SAMPLE PAPER

Class : X

PHYSICS

- 1. An object is placed at a distance 30 cm from a convex mirror of focal length 15 cm. The image formed is
 - (a) 20 cm from the pole

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- (b) real and magnified -10 cm from the pole
- (c) $+10 \ cm$ from the pole
- (d) $+ 60 \ cm$ from the pole
- 2. Figure shows a ray of light as it travel from medium A to medium B. The refractive index of medium B relative to medium A is



- **3.** A light bulb is placed between two plane mirrors inclined at angle of 60°. The number of images formed are
 - (a) 6 (b) 2 (c) 5 (d) 4
- **4.** A plane mirror makes an angle of 30° with horizontal. If a vertical ray strikes the mirror. Find the angle between mirror and the reflected ray

(a)
$$30^{\circ}$$
 (b) 60°

- (c) 90° (d) 45°
- 5. An object is placed at distance f from the convex mirror of focal length f. The distance of the image from the pole of mirror is

(a) infinite
(b)
$$\frac{f}{2}$$

(c) $\frac{3f}{2}$
(d) $2f$

SAMPLE PAPER

CLASS : X

 $x_1 + x_2$

When an object is at distances of x_1 and x_2 from the pole of a concave mirror, images of same size 6. are formed, the focal length of the mirror is

(a)
$$x_1 + x_2$$

(b) $\frac{x_1 + x_2}{2}$
(c) $(x_1 x_2)^{1/2}$
(d) $(x_1^2 + x_2^2)^{1/2}$

The distance between an object and its real image formed by a lens is 100 cm. If image height is 7. three times of object height, the focal length of the lens is

(a)
$$\frac{25}{4}cm$$
 (b) $\frac{50}{4}cm$
(c) $\frac{75}{2}cm$ (d) $\frac{75}{4}cm$

By a convex lens, area of real image is 16 times that of square object. If the distance of object is 8. 30 cm from lens, the focal length of the lens is

- (b) 24 cm (a) 12 cm
- (c) 6 cm (d) 18 cm
- A fish looking up through the water sees the outside world contained in a circular horizon. If the 9. refractive index of water is 4/3 and the fish is 12 cm below the surface, the radius of the circle is :
 - (a) $12 \times 3 \times \sqrt{5} \ cm$ (b) $12 \times 3 \times \sqrt{7}$ cm (d) $12 \times \frac{3}{\sqrt{7}} cm$ (c) $12 \times \sqrt{5/2} \ cm$
- 10. Two thin lenses of focal lengths 20 cm and 25 cm are placed in contact. The effective power of the combination is : Eduventure
 - (a) $\frac{1}{9}$ dioptre (b) 45 dioptre
 - (c) 6 dioptre
- 11. The linear magnification for a mirror is the ratio of the size of the image to the size of the object, and is denoted by *m*. Then *m* is equal to (symbols have their usual meanings) :

(d) 9 dioptre

- (a) $\frac{uf}{u-f}$ (b) $\frac{uf}{u-f}$ (c) $\frac{f}{u-f}$ (d) None of these
- **12.** A spherical mirror and spherical lens have each focal length of -10 cm. The mirror and lens are :
 - (a) Both convex (b) Both concave
 - (c) Mirror is convex and lens is concave (d) Mirror is concave and lens is convex
- 13. The refractive index of air relative to glass is 2/3 and that of diamond relative to air is 12/5. The refractive index of glass relative to diamond is :
 - (a) $\frac{5}{18}$ (d) $\frac{18}{5}$ (b) $\frac{8}{9}$ (c) $\frac{5}{8}$

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14.	The distance of the eye lens from the retine	is x. For a normal eye, the maximu	m focal length of the
	eye lens is :		
	(a) $< x$	(b) $> x$	
	(c) $2x$	(d) <i>x</i>	
15.	The intensity of scattered light depends on	he wavelength of incident light?	
	(a) $I \propto \lambda^4$	(b) $I \propto \lambda^{-4}$	
	(c) $I \propto \lambda^2$	(d) $I \propto \lambda^{-2}$	
	<u>C</u>	HEMISTRY	
16.	The acid used in making of vinegar is -		
	(a) Formic acid	(b) Acetic acid	
	(c) Sulphuric acid	(d) Nitric acid	
17.	Common name of H ₂ SO ₄ is -		
	(a) Oil of vitriol	(b) Muriatic acid	
	(c) Blue vitriol	(d) Green vitriol	
18.	$CuO + (X) \rightarrow CuSO_4 + H_2O$. Here (X) is		
	(a) CuSO ₄	(b) HCl	
	(c) H_2SO_4	(d) HNO ₃	
19.	Which of the following is the weakest base	?	
	(a) NaOH	(b) NH ₄ OH	
	(c) KOH Eduventure	(d) Ca(OH) ₂	
20.	When CO_2 is passed through lime water, it	turns milky. The milkness is due to th	ne formation of
	(a) CaCO ₃	(b) Ca(OH) ₂	
	(c) H ₂ O	(d) CO ₂	
21.	Caustic soda is the common name for -		
	(a) $Mg(OH)_2$	(b) KOH	
	(c) $Ca(OH)_2$	(d) NaOH	
22.	Calcium hydroxide (slaked lime) is used in	-	
	(a) Plastics and dyes	(b) Fertilizers	
	(c) Antacids	(d) White washing	
23.	One of the following is an exothermic react	ion, This is :	
	(a) electrolysis of water	(b) conversion of limestor	ne into quickline
	(c) process of respiration	(d) process of photosynth	esis
24.	The chemical equations are balanced to s This law is known as :	atisfy one of the following laws in	chemical reactions
	(a) law of conservation of momentum	(b) law of conservation of	f mass
	(c) law of conservation of motion	(d) law of conservation of	
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Eduven	rigua	SAMPLE PAPER	CLASS : X			
25.	A white precipitate can be obtain	ned by adding dilute sulpl	huric acid to :			
	(a) CuSO ₄ solution	(b)	NaCl solution			
	(c) BaCl ₂ solution	(d)	Na ₂ SO ₄ solution			
26.	A white precipitate will be formed	ed if we add common salt	t solution to :			
	(a) $Ba(NO_3)_2$ solution	(b)	KNO ₃ solution			
	(c) AgNO ₃ solution	(d)	Ma(NO ₃) ₂ solution			
27.	Consider the following equation of the chemical reaction of a metal M :					
	$4M + 3 O_2 \longrightarrow 2M_2O_3$					
	This equation represents					
	(a) combination reaction as well	l as reduction reaction				
	(b) decomposition reaction as w	vell as oxidation reaction				
	(c) oxidation reaction as well as	s displacement reaction				
	(d) combination reaction as well	l as oxidation reaction				
28.	The process of respiration is :					
	(a) an oxidation reaction which	is endothermic				
	(b) a reduction reaction which i	s exothermic				
	(c) a combination reaction which is endothermic					
	(d) an oxidation reaction which	is exothermic				
29.	Which of the following can be d	ecomposed by the action	of light ?			
	(a) NaCl		KCI			
	(c) AgCl	(d)	CuCl			
30.	Formation of carbon disulphide from carbon and sulphur takes place by					
	(a) absorption of heat	(b)	evolution of heat			
	(c) no change in heat content	(d)	None of the above			
		<u>MATHEMATICS</u>				
31.	A number $\frac{p}{q}$, when expressed in decimal form, terminates after 7 digits, then factors of q are of the					
	form $x^m x y^n$; the value of $x + y$					
	(a) 7	(b)				
	(c) 9	(d)				
32.	There is a circular path around a field. Reema takes 22 minutes to complete one round while her friend Saina takes 20 minutes to complete the same. If they both start at the same time and move in the same direction after how many minutes will they meet again at the starting					
	(a) 220		3.4			
	(c) 440	(d)	4.4			
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t Eduver	rigya	SAMPLE PAPER		CLASS : X			
41.	41. The area of the triangle whose vertices are A(1, 2), B(-2, 3) and C(-3, -4) is						
	(a) 11	(b) 22	(c) 33	(d) 21			
42.	The line segment	t joining the points $(3, -1)$ and	(- 6, 5) is trise	cted. The coordinates of point of			
	trisection are						
	(a) (3, 3)		(b) $(-3, 3)$				
	(c) $(3, -3)$	2	(d) $(-3, -3)$				
43.		= 1, then $\sin^2 A + \sin^4 A$ is equal					
	(a) -1		(b) 0				
	(c) 1		(d) None of	these			
44.	$3\sin^2 20^\circ - 2\tan^2$	$45^{\circ} + 3\sin^2 70^{\circ}$ is equal to					
	(a) 0	(b) 1	(c) 2	(d) – 1			
45.	Find ratio in whic	th line joining of points $A(-7, -1)$) and B(8, 2) is d	livided by $x + y = 2$?			
	(a) 5:4	(b) 4:3	(c) 3:2	(d) 6:5			
		BIOLOG					
46.	-		e water. The so	lution turned blue-black in color.			
		t rice water contains	(1.) Simular				
	(a) Complex pro		(b) Simple p	roteins			
47	(c) Fats	aat gagwanaa of norte in human ali	(d) Starch				
4/.	Which is the correct sequence of parts in human alimentary canal?						
	(a) Mouth \rightarrow stomach \rightarrow small intestine \rightarrow oesophagus \rightarrow large intestine (b) Mouth \rightarrow stomach \rightarrow stomach \rightarrow large intestine \rightarrow areall intestine						
		(b) Mouth \rightarrow oesophagus \rightarrow stomach \rightarrow large intestine \rightarrow small intestine					
	 (c) Mouth → stomach → oesophagus → small intestine → large intestine (d) Mouth → stomach → stomach → small intestine → large intestine 						
18	(d) Mouth \rightarrow oesophagus \rightarrow stomach \rightarrow small intestine \rightarrow large intestine Which part of alimentary canal receives bile from the liver ?						
40.	(a) Stomach	nentary canar receives one nonit	(b) Small int	estine			
	(a) Stomach(c) Large intestin	16	(d) Oesopha				
49	Č,			-			
77.	Single circulation i.e., blood flows through the heart only once during one cycle of passage through the body, is exhibited by						
	(a) Labeo, Cham	eleon, Salamander	(b) Hippocar	mpus, Exocoetus, Anabas			
	(c) Hyla, Rana, I	Draco	(d) Whale, I	Dolphin, Turtle			
50.	The recessive gen	e is the one that expresses itself in	n —				
	(a) Homozygous	condition	(b) Heterozy	gous condition			
	(c) F2 generation	1	(d) None of	these			
51.	Transport of food	material in higher plants takes pl	ace through				
	(a) Tracheids		(b) Transfus	ion tissue			
	(c) Companion c	eells	(d) Sieve ele	ements			

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52.	Gametes are formed as a result of –				
	(a) Mitosis	(b) Meiosis			
	(c) Cell division	(d) Reproduction			
53.	Pollutant majorly responsible for ozone laye	er depletion is –			
	(a) Sulphur dioxide	(b) Nitrous oxide			
	(c) Chlorofluorocarbon	(d) Methanes			
54.	Disposable plastic plates should not be used	because			
	(a) They are made up of material with light	t weight			
	(b) They are made of toxic material				
	(c) They are made up of biodegradable mat	terial			
	(d) They are made up of non-biodegradabl	e material			
55.	The decomposers in an ecosystem				
	(a) Convert inorganic material, to simpler the	forms			
	(b) Convert organic material to inorganic for	orms			
	(c) Convert inorganic materials into organi	c compounds			
	(d) Do not breakdown organic compounds				
56.	What is likely to happen if the number of frogs in the food chain given below decreases ?				
	$Grass \rightarrow Grasshopper \rightarrow Frog \rightarrow Snake$				
	(a) The population of snakes decreases	(b) The population of	grasshoppers increases		
	(c) The shortage of grass plants	(d) All of these			
57.	Which of the following statement is incorrect	ct?			
	(a) All green plants and blue green algae an	re producers			
	(b) Green plants get their food from organi	c compounds			
	(c) Producers prepare their own food from inorganic compounds				
	(d) Plants convert solar energy into chemical energy				
58.	Select the incorrect statement.				
	(a) Frequency of certain genes in a po evolution	pulation change over several	generations resulting in		
	(b) Reduction in weight of the organism du	e to starvation is genetically con	trolled		
	(c) Low weight parents can have heavy weight progeny				
	(d) Traits which are not inherited over gene	erations do not cause evolution			
59.	Which of the following statements is incorre	ect?			
	(a) For every hormone there is a gene				
	(b) For every protein there is a gene				
	(c) For production of every enzyme there is	s a gene			
	(d) For every molecule of fat there is a gen	e			



60. Maleness of a child is determined by

- (a) Y chromosome in zygote
- (c) By chance

(b) X chromosome in zygote

Girls

Tall

(d) Cytoplasm of the germ cell

MENTAL ABILITY

- **61.** A clock is set to show the correct time at 11 a.m. The clock gains 12 minutes in 12 hours. What will be the true time when the clock indicates 1 p.m. on the 6th day?
 - (a) 10 a.m.
 - (c) 12 noon

- (b) 11 a.m.
- (d) None of these

62. Which day can be the first day and last day of any century?

Energetic

(a) Monday

(c) Friday

- (b) Tuesday(d) Wednesday
- Direction (Q.63 & Q.64)

The following questions are based on the diagram given below. In the diagram, circle represents tall children, the square represents obese children, rectangle represents the energetic children and the triangle represents girl children. Study the diagram and answer the questions that follow.

15



63. Which areas represent energetic children who are not obese ?

- (a) 1, 13 and 15 (b) 13 and 15
- (c) 1, 11 and 15 (d) 6, 13 and 15

64. Which of the following areas represent obese and energetic children, who are neither girls nor tall?

- (a) 2 and 12
- (c) 2 and 3

- (b) 3 and 10
- (d) 11 and 12

SAMPLE PAPER CLASS : 2	x trigge
Direction (Q.65 & Q.66) :	
In a certain code language if	
'pit na sa' means 'you are welcome'	
'na ho pa la' means 'They are very good'	
'ka da la' means 'who is good'	
'od ho pit la' means 'they welcome good people'	
65. Which of the following means 'people' in that code language?	?
(a) ho (b) pit	
(c) la (d) od	
66. Which of the following means 'very' in that code language?	
(a) na (b) da	
(c) pa (d) data	a inadequate
67. A watch, which gains uniformly, is 2 min, slow at noon on Su PM on the following Sunday. When was it correct ?	unday, and is 4 min 48 seconds fast at 2
(a) 2 : 00 PM on Tuesday (b) 12 1	Noon on Monday
(c) 2:00 AM on Tuesday (d) Nor	ne of these
68. In a coded language: $\bigcirc \times \square = 8, \qquad \bigtriangleup \times \bigcirc = 10,$	Ja
$ \sum_{\text{Then}} \sum_{i=20, i} \sum_{i=35, i} \sum_{i=35, i} \sum_{i=1}^{n} \sum_{$	
(a) 2 (b) 4	
(c) 7 (d) 5	
69. Pointing out to a lady, a girl said "She is the daughter-in-law o son" How is the lady related to the girl ?	of the grand mother of my father's only
(a) Sister-in-law (b) Mo	ther
(c) Aunt (d) Cou	
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trigga Eduventure	SAMPLE PAPER	CLASS : X
alternative where th		statement has three segments. Choose the can be logically deduced using both the
(A) Dinosaurs are pr pre-historic crea		es are not dinosaurs. Water buffaloes are not
(B) All politicians a	re frank. No frank people are crocod	liles. No crocodiles are politicians.
(C) No diamond is c	juartz. No opal is quartz. Diamonds	are opals.
(D) All monkeys lik	e bananas. Some GI Joes like banan	as. Some GI Joes are monkeys.
(a) C only	(b)	B only
(c) A and D	(d)	B and C
71. In certain code, BOX	KER is written as AQWGQ. How VI	SIT is written in that code?
(a) UKRKU	(b)	UKRKS
(c) WKRKU	(d)	WKRKS
72. In the following que	stion on multiplication, Each letter a	lways stand for same digit
	A M D	
	× D A	
	M P R	
	B P S	R
For which digit D sta		R
For which digit D sta (a) 3	ands?	
(a) 373. There are 16 secret telephone each other	ands ? (b) 8 (c) t agents who each know a differ	9 (d) 7 ent piece of secret information. They can ney know. After the telephone call, they both
(a) 373. There are 16 secret telephone each other know everything that	ands ? (b) 8 (c) t agents who each know a differ and exchange all the information the t either of them knew before the call	9 (d) 7 ent piece of secret information. They can ney know. After the telephone call, they both
(a) 373. There are 16 secret telephone each other know everything that	ands ? (b) 8 (c) t agents who each know a differ and exchange all the information the t either of them knew before the call n number of telephone calls required	(d) 7 ent piece of secret information. They can ney know. After the telephone call, they both d so that all of them know everything?
(a) 373. There are 16 secret telephone each other know everything tha What is the minimum	ands ? (b) 8 (c) t agents who each know a differ and exchange all the information the t either of them knew before the call n number of telephone calls required (b)	9 (d) 7 ent piece of secret information. They can ney know. After the telephone call, they both
 (a) 3 73. There are 16 secret telephone each other know everything tha What is the minimum (a) 28 (c) 120 	ands ? (b) 8 (c) t agents who each know a differ and exchange all the information the t either of them knew before the calls in number of telephone calls required (b) (d) "Yesterday I defeated the only brown	9 (d) 7 ent piece of secret information. They can ney know. After the telephone call, they both d so that all of them know everything? 53
 (a) 3 73. There are 16 secret telephone each other know everything that What is the minimum (a) 28 (c) 120 74. Rahul told Anand, 5 	ands ? (b) 8 (c) t agents who each know a differ and exchange all the information the t either of them knew before the call in number of telephone calls required (b) (d) "Yesterday I defeated the only broken feat ?	9 (d) 7 ent piece of secret information. They can hey know. After the telephone call, they both d so that all of them know everything? 53 None of these
 (a) 3 73. There are 16 secret telephone each other know everything that What is the minimum (a) 28 (c) 120 74. Rahul told Anand, Whom did Rahul definition of the telephone each other here is a secret telephone each other is a secret telephone each other here is	ands ? (b) 8 (c) t agents who each know a differ and exchange all the information the t either of them knew before the call in number of telephone calls required (b) (d) "Yesterday I defeated the only broken feat ? (b)	 9 (d) 7 ent piece of secret information. They can ney know. After the telephone call, they both d so that all of them know everything? 53 o None of these other of the daughter of my grandmother".
 (a) 3 73. There are 16 secret telephone each other know everything tha What is the minimum (a) 28 (c) 120 74. Rahul told Anand, Whom did Rahul def (a) Son 	ands ? (b) 8 (c) t agents who each know a differ and exchange all the information the t either of them knew before the call in number of telephone calls required (b) (d) "Yesterday I defeated the only broken feat ? (b) (d)	9 (d) 7 ent piece of secret information. They can ney know. After the telephone call, they both d so that all of them know everything? 53 None of these other of the daughter of my grandmother".
 (a) 3 73. There are 16 secret telephone each other know everything tha What is the minimum (a) 28 (c) 120 74. Rahul told Anand, Whom did Rahul def (a) Son (c) Brother 	ands ? (b) 8 (c) t agents who each know a differ and exchange all the information the t either of them knew before the call in number of telephone calls required (b) (d) "Yesterday I defeated the only broken feat ? (b) (d) m ?	 9 (d) 7 ent piece of secret information. They can ney know. After the telephone call, they both d so that all of them know everything? 53 o None of these other of the daughter of my grandmother". o Father o Father o Father-in-law
 (a) 3 73. There are 16 secret telephone each other know everything tha What is the minimum (a) 28 (c) 120 74. Rahul told Anand, Whom did Rahul def (a) Son (c) Brother 	ands ? (b) 8 (c) t agents who each know a differ and exchange all the information the t either of them knew before the call n number of telephone calls required (b) (d) "Yesterday I defeated the only broken feat ? (b) (d) n ? 7 11 14	 9 (d) 7 ent piece of secret information. They can hey know. After the telephone call, they both d so that all of them know everything? 53 o None of these o ther of the daughter of my grandmother". a Father b Father c Father a Father-in-law
 (a) 3 73. There are 16 secret telephone each other know everything tha What is the minimum (a) 28 (c) 120 74. Rahul told Anand, Whom did Rahul def (a) Son (c) Brother 	ands ? (b) 8 (c) t agents who each know a differ and exchange all the information the t either of them knew before the calls n number of telephone calls required (b) (d) "Yesterday I defeated the only broken feat ? (b) (d) n ? 7 11 14 8 ? 10	9 (d) 7 ent piece of secret information. They can hey know. After the telephone call, they both d so that all of them know everything? 53 None of these other of the daughter of my grandmother". Father Father Father-in-law
 (a) 3 73. There are 16 secret telephone each other know everything tha What is the minimum (a) 28 (c) 120 74. Rahul told Anand, Whom did Rahul def (a) Son (c) Brother 	ands ? (b) 8 (c) t agents who each know a differ and exchange all the information the t either of them knew before the call n number of telephone calls required (b) (d) "Yesterday I defeated the only broken feat ? (b) (d) n ? 7 11 14	9 (d) 7 ent piece of secret information. They can hey know. After the telephone call, they both d so that all of them know everything? 53 None of these other of the daughter of my grandmother". Father Father Father-in-law
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 (a) 3 73. There are 16 secret telephone each other know everything tha What is the minimum (a) 28 (c) 120 74. Rahul told Anand, Whom did Rahul def (a) Son (c) Brother 	ands ? (b) 8 (c) t agents who each know a differ and exchange all the information the t either of them knew before the call n number of telephone calls required (b) (d) "Yesterday I defeated the only broked feat ? (b) (d) 1 14 8 2 10 9 10 10 6 10 8	 9 (d) 7 ent piece of secret information. They can hey know. After the telephone call, they both is that all of them know everything? 53 None of these other of the daughter of my grandmother". Father Father-in-law

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SAMPLE PAPER



76. For the following question, select the option which most logically and simply completes the diagram:



77. Each question consists of five statements followed by options consisting of three statements put together in a specific order. Choose the option which indicates a valid argument, that is, where the third statement is conclusion drawn from the preceding two statements.

(A) Migration of people augments housing problem in urban areas.

- (B) Increase in housing problem is urban areas in detrimental to economic growth.
- (C) Migration of people is detrimental to economic growth.
- (D) Some migration does not cause increase in urban housing problem.
- (E) Some migration is not detrimental to economic growth.
- (a) CBA (b) BDE
- (c) CDE (d) BAC

Direction : (Q.78 & Q.79) :

The Vice Chancellor of a University wants to select a team of five members as the organizing committee for the next convocation of the University to be held in March 2015. The committee members are to be selected from five short listed professors (Prof. Ahuja, Prof. Banerjee, Prof, Chakravarty, Prof. Equbal, Prof. Das) and four short listed students (Prakash, Queen, Ravi and Sushil). Some conditions for selection of the committee members are given below :

- (i) Prof. Ahuja and Sushil have to be together
- (ii) Prakash cannot be put with Ravi
- (iii) Prof. Das and Queen cannot go together
- (iv) Prof. Chakravarty and Prof. Equbal have to be selected

- (v) Ravi cannot be selected with Prof. Banerjee.
- **78.** If two members of the committee are students and Prof. Das is one of the members of the committee, who are the other committee members ?
 - (a) Prof.Benerjee, Prof.Chakravarty, Prakash and Queen
 - (b) Prof.Ahuja, Prof.Banerjee, Sushil and Prakash
 - (c) Prof.Chakravarty, Prof.Equbal, Prakash and Sushil

Eduventure

- (d) None of the above
- **79.** In case Prof. Ahuja and Prof. Chakravarty are members, who are the other members who cannot be selected for the committee ?
 - (a) Prof. Benerjee, Prof. Equbal and Sushil
 - (b) Prof. Equbal, Sushil and Prakash
 - (c) Prof. Equbal, Prakash and Queen
 - (d) None of the above
- **80.** If in a particular year 'X' there are 53 Sundays, then how many Sundays will be there in a period of four years X to X + 3 year.
 - (a) 208
 - (c) 208 or 209

(b) 209(d) None of these

	SAMPLE PAPER	CL	ASS : X	
		ANSWER KE	<u>EY</u>	
		<u>PHYSICS</u>		
1. (c)	4. (b)	7. (d)	10. (d)	13. (c)
2. (a)	5. (b)	8. (b)	11. (c)	14. (d)
3. (c)	6. (b)	9. (d)	12. (b)	15. (b)
		CHEMISTRY	•	
16. (b)	19. (b)	22. (d)	25. (c)	28. (d)
17. (a)	20. (a)	23. (c)	26. (c)	29. (c)
8. (c)	21. (d)	24. (b)	27. (d)	30. (a)
		MATHEMATIC	<u>26</u>	
31. (a)	34. (a)	37. (a)	40. (d)	43. (c)
32. (a)	35. (d)	38. (d)	41. (a)	44. (b)
33. (a)	36. (a)	39. (c)	42. (b)	45. (a)
	Eduventu	re		I
		<u>BIOLOGY</u>		
46. (d)	49. (b)	52. (b)	55. (b)	58. (b)
47. (d)	50. (a)	53. (c)	56. (d)	59. (d)
18. (b)	51. (d)	54. (d)	57. (b)	60. (a)
		<u>MENTAL ABILI</u>	<u>11</u>	
61. (b)	65. (d)	69. (b)	73. (a)	77. (d)
6 2. (a)	66. (c)	70. (b)	74. (b)	78. (d)
63. (a)	67. (a)	71. (b)	75. (c)	79. (d)
64. (d)	68. (c)	72. (a)	76. (d)	80. (b)