nitrate	5	III	Sodium acetate	3	IV	Sodium hydrogen carbonate	8
	Name of Salt	pH															
I	Potassium Sulphate	10															
II	Ammonium Nitrate	5															
III	Sodium acetate	3															
IV	Sodium hydrogen carbonate	8															
27	<p>The solution of one of the following compounds will not conduct electricity. This compound is:</p> <p>A. NaCl B. CCl₄ C. MgCl₂ D. CaCl₂</p>																
28	<p>The electronic configurations of three elements X, Y and Z are X — 2, 8; Y — 2, 8, 7 and Z — 2, 8, 2. Which of the following is correct?</p> <p>A. X is a metal B. Y is a metal C. Z is a non-metal D. Y is a non-metal and Z is a metal</p>																
29	<p>If 10 mL of H₂SO₄ is mixed with 10 mL of Mg(OH)₂ of the same concentration, the resultant solution will give the following colour with universal indicator:</p> <p>A. Red B. Yellow C. Green D. Blue</p>																
30	<p>A visually challenged student has to perform a lab test to detect the presence of acid in a given solution. The acid-base indicator preferred by him will be:</p> <p>A. Blue litmus</p>																

	<p>B. Clove oil</p> <p>C. Red cabbage extract</p> <p>D. Hibiscus extract</p>
<p>Question No. 31 to 34 consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:</p> <p>A. Both A and R are true and R is the correct explanation of A</p> <p>B. Both A and R are true and R is not the correct explanation of A</p> <p>C. A is true but R is false</p> <p>D. A is False but R is true</p>	
31	<p>Assertion : When copper sulphate crystals are heated in a dry boiling tube, they turn white.</p> <p>Reason : Water of crystallization is the number of water molecules present in one formula unit of a salt.</p>
32	<p>Assertion : The decomposition reaction of silver chloride into silver and chlorine is an exothermic process.</p> <p>Reason : Reactions in which energy is absorbed are known as endothermic reactions.</p>
33	<p>Assertion : Transpiration cools leaf surface.</p> <p>Reason : Transpiration helps in translocation of sugar in plants.</p>
34	<p>Assertion (A): A rainbow is always formed in the sky after a rain shower and in the same direction as sun.</p> <p>Reason (R): Water droplets act like tiny prisms</p>
35	<p>Sodium hydrogen carbonate when added to acetic acid evolves a gas. Which of the following statements are true about the gas evolved?</p> <p>(I) It turns lime water milky.</p> <p>(II) It extinguishes a burning splinter.</p> <p>(III) It dissolves in a solution of sodium hydroxide.</p> <p>(IV) It has a pungent odour.</p> <p>A. (I) and (II)</p> <p>B. (I), (II) and (III)</p> <p>C. (II), (III) and (IV)</p> <p>D. (I) and (IV)</p>
36	<p>Which one of the following statements is correct about the human circulatory system?</p> <p>A. Blood transports only oxygen and not carbon dioxide.</p> <p>B. Human heart has five chambers.</p>

	<p>C. Valves ensure that the blood does not flow backwards.</p> <p>D. Both oxygen-rich and oxygen-deficient blood gets mixed in the heart.</p>
37	<p>Single circulation, i.e., blood flows through the heart only once during one cycle of passage through the body, is exhibited by:</p> <p>A. Labeo, Chameleon, Salamander</p> <p>B. Hippocampus, Exocoetus, Anabas</p> <p>C. Hyla, Rana, Draco</p> <p>D. whale, dolphin, turtle</p>
38	<p>Which of the following part of the human excretory system is under nervous control?</p> <p>A. Ureters</p> <p>B. Urethra</p> <p>C. Urinary bladder</p> <p>D. Collecting duct</p>
39	<p>An optical device has been given to a student and he determines its focal length by focusing the image of the sun on a screen placed 24 cm from the device on the same side as the sun. Select the correct statement about the device.</p> <p>A. Convex mirror of focal length 12 cm</p> <p>B. Convex lens of focal length 24 cm</p> <p>C. Concave mirror of focal length 24 cm</p> <p>D. Convex lens of focal length 12 cm</p>
40	<p>The angle between the incident and reflected rays is 90° as shown below:</p>  <p>If the plane mirror is rotated by 10° about O in the anti-clockwise direction, then the angle between the incident and reflected rays will be:</p> <p>A. 55°</p> <p>B. 90°</p> <p>C. 100°</p> <p>D. 110°</p>

41

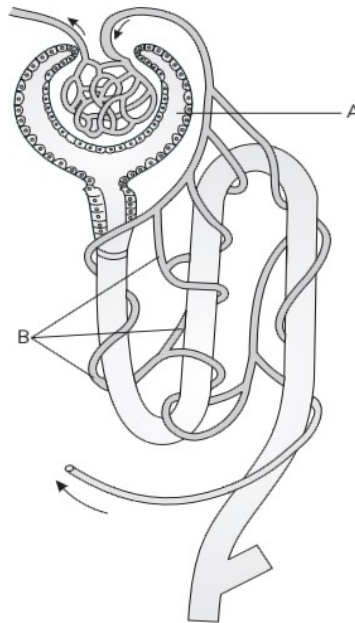
Which of the following statements are incorrect about aerobic respiration?

- (I) The first step is the break-down of glucose into *pyruvate*.
- (II) Glucose is a six-carbon molecule and pyruvate is a three-carbon molecule.
- (III) The breakdown of glucose takes place in the mitochondria.
- (IV) The breakdown of pyruvate using oxygen takes place in the cytoplasm.

- A. Both (I) and (III)
- B. Both (II) and (IV)
- C. Both (III) and (IV)
- D. (I), (III) and (IV)

42

The correct function of parts labelled 'A' and 'B' in the figure below is:



A	Filtration of Blood	Reabsorption of glucose, salts and amino acids
B	Reabsorption of glucose, salts and amino acids	Filtration of Blood
C	Reabsorption of hormones from blood	Filtration of Blood
D	Collection of Urine	Reabsorption of glucose, salts and amino acids

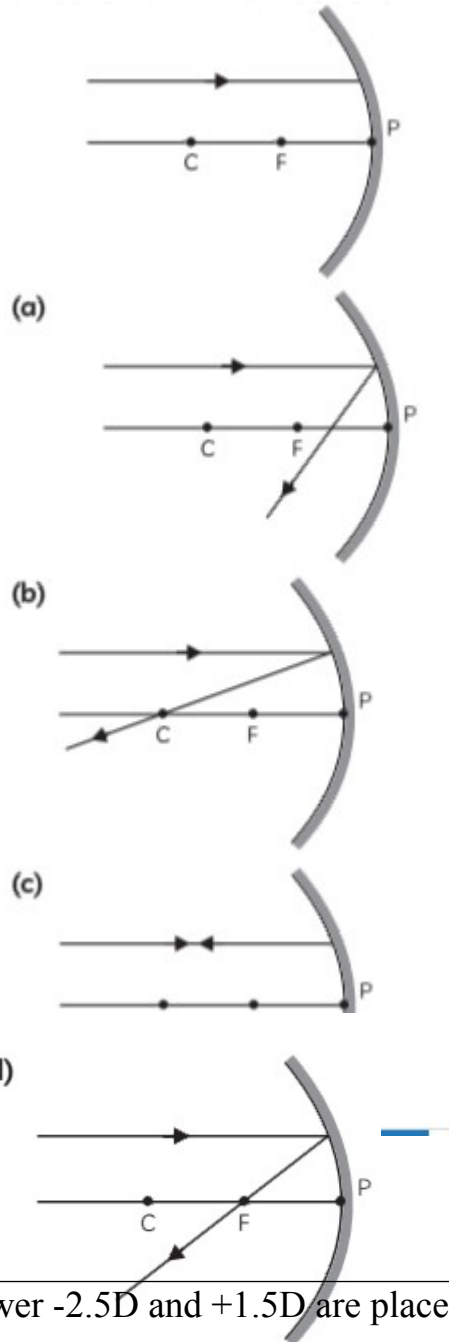
43

A doctor has prescribed corrective lens of power +1.5 D Find focal length of lens.

- (a.) -0.66 m
- (b.) + 0.66 m
- (c.) -1.5 m
- (d.) +1.5 m

44

Which of the following ray diagrams is correct for the ray of light incident on a concave mirror as shown in figure?



45

Two lenses of power -2.5D and +1.5D are placed in contact. Find the total power

- a. -1.0 D
- b. -4.0 D
- c. +4.0 D
- d. +1.0 D

46	<p>The refractive index of four substances P, Q, R and S are 1.50, 1.36, 1.77 and 1.31 respectively. The speed of light is the maximum in the substance:</p> <p>A. P B. Q C. R D. S</p>
47	<p>A student obtained a sharp inverted image of a distant tree on the screen placed behind a convex lens. He then removed the screen and tried to look through the lens in the direction of the object. He would now observe:</p> <p>A. a blurred image on the wall of the laboratory B. an erect image of the tree on the lens C. no image as the screen has been removed D. an inverted image of the tree at the focus of the lens</p>
48	<p>In the given reaction, $\text{Al}_2\text{O}_3 + \text{NaOH} \rightarrow \text{X} + \text{H}_2\text{O}$.</p> <p>What is element X?</p> <p>A. NaAlO_2 B. Na_3Al C. Na_2O_3 D. NaAl_2O_3</p>

SECTION – C

Section- C consists of three Cases followed by questions. There are a total of 12 questions in this section. Attempt any 10 questions from this section.

The first attempted 10 questions would be evaluated

Case	<p>Frothing in Yamuna</p> <p>The primary reason behind the formation of the toxic foam is high phosphate content in the wastewater because of detergents used in dyeing industries, dhobi Ghats and households. Yamuna's pollution level is so bad that parts of it have been labelled 'dead' as there is no oxygen in it for aquatic life to survive.</p>
------	---



- 49 Predict the pH value of the water of river Yamuna if the reason for froth is high content of detergents dissolved in it.
- A. 10-11
 - B. 5-7
 - C. 2-5
 - D. 7

- 50 Which of the following statements is correct for the water with detergents dissolved in it?
- A. low concentration of hydroxide ion (OH^-) and high concentration of hydronium ion (H_3O^+)
 - B. high concentration of hydroxide ion (OH^-) and low concentration of hydronium ion (H_3O^+)
 - C. high concentration of hydroxide ion (OH^-) as well as hydronium ion (H_3O^+)
 - D. equal concentration of both hydroxide ion (OH^-) and hydronium ion (H_3O^+).

51 The table provides the pH value of four solutions P, Q, R and S

Solution	pH Value
P	2
Q	9
R	5
S	11

Which of the following correctly represents the solutions in increasing order of their hydronium ion concentration?

- A. $\text{P} > \text{Q} > \text{R} > \text{S}$
- B. $\text{P} > \text{S} > \text{Q} > \text{R}$
- C. $\text{S} < \text{Q} < \text{R} < \text{P}$
- D. $\text{S} < \text{P} < \text{Q} < \text{R}$

52 If a sample of water containing detergents is provided to you, which of the following methods will you adopt to neutralize it?

A. Treating the water with baking soda
 B. Treating the water with vinegar
 C. Treating the water with caustic soda
 D. Treating the water with washing soda

Case **The unfolding COVID-19 pandemic**

The unfolding COVID-19 pandemic has led to a global crisis which threatens to become a health, economic and humanitarian disaster. COVID-19 or Corona Virus Disease 2019 is the term used by the WHO to refer to disease caused by this virus. The virus was also called 2019-nCoV (or 2019 novel Corona Virus) prior to being official named by the WHO. COVID-19 is predominantly a respiratory disease, with severity ranging from mild to fatal, and transmission mostly from the spread of respiratory droplets. SARS-CoV-2 is transmitted person-to-person, predominantly by respiratory droplet spread and contact, similar to the MERS and SARS Corona viruses.

53 Select the incorrect statement about the COVID-19 disease:

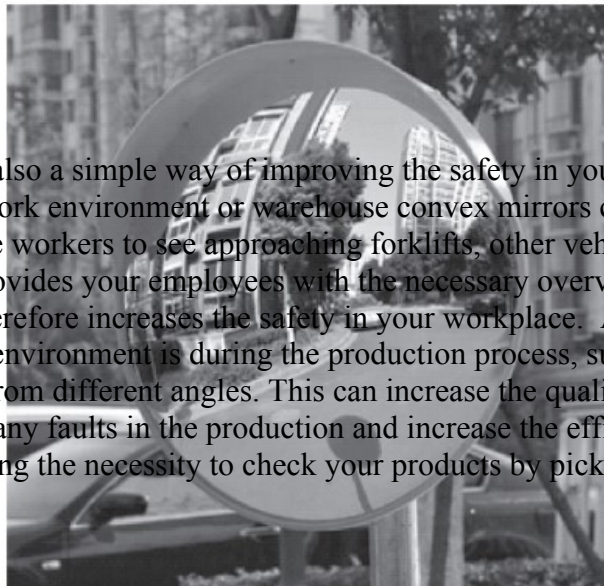
A. COVID-19 disease is caused by a virus.
 B. It is a respiratory disease
 C. It is transmitted mostly by respiratory droplets.
 D. It can be cured by taking antibiotics

54 From the statements given below, identify the incorrect cause of the disease:

	Respiratory Diseases	Cause
A	Tuberculosis	Infection of trachea
B	Emphysema	Emphysema Reduction of gas exchange area of the lungs
C	Asthma	constriction of the bronchi and

	<p>D Pneumonia</p> <p>bronchioles An infection of the alveoli</p>
55	<p>Given below are four statements about respiration. Identify the correct statement (s).</p> <p>(I) During inhalation, the chest cavity becomes larger. (II) Exchange of gases takes place in the bronchioles. (III) Alveoli increase surface area for exchange of gases. (IV) Haemoglobin has greater affinity for carbon dioxide than oxygen.</p> <p>A. Both I and II B. Both II and III C. Both I and III D. Both II and IV</p>
56	<p>Which one of the following statements is false about the trachea?</p> <p>A. It has rings of cartilage B. It is covered by epiglottis C. It splits into the right and left lungs D. It is also called windpipe.</p>
Case	<p>Convex mirror</p> <p>One of the most common uses for the convex mirror is the passenger-side mirror on your car. Convex mirrors are also often found in the hallway of various buildings including hospitals, hotels, schools, stores and apartment buildings. Usually, these mirrors are mounted to a wall or ceiling at points where hallways cross each other or make a sharp turn. This eliminates blind spots and provides people with a good overview of their surroundings. The convex mirror is also used to provide safety for motorists on roads, driveways and in alleys of where there is lack of</p>

visibility.



A convex mirror is also a simple way of improving the safety in your warehouse or production environment. In a work environment or warehouse convex mirrors can be placed at crossings or blind spots to enable workers to see approaching forklifts, other vehicles or approaching colleagues. This provides your employees with the necessary overview of their work environment and therefore increases the safety in your workplace. Another use of the convex mirror in this work environment is during the production process, such as on the conveyor belt to view your product from different angles. This can increase the quality of your products by becoming aware of any faults in the production and increase the efficiency of the production process by eliminating the necessity to check your products by picking them up from the conveyor belt.

57	<p>Select the characteristics of convex mirror due to which it is used as rear view mirrors.</p> <ul style="list-style-type: none">(I) Convex mirror always forms a virtual and erect image(II) Convex mirrors may form real or virtual image depending upon the position of object(III) Convex mirrors provide a wider field of view as they are curved outwards.(IV) Images formed by convex mirrors are usually larger than the object. <p>A. Both (I) and (III) B. Both (II) and (III) C. Both (I) and (IV) D. Both (III) and (IV)</p>
58	<p>As the object is moved away from the focus of the convex mirror:</p> <ul style="list-style-type: none">A. size of image does not changeB. size of image increaseC. size of image decreasesD. Cannot be ascertained as size of image depends upon the focal length of the convex mirror.
59	<p>The magnification produced by a convex mirror is always:</p> <ul style="list-style-type: none">A. Equal to +1B. Equal to -1C. Greater than +1D. Smaller than +1

60	The image f distance and containing t		ct. The object select the row														
			<table border="1"> <thead> <tr> <th data-bbox="475 387 576 421">Option</th> <th data-bbox="659 387 927 421">Object Distance (u)</th> <th data-bbox="1050 387 1310 421">Image Distance (v)</th> </tr> </thead> <tbody> <tr> <td data-bbox="512 427 539 461">A</td> <td data-bbox="746 427 839 461">-90 cm</td> <td data-bbox="1121 427 1246 461">+22.5 cm</td> </tr> <tr> <td data-bbox="512 465 539 499">B</td> <td data-bbox="735 465 850 499">-22.5 cm</td> <td data-bbox="1121 465 1230 499">+90 cm</td> </tr> <tr> <td data-bbox="512 504 539 537">C</td> <td data-bbox="746 504 839 537">-90 cm</td> <td data-bbox="1121 504 1241 537">-22.5 cm</td> </tr> <tr> <td data-bbox="512 542 539 575">D</td> <td data-bbox="746 542 839 575">-90 cm</td> <td data-bbox="1121 542 1230 575">+90 cm</td> </tr> </tbody> </table>	Option	Object Distance (u)	Image Distance (v)	A	-90 cm	+22.5 cm	B	-22.5 cm	+90 cm	C	-90 cm	-22.5 cm	D	-90 cm
Option	Object Distance (u)	Image Distance (v)															
A	-90 cm	+22.5 cm															
B	-22.5 cm	+90 cm															
C	-90 cm	-22.5 cm															
D	-90 cm	+90 cm															

KENDRIYA VIDYALAYA AFS,BAGDOGRA

Holiday Homework

Class X

1. What was main aim of the Treaty of Vienna of 1815?
2. Do the following two statements mean the same? Justify your answer.

People have different developmental goals.

People have conflicting developmental goals.
3. "The Earth has enough resources to meet the needs of all but not enough to satisfy the greed of even one person". How is this statement relevant to the discussion of development? Discuss.
4. Explain the objective of implementing the NREGA 2005.
5. . Do you think the classification of economic activities into primary, secondary and tertiary is useful? Explain how.
6. Examine the three major problems created as a result of indiscriminate utilization of natural resources.
7. Briefly trace the process of German unification.
8. Why did nationalist tensions emerge in the Balkans?

9. What do you understand by disguised unemployment? Explain with an example each from the urban and rural areas.
10. Distinguish between red and laterite soils, stating five points of distinction
11. Explain any five steps taken by the central and state governments to improve Indian agriculture after independence.
12. Distinguish between primitive subsistence farming and intensive subsistence farming.
13. Suggest any three steps to minimise the environmental degradation caused by the industrial development in India.
14. Bring out any two sharp contrasts between Belgium and Sri Lankan democracies.
15. What makes India a Federal Country?

MAP WORK

16. (a) Two places A and B have been marked on the given political outline map of India Identify them with the help of the following information and write their correct names on the lines drawn near them.

A. The place related to the calling off Non-Cooperation Movement

B. The place where the peasants struggled against the Indigo Plantation system.

(b) On the same outline map of India locate and label any four of the following with suitable symbols on the same given outline political map of India.

i. Sardar sarovar - Dam.

ii. Durgapur - Iron and Steel Plant.

iii. Hyderabad - Software Technology Park

iv. Namrup – Thermal power plant.

v. Kakrapara - Nuclear power plant.

vi. Mumbai - Silk Textile Industry

INDIA

