## **Acids, Bases and Salts**

1.	A compound that turns lime water into colorless again when excess carbon dioxide is made to pas			hen excess carbon dioxide is made to pass
	through it is, *			
	A.	Calcium carbonate	B.	Calcium bicarbonate
	C.	Calcium Oxide	D.	Calcium Hydroxide
2.	The	e pH of four acids namely P, Q, R, S is 2, 5, 3, 6 res	pect	cively. The strongest acid among these acids is,
	A.	P	В.	Q
	C.	R	D.	S
3.	Alk	ali oxide among the following oxides is, *		
	A.	Carbon Dioxide	В.	Sulfur Dioxide
	c.	Sodium oxide	D.	Nitrogen oxide
4.	As t	the pH value of a solution decreases, **		
	A.	Number of OH <sup>-</sup> ions increases	В.	Number of H <sup>+</sup> ions increases
	c.	Number of H <sup>+</sup> ions decreases	D.	Equal number of OH and H ions
5.	The	gas liberated when dilute sulphuric acid reacts w	ith z	inc granules **
	A.	Sulphur dioxide	В.	Carbon dioxide
	C.	Nitrogen	D.	Hydrogen
6.	Na	OH + HCl $\rightarrow$ NaCl + H <sub>2</sub> O. This chemical reaction is	an e	xample of **
	A.	Neutralization reaction	В.	Substitution reaction
	C.	Addition reaction	D.	Combustion reaction
7.	If a	solution turns red litmus into blue, its pH value is	5	
	A.	1	В.	4
	C.	5	D.	10
8.		colution reacts with crushed egg-shells and releas ntains,	es a	gas that turns lime-water milky. The solution
	A.	NaCl	В.	HCI

D. KCI

C. LiCl

9.	10 mL of a solution of NaOH is found to be completely neutralized by 8 mL of a given solution of HCl. If we take 20 mL of the same solution of NaOH, the amount HCl solution (the same solution as before) required to neutralize it will be,					
	A.	4 ml	В.	8 ml		
	C.	12 ml	D.	16 ml		
10.	In so	lutions, we use pH scale to measure,				
	A.	Density	В.	H $^{+}$ ion concentration		
	C.	OH ion concentration	D.	Conductivity		
11.	Whi	ch one of the following types of medicines is us	ed fo	r treating indigestion?		
	A.	Antibiotic	В.	Analgesic		
	C.	Antacid	D.	Antiseptic		
12.	2Na	OH + Zn $\rightarrow$ + H <sub>2</sub>				
	A.	Na <sub>2</sub> ZnO <sub>2</sub>	В.	NaZnO <sub>2</sub>		
	C.	Na <sub>2</sub> ZnO	D.	NaZnO		
13.	The	acid present in the stinging hair of nettle leaves	that	causes burning pain		
	A.	Citric acid	В.	Methanoic acid		
	C.	Tartaric acid	D.	Acetic acid		
14.	The	gas that is released when an acid reacts with th	ne m	etal carbonate is,		
	A.	Carbon Dioxide	В.	Hydrogen		
	C.	Oxygen	D.	Nitrogen		
15.	Two	o ions produced by CH <sub>3</sub> COOH are				
	A.	CH₃COO ¯ and H ¯	В.	CH₃COO <sup>†</sup> and H <sup>−</sup>		
	C.	CH₃CO <sup>+</sup> and OH <sup>-</sup>	D.	${ m CH_3}^+$ and ${ m COOH}^-$		
16.	The	molecular formula of hydronium ion is,				
	A.	H <sub>2</sub> O <sup>-</sup>	В.	H₃O <sup>+</sup>		
	C.	H <sub>2</sub> O <sup>+</sup>	D.	H <sub>3</sub> O <sup>-</sup>		
17.	The	group of alkali metals is,				
	A.	Na and K	В.	Fe and K		
	C.	Fe and Na	D.	Cu and Fe		
18.	The	correct method of diluting acid is,				
	A.	Adding acid to the water	В.	Adding water to the acid		
	C.	Add water to the acid and stir gently	D.	Add acid to the water and stir gently.		

19.	The pH value of rainwater that makes survival of aquatic life difficult is,							
	A. Less than 5.6	B. Less than 5.8						
	C. Less than 6.1	D. Less than 5.9						
20.	Two fruits that are rich in citric acid are,							
	A. Lemon and Tamarind	B. Lemon and Orange						
	C. Orange and Tamarind	D. Tomato and Tamarind						
21.	For better dental health and hygiene, the p	H value of toothpaste should be,						
	A. Less than 4	B. More than 6						
	C. More than 7	D. Less than 5						
22.	Upon mixing an acid or base with water, io	n concentration,						
	A. Increases	B. Decreases						
	C. Does not change	D. Becomes neutral						
23.	Two products of neutralization reaction are	2,						
	A. Water and Salt	B. Salt and Hydrogen						
	C. Water and hydrogen	D. Water and carbon dioxide						
24.	The pH range of our body is,							
	A. 6.0 to 7.8	B. 7.0 to 7.6						
	C. 7.0 to 7.7	D. 7.0 to 7.8						
	CH	HAPTER - 3						
	Metals	and Non-metals						
25.	A compound having high melting point *							
	A. Ionic compound	B. Covalent compound						
	C. Carbon compound	D. All the above						
26.	An alloy having constituents of lead and Tir	ı is *						
	A. Bronze	B. Brass						
	C. Solder	D. Stainless steel						
27.	Alloy of solder is used for welding electrica	al wires together ,because alloy of solder is *						
	A. Good insulator	B. Good heat conductor						
	C. High melting point	D. Low melting point						

28.	Amphoteric oxides react with the following	g reactant gives salt and water as a product *	
	A. Metal and non metal	B. Acid and base	
	C. Hydrogen and oxygen	D. Metal and base	
29.	Observe the following stages of extraction	of a metal from its ore *	
	Sulphide ore $\rightarrow$ -> Reduction $\rightarrow$	Purifications	
	The process that has to be done in the en	npty spaces is	
	A. Electrolysis	B. Calcinations	
	C. Roasting	D. Oxidation	
30.	Copper oxide react with Concentrated hy copper oxide is said to be as *	drochloric acid gives as water and minerals as produc	t,so
	A. Acidic oxide	B. Basic oxide	
	C. Neutrals oxide	D. Non metal Oxide	
31.	A balanced chemical equation for the rea	ction of aluminum metal with steam is *	
	A. $3AI + 2H_2O \rightarrow AI_2O_3 + 2H_2$	B. Al + $3H_2O \rightarrow 2 Al_2O_3 + H_2$	
	C. $2AI + H_2O \rightarrow 3AI_2O_3 + H_2$	D. $2AI + 3H_2O \rightarrow AI_2O_3 + 3H_2$	
32.	The process used to convert metal carbon	ate ores in to their oxides is **	
	A. Roasting	B. Reduction	
	C. Electrolysis	D. Calcinations	
33.	The atomic number of an element 'X' is 1 formation between these two elements	f I , and the atomic number of 'Y' is 17.Then the type $f c$	of bond
	A. Ionic bond	B. Covalent bond	
	C. Hydrogen bond	D. Metallic bond	
34.	Observe the following reactions **		
	Fe + CuSO <sub>4</sub> $\rightarrow$ FeSO <sub>4</sub> + Cu Zn	FeSO <sub>4</sub> → Zn SO <sub>4</sub> + Fe	
	The decreasing order of reactivity of met	ls in the above reaction is	
	A. Zn > Fe > Cu	B. Fe > Cu > Zn	
	C. Zn > Cu > Fe	D. Cu > Fe > Zn	
35.	A girl observe a blackish layer on a newly	brought silver anklets after 2 month .A gas responsib	ıle
	for this reaction is		
	A. Carbon dioxide	B. Sulphur	
	C. Oxygen	D. Nitrogen dioxide	

36.	Corrosion of this metal is advantage in it self				
	A. Iron	B. Copper			
	C. Magnesium	D. Aluminum			
37.	A gas evolved when a metal carbonate react with	h an acid which extinguish the burning candle			
	A. Hydrogen	B. Carbon dioxide			
	C. Oxygen	D. Nitrogen			
38.	Aluminum, Copper, Calcium and lead metals who	en kept in decreasing order of their reactivity are			
	A. Al > Pb > Cu> Ca	B. Ca > Al > Pb > Cu			
	C. Cu > Ca > Al >Pb	D. Pb > Ca > Cu > Al			
39.	Reaction between X and Y forms a compound Z,	'X' loses electron and 'Y' gains electron.			
	Which of the following properties is not shown by	oy 'Z'			
	A. Has high melting point	B. Has low melting point			
	C. Conduct electricity in molten state	D. Occurs as solid			
40.	Which of the following pairs will give displacement	ent reactions			
	A. NaCl solution and copper metal	B. MgCl <sub>2</sub> solution and aluminum metal			
	C. FeSO <sub>4</sub> solution and silver metal	D. AgNO <sub>3</sub> solution and copper metal			
41.	Which of the following methods is suitable for p	reventing an iron frying from rusting?			
	A. Applying grease	B. Applying paint			
	C. Applying coating of zinc	D. All of the above			
42.	An element react with oxygen to give a compour	nd with a high melting point .This compound is also			
	soluble in water. The elements is likely to be				
	A. Calcium	B. Carbon			
	C. Silicon	D. Iron			
43.	Food can are coated with tin and not with zinc b	ecause			
	A. Zinc is costlier than tin	B. Zinc has higher melting point than tin			
	C. Zinc is more reactive than tin	D. Zinc is less reactive than tin			
44.	A layer formed when magnesium metal is expose	ed to air is			
	A. Magnesium oxide	B. Magnesium carbonates			
	C. Magnesium sulphide	D. Magnesium nitrite			

45.	Purp	ose of concentration of sulphide ore by roasting	is						
	A.	To remove gangue from ores	В.	To remove water vapors in the ores					
	c.	To convert ore into oxides form	D.	All the above					
46.	Theri	mit process is used in							
	A.	Join Cracked bones	В.	Join cracked machinery parts					
	c.	Treatment of teeth	D.	Concentration of metal					
47.	From	1 gram gold it is possible to make wire up to 2k	m le	ngth ,here property of metal exhibit is					
	A.	Good conductor of electricity	В.	Malleability					
	c.	Ductility	D.	Sonorous					
48.	Follo	wing active metals preserved under kerosene							
	A.	Na & K	В.	K & C					
	c.	Na & Ca	D.	K & Al					
49.	For t	or the following alloys related statements which one is wrong?							
	A.	Low electric conductivity	В.	Low melting point					
	C.	Properties are different from its constituents	D	. High electric conductivity					
		CHARTER							
		CHAPTER	4	•					
		Carbon and Its C	om	pounds					
50.	Etha	ne with molecular formula C <sub>2</sub> H <sub>6</sub> has							
	A.	6 covalent bonds	В.	7 covalent bonds					
	C.	8 covalent bonds	D.	9 covalent bonds					
51.	Buta	none is a four - carbon compound with the fund	tion	al group					
	A.	Carboxylic acid	В.	Aldehyde					
	C.	Ketone	D.	Alcohol					
52.	Whi	ile cooking, if the bottom of the vessel is getting	blac	kened on the outside, it means that					
	A.	The food is not cooked completely	В.	The fuel is not burning completely					
	C.	The fuel is wet	D.	The fuel is burning completely.					

	A.	C₂H <sub>6</sub>	В.	C <sub>3</sub> H <sub>8</sub>
	C.	CH₄	D.	C₃H <sub>6</sub>
54.	Meta	allic ions that cause hardness in water		
	A.	Sodium and Potassium	В.	Chloride and Bromide
	C.	Calcium and magnesium	D.	Bromine and Iodine
55.	Nam	e of the organic compound having molecu	lar formu	la CH <sub>3</sub> CH <sub>2</sub> Br is *
	A.	Bromoethane	В.	Chloroethane
	C.	Ethanone	D.	Ethonal
56.	Cyclo	opentane has the molecular formula of $C_5$ F	H <sub>10</sub> . It has	
	A.	5 Covalent bonds	В.	10 Covalent bonds
	C.	12 Covalent bonds	D.	15 Covalent bonds
57.	Ident	ify the unsaturated compounds in the follo	owing. *	
	i) pro	pane ii) propene iii) propyne iv	v) Chlorop	ropane
	A.	i) and ii)	В.	ii) and iv)
	C.	iii) and iv)	D.	ii) and iii)
58.	The n	ame of this carbon compound *		H
	A.	Cyclohexane	В.	Hexene H C C H
	C.	Pentene	D.	Benzene H C C H
				H
59.	Comm	on difference between members of homo	logous sei	ries *
	A.	-CH <sub>2</sub>	В.	–СН
	C.	−CH <sub>4</sub>	D.	C <sub>2</sub> H <sub>5</sub>
<b>CO</b>	Carba	n has the unique chility to form hands with	h athar at	come of carbon giving rice to large
60.		on has the unique ability to form bonds with	n other at	oms of carbon, giving rise to large
		cules. This property is called*		
		Isomerism	В.	Allotropy
	C.	Catenation	D.	Hydrogenation

The hydrocarbon that undergoes addition reaction among the following is  $\mbox{\ensuremath{}^{*}}$ 

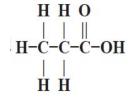
53.

- 61. Identify the correct equation in the following
  - A.  $CH_3CH_2OH + 3O_2 \longrightarrow 2CO_2 + 3H_2 + Heat and Light$
  - B.  $CH_3CH_2OH + O_2 \longrightarrow 2CO_2 + 3H_2O + Heat and Light$
  - C.  $CH_3CH_2OH + 3O_2 \longrightarrow 2CO_2 + 3H_2O + Heat and Light$
  - D.  $CH_3CH_2OH + 3CO_2 \rightarrow 2O_2 + 3H_2O + Heat and Light$
- 62. Chlorine reacts with saturated hydrocarbons at room temperature in the
  - A. Absence of heat

B. Presence of light

C. Presence of acid

- D. Presence of base
- 63. The functional group present in the carbon compound \*\*



A. Aldehyde

B. Alcohol

C. Ketone

- D. Carboxylic acid
- 64. The molecular formula of benzene is \*\*
  - A. C<sub>5</sub> H<sub>12</sub>

B.  $C_6H_{12}$ 

C.  $C_6H_6$ 

- D. C<sub>6</sub> H<sub>10</sub>
- 65. The number of single bonds present in the structure of a cyclohexane molecule \*\*
  - A. 12

B. 18

C. 24

- D. 6
- 66. The correct group of saturated hydrocarbon \*\*
  - A. CH<sub>4</sub>, C<sub>2</sub>H<sub>4</sub>, C<sub>3</sub>H<sub>4</sub>

B.  $C_2H_6$ ,  $C_3H_8$ ,  $C_4H_{10}$ 

C. C<sub>2</sub>H<sub>2</sub>, C<sub>2</sub>H<sub>6</sub>, CH<sub>4</sub>

D. C<sub>2</sub>H<sub>2</sub>, C<sub>3</sub>H<sub>6</sub>, C<sub>4</sub>H<sub>6</sub>

- 67. The first member of alkene series is
  - A. Benzene

B. Propene

C. Ethene

D. Butene

68. Which of the following does not belong to the homologous series			ous series	
	A.	CH <sub>4</sub>	В.	C <sub>2</sub> H <sub>6</sub>
	C.	C₃H <sub>8</sub>	D.	C <sub>4</sub> H <sub>8</sub>
69.	The	ionic end of soap molecule reacts with		
	A.	Oil	В.	Water
	C.	Mud	D.	Colour
70.	The	minimum number of electrons required to form	triv	alent bond between two atoms
	A.	4	В.	8
	C.	2	D.	6
71.	Мо	lecular formula of methane		
	A.	CH <sub>4</sub>	В.	C <sub>2</sub> H <sub>6</sub>
	C.	C <sub>3</sub> H <sub>8</sub>	D.	C <sub>4</sub> H <sub>10</sub>
72.	Ger	neral formula of alkynes		
	A.	CnH2n+2	В.	CnH2n
	C.	CnH2n-2	D.	CnH2n-1
73.	Pro	perty of unsaturated hydrocarbons in the follow	ing	
	A.	Subjected to substitution reaction	В.	Subjected to adition reaction
	c.	Burn with smokeless flame	D.	Less reactive
74.	The	compounds having same molecular formula bu	t diff	ferent structural arrangements are called
	A.	Allotropes	В.	Nonmetals
	c.	Isomers	D.	Isotopes
75.	Elec	ctron dot structure of Hydrogen is		
	A.	н:н	В.	0:0
	c.	Н::Н	D.	0::0

### **Periodic classification of Elements**

76.	was recognized as a "Father of periodic table"						
	A. Newland	B. Dobereiner					
	C. Mendeleev	D. Moseley					
77.	In Newlands tableelements	s kept in the same place					
	A. Cobalt & Nickel	B. Copper & Nickel					
	C. Chromium & Nickel	D. Cobalt & Chromium					
78.	Which element can easily loose electrons						
	A. Sodium	B. Flourine					
	C. Magnesium	D. Aluminium					
79.	The element with atomic number 18 belo	ongs to					
	A. 2 <sup>nd</sup> Period, 8 <sup>th</sup> Group	B. 3 <sup>rd</sup> Period, 8 <sup>th</sup> Group					
	C. 2 <sup>nd</sup> Period, 18 <sup>th</sup> Group	D. 3 <sup>rd</sup> period, 18 <sup>th</sup> Group					
80.	If X element belongs to the 13 <sup>th</sup> group t	then its oxide formula is					
	A. XO	B. X <sub>2</sub> O <sub>3</sub>					
	C. X <sub>3</sub> O <sub>2</sub>	D. XO <sub>2</sub>					
81.	A, B, C, D, E elements belongs to 1, 2, 13, electronegative element	14, 16 groups. Which among these is most					
	A. A	B. D					
	С. В	D. E					
82.	In X element there are 2 shells, it reacts	s with magnesium and gives MgX compound. If so what is >					
	A. CI	В. В					
	C. S	D. O					
83.	In A, B, C elements atomic mass of A is 1	50, atomic mass of $$ B is 200, then atomic mass of $$ C is $$					
	A. 350	B. 250					
	C. 550	D. 275					

84.	Wh	ich of the following is a noble gas element		
	A.	Na	В.	Fe
	C.	Li	D.	Не
85.	Of t	the following pairs, the one containing example	of m	etalloid element in the periodic table is
	A.	Sodium & Potassium	В.	Flourine & Chlorine
	C.	Calcium & Magnessium	D.	Boran & Silicon
86.	Wh	ich of the following element has smallest size		
	A.	Carbon	В.	Magnesium
	C.	Oxygen	D.	Sulphur
87.	Me	ndeleevs Periodic table is based on		
	A.	Atomic weight	В.	Atomic Number
	C.	Number of Neutrons	D.	None of these
88.	Wh	ich of the following pairs have both the membe	ers fr	om the same period of the periodic table
	A.	Sodium-Calcium	В.	Sodium-Chlorine
	C.	Calcium –Chlorine	D.	Chlorine –Bromine
89.	Dok	pereiner's traid is		
	A.	Na, K, Rb	В.	Mg, S, As
	C.	Cl, Br, I	D.	P, S, As
90.	The	last member in each period of the periodic tabl	e is	
	A.	A noble gas element	В.	A transition element
	C.	A Halogen	D.	. An alkali metal
91.	Wh	ich one of the following combination represents	s a m	netallic element
	A.	2, 8, 7	В.	2, 8, 8
	C.	2, 8, 4	D.	2, 8, 2
92.	If th	ne valence shell of an atom of an element has 7 o	elect	rons, the element belongs to the group of _
	A.	Alkali metals	В.	Inert metals
	C.	Noble gasses	D.	. Halogens

93.	which of the following statement is correct	
	A. Sodium atom is larger in size than Potassium at	om
	B. Sodium atom is larger in size than Lithium atom	
	C. Chlorine atom is larger in size than sodium atom	1
	D. Aluminum atom is larger in size than sodium at	om
94.	The element with atomic number 36 belongs to	block in the periodic table.
	A. P	B. D
	C. S	D. F
95.	On going from right to left , in a period in the periodic	table, the metallic characters of the elements
	A. Increases	B. Decreases
	C. Remain unchanged	D. Decreases first then increases
96.	Which of the following properties remain unchanged	on descending a group in the periodic table
	A. Atomic size	B. Density
	C. Valence electrons	D. Metallic character
97.	The elements in the periodic table of A B C D ato	mic number is 3, 9, 4, 8. The elements of
	Metallic nature are	
	A. B and D	B. A and B
	C. A and C	D. B and C
98.	Which of the following gas does not have an eight el	ectrons in the outer shell
	A. Neon	B. Argon
	C. Radon	D. Helium
99.	Arrange the following elements Sodium, potassium, I	Magnesium, and Rubidium in the increasing
	order of the atomic radius	
	A. Mg < K < Na < Rb	B. Mg < Na < K < Rb
	C. Mg < Na< Rb < K	D. Na < K < Rb < Mg
100.	It was not possible to expand the periodic table after	Calcium element. This statement was given
	afterlaw	
	A. Newlands octet rule	B. Dobereiner triad rule
	C. Mendeleev law	D. Moselev law

#### **Life Processes**

101. The tissue that transports food among plants \*

A. Xylem

B. Epidermal

C. Phloem

D. Tracheid

102. Oxygen -rich blood flows from \*

A. Lungs -→Heart → Cells

B. Lungs -→Heart → Cells

C. Lungs → Cells → Heart

D. Heart → Cells → Lungs

103. Which of the following are techniques used by plants to get rid of waste materials. \*

1. Shedding leaves

2. In the form of resins and gums

2. Excreted into the surrounding soil

4. In cell vacuoles

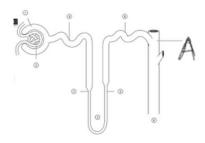
A. 1 and 2 only

B. 1,2 and 3 only

C. 1,3 and 4 only

D. 1, 2, 3 and 4

104. In this diagram of nephron name the part which is marked as "A" \*



A. Bowman's capsule

**B.** Glomerulus

C. Collecting duct

D. Capillaries

105. The process that helps in the absorption of upward movement of water and minerals dissolved in it from roots to the leaves in plants \*\*

A. Respiration

B. Transpiration

C. Photosynthesis

D. Translocation

106.	The	e correct pathway of oxygenated blood coming fro	m lu	ngs to the heart in the human body **
	A.	Pulmonary artery → Right Ventricle → Right	. Atri	ium
	В.	Pulmonary artery → Right Atrium → Right Ve	ntric	le
	C.	Pulmonary Vein → Left Ventricle → Left	Atriu	ım
	D.	Pulmonary Vein → Left Atrium → Left Ve	ntric	ile
107.	The	e blood leaving the tissues becomes rich in		
	A.	Hemoglobin	В.	Carbon dioxide
	C.	Water	D.	Oxygen
108.	On	e cell-thick vessels are called		
	A.	Arteries	В.	Veins
	C.	Capillaries	D.	Pulmonary artery
109.	A b	lood vessel which carries the blood from the hear	t to t	he entire body
	A.	Artery	В.	Capillary
	C.	Vein	D.	Hemoglobin
110.	Na	me a circulatory fluid in the human body other tha	an bl	ood
	A.	Platelets	В.	RBC
	C.	Plasma	D.	Lymph
111.	Cha	ambers present in the heart of birds and mammals	5	
	A.	2	В.	3
	C.	4	D.	5
112.	Vei	ns have		
	A.	Thick Wall without Valves	В.	Thick wall with Valves
	C.	Thin wall without Valves	D.	Thin wall with Valves
113.	The	Xylem in plants are responsible for		
	A.	Transport of water	В.	Transport of food
	C.	Transport of amino acids	D.	Transport of oxygen

	A.	Colourless and contains less protein	В.	Colourless and contains more protein
	C.	Red colour and contains less protein	D.	Red colour and contains more protein
115.	The	loss of water in the form of vapour from	n the aerial pa	rts of the plant is known as
	A.	Photosynthesis	В.	Transpiration
	c.	Translocation	D.	Transportation
116.	The	transport of soluble products of photos	synthesis is call	ed as
	A.	Photosynthesis	В.	Transpiration
	C.	Translocation	D.	Transportation
117.	Fun	ction of Blood		
	1. 7	Transportation of food	2. Transporta	ation of Oxygen
	3.	Urine Formation	4. Transporta	ition of Wastes
	A.	1 only	В.	1 and 2 only
	C.	1,2 and 3 only	D.	1,2 and 4 only
118.	The	e Kidneys in human beings are a part of	the system for	
	A.	Nutrition	В.	Respiration
	C.	Excretion	D.	Transportation
119.	Ver	na Cava from upper part and lower part	of the body ca	rry blood from
	A.	Heart to Body Cells	В.	Body Cells to Heart
	C.	Heart to Lungs	D.	Lungs to Heart
120.	In t	:his diagram of human heart name the រុ	parts showing	1 and 2
	A.	1→Right Atrium and 2→ Left Ventricl	۵	J. El Sing
	В.	1→Right Ventricle and 2→ Left Atriur		
	C.	1→Left Atrium and 2→ Right Ventricl		
	D.	1→Left Ventricle and 2→ Right Atriu	m	1

114. Lymph is

121.	The	unit helps in clotting of blood is		
	A.	RBC	В.	WBC
	C.	Platelets	D.	Plasma
122.	Whi	ch of the following has a three – chambered hea	rt	
	A.	Crow	В.	Lizard
	C.	Fish	D.	Tiger
		CHAPTER -	· 7	
		Control and Coor	din	ation
123.	The	pattern of response in the roots of plants is *		
	A.	Directional and negatively phototropic		
	В.	Positively phototrophic and negatively geotrop	ic	
	C.	Non directional and positively geotropic		
	D.	Growth dependent and positively hydrotropic		
124.	Nec	ck region of a person has bulged with less metabo	lic a	ctivity ,the gland responsible for such
	Pro	blem *		
	A.	Thyroid	В.	Adrenal
	C.	Pancreas	D.	Pituitary
125.	Iod	ized salt usage is to overcome this problem *		
	A.	Problem in Genitals	В.	Thyroid problem
	C.	Adrenal problem	D.	Pancreatic problem
126.	Vol	untary activities are controlled by this part of the	brai	in *
	A.	Hindbrain	В.	Hypothalamus
	C.	Cerebellum	D.	Spinal Chord
127.	Har	mone in highest proportion in Fruits and Seeds *		
	A.	Gibberellin	В.	Cytokinin
	C.	Auxin	D.	Absissic acid

128.	Plar	nt grows longer in the shade region because of thi	s ho	rmone *
	A.	Auxin	В.	Absissic acid
	C.	Gibberellin	D.	Cytokinin
129.	Invo	oluntary functions are controlled by *		
	A.	Cerebellum	В.	Cerebrum
	C.	Medulla	D.	Skull
130.	The	hormone increases blood flow ,heart beat and ma	akes	ready to the situation is *
	A.	Thyroxin	В.	Adrenaline
	C.	Oestrogen	D.	Insulin
131.	The	e hormone that regulates carbohydrate, protein ar	nd fa	t metabolism in the human body is **
	A.	Testosterone	В.	Adrenaline
	C.	Thyroxin	D.	Insulin
132.	The	e mismatched pair among the following is **		
	A.	Adrenaline-Pituitary gland	В.	Testosterone-Testis
	C.	Insulin-Pancreas	D.	Thyroxin –Thyroid gland
133.	The	e part of human brain responsible for precision of	volui	ntary actions and maintaining the posture
	and	d balance of the body **		
	A.	Pons	В.	Cerebrum
	C.	Hypothalamus	D.	Cerebellum
134.	The	e function of Hindbrain is		
	A.	Thinking	В.	Hunger
	C.	Sight	D.	Movement
135.	Par	t of the brain responsible for Thinking is		
	A.	Cerebrum	В.	Hypothalamus
	C.	Hind brain	D.	Medulla Oblongata
136.	Fur	nction of Hypothalamus is		
	A.	Sleep	В.	Hearing
	C.	Thinking	D.	Movement

137.	Par	t of the brain controls Breathing is		
	A.	Cerebrum	В.	Cerebellum
	C.	Pons	D.	Medulla Oblongata
138.	Par	ts of reflex arc in order is		
	A.	Receptor-Sensory neuron –Relay neuron-Motor	neu	ıron-Effector
	В.	Sensory neuron- Receptor- –Relay neuron-Moto	or ne	euron-Effector
	C.	Sensory neuron –Relay neuron-Motor neuron-E	ffec	tor- Receptor
	D.	Sensory neuron –Relay neuron- Receptor-Moto	r ne	uron-Effector
139.	Part	es of reflex arc shows the action is		
	A.	Receptor	В.	Sensory neuron
	C.	Relay neuron	D.	Effector
140.	Jun	ction between two nerves		
	A.	Axon	В.	Synapse
	C.	Dendrite	D.	Impulse
141.	Refl	ex action is controlled by		
	A.	Cerebrum	В.	Cerebellum
	C.	Pons	D.	Medulla Oblongata
142.	Fun	ctional unit of nervous system is		
	A.	Axon	В.	Nephron
	C.	Neuron	D.	Synapse
143.	Mov	vement of shoot tip of Hibiscus towards light is		
	A.	Phototropism	В.	Geotropism
	C.	Hydrotropism	D.	Chemotropism
144.	The	e process of growth of pollen tube towards ovum i	S	
	A.	Hydrotropism	В.	Chemotropism
	c.	Phototropism	D.	Geotropism

145.	45. Gigantism is occurred because of deficiency of this hormone			
	A.	Thyroid	В.	Adrenal
	C.	Thymus	D.	Pituitary
146.	Pit	uitary is stimulated to secrete hormones by		
	A.	Hypothalamus	В.	Cerebellum
	c.	Pons	D.	Medulla Oblongata
147.	One	e person is having slow recovery from wounds be	caus	e of more sugar level in blood,
	the	hormone responsible for this problem is secreted	d by	
	A.	Thyroid	В.	Adrenal
	C.	Pancreas	D.	Pituitary
148.	Peri	pheral nervous system has the following parts		
	A.	Cranial Nerves	В.	Spinal nerves
	C.	Brain and Spinal Cord	D.	Cranial and Spinal nerves
149.	Ma	ster gland of glandular system		
	A.	Adrenal	В.	Thyroid
	C.	Pituitary	D.	Parathyroid
150.	Sim	ultaneous reaction to a stimulus by the body is		
	A.	Reflex action	В.	Reflex arc
	C.	Action to the stimulus	D.	Stimulate
151.	Roo	t moves towards the soil on earth ,this movemen	t is k	nown as
	A.	Phototropism	В.	Geotropism
	C.	Hydrotropism	D.	Chemotropism
152.	Μον	vement of the plant not showing growth is		
	A.	Ridge Gourds Tendril growth		
	В.	Touch me not plant leaves drooping		
	C.	Arecanuttree growth towards sun		
	D.	Coconut tree Root growth towards soil		

153.	Hormone inhibits the growth of plant is			
	A.	Gibberellin	В.	Cytokinin
	C.	Auxin	D.	Absissic acid
154.	Hor	mone developing maleness at maturity is		
	A.	Testosterone	В.	Insulin
	C.	Progesterone	D	). Thyroxin
155.	Hor	mone developing femaleness at maturity is		
	A.	Adrenaline	В.	Thyroxin
	C.	Progesterone	D.	Testosterone
156.	Hor	mones secreted by Pancreas are		
	A.	Adrenaline –Thyroxin	B.	Adrenaline –Insulin
	C.	Insulin –Glucagon	D.	Thyroxine -Glucagon
157.	Rou	ite of Impulse movement through nerve is		
	A.	Dendrite-Axon –Cellbody-Nerve ending		
	В.	Axon –Cellbody-Nerve ending -Dendrite		
	C.	Axon –Dendrite-Cellbody-Nerve ending		
	D.	Dendrite- Cellbody-Axon –Nerve ending		
		CHAPTER -	8	
		How do Organisms F	Rep	oroduce?
158.	Rep	roductive cells contain only one copy of chromoso	ome:	s in it, because of that **
	A.	Hereditary traits are transferred to generation		
	В.	Keeps constant number of chromosomes in the	gen	eration
	c.	Makes changes in the hereditary traits in the ge	nera	ation
	D.	Transfers one copy of the chromosomes to the	gene	eration
159.	Thi	s part of the flower which develops into fruit is $^{**}$	:	
	A.	Ovule	В.	Ovary
	C.	Stigma	D.	Style

160.	The	organ that secrets the hormone which controls t	he B	ody changes in puberty in males is **
	A.	Prostate gland	В.	Scrotum
	C.	Seminal vesicle	D.	Testis
161.	Whi	ch structure among the following connects the fo	oetus	s to the mother's blood? **
	A.	Fallopian tube	В.	Uterus
	C.	Placenta	D.	Ovary
162.	The	part of the male reproductive system which prod	duces	s the liquid that nourish and helps in the
	mov	vement of the sperms is, **		
	A.	Testis	В.	Prostate gland
	C.	Ureter	D.	Bladder
163.	Egg	$A \longrightarrow Zygote \longrightarrow Embryo \longrightarrow Foetus$	In th	nis process A and B represents **
	A.	Fertilization and Division	В.	Division and Pollination
	C.	Fertilization and Pollination	D.	Division and Fertilization
164.	The	e process that does not happen if the egg is fertili	zed <sup>:</sup>	**
	A.	The embryo is implanted in the lining of the uto	erus	
	В.	Zygotestarts dividing		
	C.	Grows and develops organs to become foetus		
	D.	Menstruation cycle continues		
165.	Thi	s among the following is not a part of the female	repr	oductive system **
	A.	Ovary	В.	Uterus
	C.	Vas deferens	D.	Fallopian tube
166.	The	correct sequence found in the process of sexual	repro	oduction in the flower is *
	A.	Pollination, fertilization, embryo, seed		
	В.	Seed, embryo, fertilization, pollination		
	C.	Embryo, seed,pollination, fertilization		
	D.	Pollination, fertilization, seed, embryo		
167.	The	e part of the seed that grows and develops into ro	ot o	n germination is, *
	A.	Cotyledon	В.	Plumule
	C.	Radicle	D.	Seed coat

168.	Sex	ually transmitting disease caused by th	e bacteria amo	ng the following is, *
	A.	Syphilis and Warts	В.	Warts and Gonorrhea
	C.	Warts and AIDS	D.	Gonorrhea and Syphilis
169.	The	parts which included in the female par	t of the flower	
	1. I	Pistil 2. Pollen grain 3.	Ovary 4	. Style
	Α.	1,3 and 4 only	В.	1,2 and 3 only
	c.	1 and 4 only	D.	1,2,3 and 4 all
170.	If th	ne egg released from the ovary is not fe	rtilized, then	
	Α.	Implanted in the lining of the uterus		
	В.	Release of egg is stopped		
	C.	Menstruation is continued		
	D.	Develops into embryo		
171.	The	Best Contraceptive method that can p	revent sexually	transmitting Diseases
	Α.	Use of Copper T	В.	Contraceptive pills
	C.	Use of Condoms		Surgery method
				- ,
172.	This	of the following contraceptive method	can bring the l	normonal changes in the body
	A.	Contraceptive pills	В.	Use of Condoms
	C.	Use of Copper T	D.	Surgery method
173.	The	function of the ovary among the follow	ing is	
	1. P	roduction of eggs	2. Secretio	n of Oestrogen
	3.	Fransfer of fertilized egg into uterus	4. Helps ir	the development of foetus
	A.	1 and 2 only	В.	1 and 3 only
	C.	2 and 4 only	D.	3 and 4 only
174.	The	part that consists the male gametes in	the flower is	
	A.	Ovary	В.	Anther
	C.	Stigma	D.	Filament

175.	The body changes that is not takes place in the male during the puberty;			
	A.	Voices begin to crack		
	В.	Thick hair growth in armpits and genital area		
	C.	Begin to develop pimples in the face		
	D.	Growth of new teeth replacing milk teeth		
176.	The	e organ in female reproductive system which prepare	ares	s itself every month to receive and nurture
	the	growing embryo is,		
	A.	Ovary	В.	Uterus
	C.	Fallopian tube	D.	Vagina
177.	In h	numan males the testes lie in the scrotum outside	the	body because for the production of
	spe	erms		
	A.	Needs low temperature	В.	Needs more nutrition
	C.	Needs more temperature	D.	For more blood supply
178.	Thi	s plant among the following produces the flower h	navii	ng both stamen and pistil
	A.	Watermelon	В.	Mustard
	C.	Papaya	D.	Ash guard
179.	If th	ne pollen of one flower transfers to the stigma of t	he s	same flower then that process is referred as
	A.	Fertilization	В.	Cross pollination
	C.	Self-pollination	D.	Reproduction
180.	Ant	ther consists of the following structure		
	A.	Sepals	В.	Ovules
	C.	Stigma	D.	Pollen grains
181.	The	se among the following transmits by the sexual co	nta	cts
	A.	Hepatitis	В.	Filariasis
	C.	Typhoid	D.	Syphilis
182.	The	se among the following is not a changes that happ	en a	after fertilization in flower
	A.	Development of foetus from zygote		
	В.	Fertilized egg converts into seed		
	C.	Formation of Pollen tube		

D. Petal sepalstamen and stigma shrivel and fall off

# **Heredity and Evolution**

183.	Hav	ing two sets of genes in the germs cells is not poss	ible	" in order to, *
	A.	Sexual reproduction		
	В.	Ensure the stability of the DNA of the species		
	C.	Multiply the number of chromosomes		
	D.	Ensure instability of the DNA		
184.	Ger	netic drift and natural selection, together result in	the	formation of new species of organisms.
		e reason is, *		·
	Α.	Variations	D.	Survival
	C.	Similarities	υ.	Genes
185.	Stuc	lies of anatomical structures are helpful for tracing	g ev	olutionary relationships due to *
	A.	Similarities	В.	Variations
	C.	Similarities and Variations	D.	Anatomical structures
186.	The	factors that could determine" the birds are very c	lose	ly related to reptiles," *
	A.	Limbs	В.	Habitat
	c.	Food	D.	Feathers
187.	The	expressions of 'Tall' or 'Short' traits in plants con	troll	ed by the genes are due to *
	A.	Secretion of hormones	В.	Heredity
	C.	Nutrition	D.	Nature of Soil
188.		quired traits of an individual organism during its li	fe ti	me cannot direct the evolution" because
	A.	Can be inherited	В.	Cannot be inherited
	C.	Are different	D.	Are same

189.	"The	The traits of an organism independently inherit to the progeny"- Mendel's monohybrid cross		
	experiments was clarified by *			
	A.	Getting independently assorted plants with nev	v co	mbination
	В.	Comparing the progeny with the host plants		
	C.	Getting the ratio of 3:1		
	D.	Hybridizing two plants for a single traits		
190.	Ana	alogous organs have, **		
	A.	Same structure and same function		
	В.	Same structure and different functions.		
	C.	Different structures and same function.		
	D.	Different structures and different functions		
191.		e experiences of an individual during its life time or	canr	not be passed on to its progeny," because
			_	
		Inherited traits		Acquired traits
	C.	Dominant traits	D.	Recessive traits
192.	If a	round green seeded pea plant (RRyy) is crossed w	ith v	wrinkled yellow seeded pea plant (rrYY) the
	see	ds produced in F <sub>1</sub> generation are **		
	A.	Round and Green	В.	Wrinkled and Yellow
	C.	Wrinkled and Green	D.	Round and Yellow
193.	Hon	nologous organs have		
	A.	Same structure and same function		
	В.	Same structure and different functions.		
	C.	Different structures and same function.		
	D.	Different structures and different functions		
194.	The	copies of genes for the same trait and if the copie	s are	e not identical, the trait that gets
	expr	essed and the other one remains unexpressed ar	e ca	lled respectively,
	A.	Dominant and Recessive	В.	Recessive and Dominant
	C.	Dominant traits	D.	Recessive traits

195.	In human beings, the paternal chromosome determines the sex of the child in this way		
	A. X-Boy	B. Y-Girl	
	C. X-Girl	D. Y- Boy and Girl	
196.	Speciation may take place when variation is combine	d with	
	A. Natural selection	B. Geographical isolation	
	C. Genetic drift	D. Sexual reproduction	
197.	A Mendelian experiment consisted of breeding tall p plants bearing white flowers. The progeny will bore	-	
	short. This suggests that, the genetic make-up of the	e tall parent can be depicted as	
	A. TTWW	B. TTww	
	C. TtWW	D. TtWw	
198.	An example of homologous organs is		
	A. Our arm and a dog's fore-leg	B. Our teeth and elephant tusks	
	C. Wings of butterfly and wings of bat	D. A and B only	
199.	In evolutionary terms, we have more in common wit	h	
	A. A chinese school- boy	B. A chimpanzee	
	C. A spider	D. A bacterium	
200.	Accidents in small populations can change the freque without any adaptations	ency of some genes which provide diversity	
	A. Speciation	B. Natural selection	
	C. Genetic drift	D. Variations	
201.	In Mendel's experiments monohybrid ratio in F <sub>2</sub> prog	eny is	
	A. 3:1	B. 9:3:3:1	
	C. 2:1	D. 9:3:1	
202.	In Mendel's experiments di-hybrid ratio in F <sub>2</sub> progen	y is	
	A. 3:1	B. 9:3:3:1	
	C. 2:1	D. 9:3:1	

### **Light- Reflection and Refraction**

203. The suitable focal length of the convex lens used as magnifying lens to read "Hallmark 916" written on ornament is: \*

A. 12cm

B. 60cm

C. 100cm

D. 120cm

204. If the radius of curvature of a lens is 30cm, then its focal length will be \*

A. 60cm

B. 30cm

C. 15cm

D. 120cm

205. Refraction of light takes place, when the \*

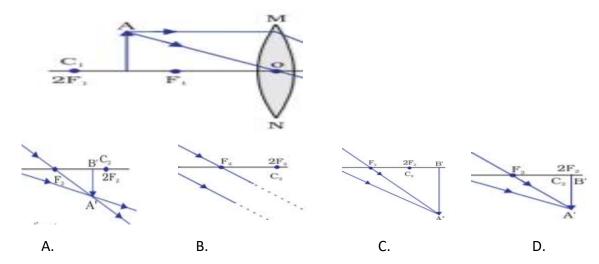
A. Angle of incidence is more than 90°

B. Angle of incidence is less than 90°

C. Angle of incidence is 0°

D. Mediums having same refractive index.

206. Complete the ray diagram using the correct option \*



207. The focal length of a convex lens is 100cm then its power will be \*

A. +1D

B. -1D

C. +0.01D

D. -0.01D

208. An object is kept at a distance of 30cm from a diverging lens of focal length 15cm, then the image distance and its magnification will be respectively \*

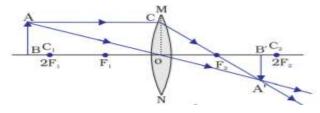
A. -10 cm and 3

B. +10cm and 3

C. +10 cm and 0.33

D. -10 cm and 0.33

- 209. Concave lens always produces \*
  - A. erect, diminished and real image
- B. inverted, diminished and real image
- C. erect, enlarged and virtual image
- D. erect, diminished and virtual image.
- 210. From the ray diagram given below identify the position and nature of the image \*



- A. Between F<sub>2</sub> and 2F<sub>2</sub>, virtual and inverted
- B. Between F<sub>2</sub>and 2F<sub>2</sub>, real and inverted.
- C. Beyond 2F<sub>2</sub>, real and inverted.
- D. Beyond 2F<sub>2</sub>, virtual and erect.
- 211. The refractive index of glass is 1.5 means, \*
  - A. The ratio of the speed of light in water and the speed of light in glass equal to 1.5.
  - B. The product of the speed of light in water and the speed of light in glass equal to 1.5.
  - C. The product of the speed of light in air and the speed of light in glass equal to 1.5.
  - D. The ratio of the speed of light in air and the speed of light in glass equal to 1.5.
- 212. A concave lens of focal length 15cm forms an image 10cm from the lens. The nature of the image is,\*
  - A. Real and erect

B. Virtual and erect

C. Virtual and inverted

- D. Real and inverted
- 213. A doctor prescribes a corrective lens of power -0.5D to a person. The focal length of the lens and type is \*\*
  - A. -2m and concave lens

B. +2 m and convex lens

C. +2m and concave lens

- D. -2m and convex lens
- 214. The nature and the size of the image formed when the object is kept between the principal focus  $F_1$  and optical centre  $F_1$  of a convex lens is \*\*
  - A. Virtual, erect and enlarged

B. Real, inverted and small size

C. Virtual, inverted and small size

D. Real, inverted and enlarged

215.	5. The diameter of the circular outline of a spherical lens is, **			**			
	A.	Optical centre	В.	Centre of curvature			
	C.	Aperture	D.	Principal axis			
216.	Ob	ject distance and image distance of a lens are - 60c	m a	nd -20cm respectively, then the			
	ma	gnification of the lens will be **					
	A.	-0.33	В.	+3.0			
	C.	+0.33	D.	+4.0			
217.	Wh	ich one of the following materials cannot be used t	o m	ake a lens?			
	A.	Water	В.	Glass			
	C.	Plastic	D.	Clay			
218.		nere should an object be placed in front of a convex ject	x ler	as to get a real image of the size of the			
	A.	At the principal focus of the lens					
	В.	At twice the focal length					
	C.	At infinity					
	D.	D. Between the optical centre of the lens and its principal focus					
219. Which of the following lenses would you prefer to use while reading small letters found in dictionary?			ile reading small letters found in a				
	A.	A convex lens of focal length 50cm					
	В.	A concave lens of focal length 50cm					
	C.	A convex lens of focal length 5cm					
	D.	A concave lens of focal length 5cm					
220.	The	e centre point of a lens is called as					
	A.	Optical centre	В.	Centre of curvature			
	C.	Focal point	D.	Aperture			
221.	A R	ay of light passing through a principal focus, after	refra	action from a convex lens will emerge			
	A.	Through the principal focus on the same side of	the	lens.			
	В.	Through the principal focus on the other side of	the	lens.			
	C.	Parallel to the principal axis.					
	D.	Without deviation.					

222.	1 d	liopter is a power of a lens whose focal length is		
	A.	1cm	В.	50cm
	C.	1m	D.	50m
223.	The	e positive sign in the value of magnification of a ler	ns sh	nows that the image is
	A.	erect and real	В.	erect and virtual
	C.	inverted and real	D.	inverted and virtual
224.	The	e lens formula is expressed as		
	A.	$\frac{1}{v} - \frac{1}{u} = \frac{1}{f}$	В.	$\frac{1}{u} - \frac{1}{v} = \frac{1}{f}$
	C.	$\frac{1}{v} + \frac{1}{u} = \frac{1}{f}$	D.	$\frac{1}{h} - \frac{1}{u} = \frac{1}{f}$
225.	Lig	ht rays from the sun light falling on a convex lens v	vill c	converge at a point on principal axis called
	A.	Radius of curvature	В.	Centre of curvature
	C.	Optic centre	D.	Principal focus
226.	Αh	nighly enlarged and real image is formed by a conve	ex le	ens when an object is placed
	A.	between F <sub>1</sub> and O	В.	at 2F <sub>1</sub>
	C.	at F <sub>1</sub>	D.	between F <sub>2</sub> and 2F <sub>2</sub>
227.	A F	Ray of light is travelling from a rarer medium to a d	ense	er medium. While entering the denser
	me	edium at the point of incidence, it		
	A.	Goes straight into the second medium	В.	Bends towards the normal
	C.	Bends away from the normal	D.	Does not enter at all
		CHAPTER -	12	
		Electricity	У	

B. Rheostat

D. Voltmeter

228. Advice used to change the resistance in an electric circuit is \*\*

A. Ammeter

C. Galvanometer

229.	The poten	he potential difference between the terminals of electric heater is 60V, when it draws a current of					
	4A from t	4A from the source.the resistance of electric heater coil is **					
	Α. 15Ω			В.	240Ω		
	C. 24Ω			D.	64Ω		
230.	The resist	ance of a conduct	or does NOT depend on *	*			
	A. Lengt	th of conductor		В.	Area of cross section of conductor		
	C. Magr	netic nature		D.	Nature of the material		
231.	'WATT' is	an SI unit of **					
	A. Elect	ric current		В.	Electric charge		
	C. Elect	ric potential differ	rence	D.	Electric power		
232.	Observe	the following table	2 **				
				1			
		Material	Resistivity(Ωm)				
		К	6.84X10 <sup>-8</sup>				
		L	1.62 X 10 <sup>-8</sup>				
		M	5.20 X 10 <sup>-8</sup>				
		N	2.63 X 10 <sup>-8</sup>				
	Good con	nductor of electrici	ty among these material is	5			
	A. K			В.	L		
	C. M			D.	N		
233.	S I Unit o	f electric charge is	*				
	A. Joule	!		В.	Volt		
	C. Could	omb		D.	Ampere		
234.	The oppo	osition to flow of e	lectric current is called	*			
	A. Volt			В.	Electric current		
	C. Resis	tance		D.	Ampere		
235.	The formula of joules law of heating is*						
	A. V=RI			В.	H=IRT		
	C. H=I <sup>2</sup> F	R <sup>2</sup> T		D.	H=I <sup>2</sup> RT		

236.	36. How much work is done in moving a charge of 2C across two points having a potential difference12V			wo points having a potential			
	A.	24 Joule	В.	6 Joule			
	C.	14 Joule	D.	10 Joule			
237.	•	Apiece of wire of resistance Ris cut in to five equal parts these parts are then connected in parallel if the equivalent resistance of this combination is R' then the ratio R/R' is-					
	A.	1/25	В.	1/5			
	C.	5	D.	25			
238.	Wh	nich of the following terms does not represent e	lectrica	I power in a circuit?			
	A.	I <sup>2</sup> R	В.	$\frac{VQ}{t}$			
	C.	VI	D.	$V^2R$			
239.	The	The correct way of using electrical appliances in domestic electric circuit is					
	A.	Connecting electrical appliances in series					
	В.	Using an electrical appliance of 880 W power	in 5A e	lectric circuit			
	C.	Connecting main fuse to electrical appliances	in para	llel			
	D.	Using an electrical appliance of 2 KW power	in 5A el	ectric circuit			
240.	Two	conducting wires of same material and of equa	ıl length	s and equal diameters are first			
	con	connected in series and then parallel in a circuit across the same potential difference. The ratio of					
	hea	heat produced in series and parallel combinations would be –					
	A.	1:2	В.	2:1			
	C.	1:4	D.	4:1			
241.	Tur	ngsten is used almost exclusively for filament of	electric	lamps because it has			
	A.	High resistivity and high melting point	В.	High resistivity and low melting point			
	c.	Low resistivity and high melting point	D.	Low resistivity and low melting point			
242.		e conductors of electric heating devices such as longer than a pure metal because It has		pasters and electric irons, made of an			
	A.	Less resistivity and less melting point	В.	High resistivity and low melting point			
	C.	High resistivity and high melting point	D.	Low resistivity and low melting point			

243.		pper and Aluminum wires usually employed fo uminum wires are having	r electrici	ty transmission because copper and				
	A.	Low resistivity and bad conductors of electr	ricity					
	В.	B. High resistivity and bad conductors of electricity						
	C.	High resistivity and good conductors of elec	tricity					
	D.	Low resistivity and good conductors of elec	tricity					
244.	8	_(•)						
	In	an electric circuit these symbols are represent	ts	_				
	A.	Ammeter, voltmeter, switch closed, switch of	open					
	В.	Voltmeter, ammeter, switch closed, switch of	open					
	C.	Switch open,ammeter,voltmeter,switch clo	sed					
	D.	Switch closed,ammeter, voltmeter,switch o	open					
245.	A continuous and closed path of an electric current is called							
	A.	Electric circuit	В.	Electric connection				
	C.	Electric power	D.	Electric distribution.				
246.	An	An electric bulb is connected to a 220 V generator. The current flowing in the bulb is 0.50A Then						
	the	power of the bulb is						
	A.	1100W	В.	44W				
	C.	110W	D.	100W				
247.	The amount of current will an electric heater coil draw from a 220 V source, if the resistance of the							
	heater coil is 100 ohm							
	A.	220A	В.	22 A				
	C.	2.2 A	D.	220V				
248.	Pre	Precautionary measures taken to prevent overload in a circuit is						
	A.	A. Many appliances are connected to a single socket						
	В.	Many appliances are connected to a different	nt socket	•				
	c.	Many appliances are not used at a time						
	D.	Both B and C are correct						

249.	The	work done to move a unit charge from one point	t to ot	her is
	A.	Electric current	В.	Potential difference
	C.	Electric power	D.	Electric resistance
250.	The	e resistance of a conductor is 27 ohm , if it is cut i	n to tl	nree equal parts and connected it in
	pai	rallel . Then the resultanrt resistance will be		_
	A.	1 ohm	В.	3 ohm
	C.	9 ohm	D.	12 ohm
251.	The	work done in moving a charge of 2C across two	point	s at potential difference 12V
	A.	24J	В.	6J
	C.	<b>14</b> J	D.	<b>10</b> J
252.	The	resistance of a uniform metallic conductor is		
	A.	Directly proportion to its length	В.	Inversely proportional to its length
	C.	Equal to its length	D.	Multiple of its length
253.	The	instrument used to maintain potential difference	e acro	ss the conductor is
	A.	Pencil	В.	Conductor
	C.	Battery	D.	Water
254.	Ins	trument used to measure electric current is		_
	A.	Resistor	В.	Ammeter
	C.	Voltmeter	D.	Water
255.	Inst	rument used to measure potential difference in a	an ele	ctric circuit is
	A.	Voltmeter	В.	Ammeter
	C.	Voltameter	D.	Rheostat
256.	In a	an electric circuit ammeter is connected in		_
	A.	Parallel	В.	Series
	C.	Both parallel and series	D.	Opposite direction

257.	In a	an electric circuit voltmeter is connected in		_
	A.	Parallel	В.	Series
	c.	Both parallel and series	D.	Opposite direction
258.	The	e benefits of connecting parallel series in an electric	cir	cuit is—
	A.	By dividing electric current total resistance beco	me	less a in circuit
	В.	By dividing electric current total resistance become	me	more in a circuit
	C.	If one appliance is not working then all other app	oliai	nces will not stop working
	D.	Option both A and C correct		
259.		current of 0.5A is drawn by a filament of an electr	ic b	ulb for 10 minutes ,then the amount of
	A.	50C	В.	5C
	C.	300C	D.	30C
260.	Fori	mula of ohms law		
	A.	V=IT	В.	H=IRT
	c.	V=RI	D.	H=I <sup>2</sup> RT
261.	SIu	ınit of resistivity –		
	A.	Ohm	В.	Watt
	c.	Ohm meter	D.	Ampere
262.	То	prolong the life of the filament of an electric bulb ,	the	gas filled in the bulb is
	A.	Oxygen	В.	Carbon dioxide
	c.	Hydrogen	D.	Nitrogen
		<b>4114 D==</b>		
		CHAPTER -	13	
		Magnetic Effects of El	ect	tric current
263.	The	e magnetic field lines inside a solenoid are in the fo	rm d	of a parallel Straight lines. The reason for
	this	s is the magnetic field inside the solenoid is: *		

B. Uniform

D. Produced by electricity.

A. Very high

C. Zero

264.	vvn	which of the following is not a property of magnetic lines?			
	A.	Magnetic field lines dense near polis			
	В.	Magnetic field lines are closed loops.			
	C.	Magnetic field lines intersect each other			
	D.	Magnetic field lines emerge from North Pole ar	nd me	erge at South Pole	
265	The	correct way of using electrical appliances in dom	ostic.	electric circuit is *	
205.		Connecting electrical appliances in series	Colic	ciccinc direate is	
		Using an electrical appliance off eat 880 W pow	or in	EA alactric circuit	
	C.	Connecting main fuse to electrical appliances in	-		
	D.	Using an electrical appliance of 2KW power in 5	oa eie	ectric circuit	
266.	A co	onvenient way of finding the direction of magnetic	c field	d associated with the current carrying	
	stra	ight conductor is given by *			
	A.	Right hand thumb rule	В.	Fleming's right hand rule	
	c.	Fleming's left hand roll	D.	Jules law	
267.	The	e working principle of an electric motor *			
	A.	A current carrying conductor when placed in a r	nagn	etic field experiences a force	
	В.	Electrochemical effect			
	C.	Electromagnetic effect			
	D.	Electromagnetic induction			
268.	In F	leming's left hand rule middle finger indicates the	dire	ction of the **	
	A.	Magnetic field	В.	Electric current induced in conductor	
	C.	Electric current	D.	Movement of the conductor	
269.	The	function of electric generator is,it **			
	A.	Reverses the direction of current			
	В.	Converts electric energy into mechanical energy	/		
	C.	Detects presence of electric current in the circu	it		
	D.	Converts mechanical energy into electrical ene	rgy		
270.	The	e principle on which an electric generator works	**		
	A.	Electrochemical effect	В.	Electromagnetic effect	
	C.	Electromagnetic Induction	D.	Electro heating effect	

271.	In f	araday's coil and magnet experiment when coil an	d ma	agnet are both stationary
	A.	Coil producers more electricity	В.	Coil produces electricity
	C.	Electricity continuously changes in the coil	D.	There is no flow of electricity in the coil.
272.	The	e device used to detect the flow of electric current	in fa	iraday's coil and magnet experiment
	A.	Voltameter	В.	Ammeter
	C.	Galvanometer	D.	Tester
273.	Wh	ich of the following correctly describes the magne	tic fi	eld near a long straight conductor?
	A.	The field consists of straight lines perpendicular	to t	he wire.
	В.	The field consists of straight lines parallel to the	wir	e.
	C.	The field consists of radial lines originating from	1 the	e wire.
	D.	The field consists of concentric circles centered	on t	he wire.
274.	The	e phenomenon of electromagnetic induction is		
	A.	The process of charging a body.		
	В.	The process of generating magnetic field due to	cur	rent passing through coil.
	C.	Producing induced current in a coil due to relati	ve n	notion between a magnet and the coil.
	D.	The process of rotating a coil of an electric motor	or	
275.	A d	evice that reverses the direction of flow of current	t thre	ough a circuit is called a
	A.	Split ring	В.	Commutator
	C.	Slip ring	D.	Brushes
276.	Du	ring short circuit current in the circuit		
	A.	Reduces substantially	В.	Does not change
	C.	Increases heavily	D.	Vary continuously
277.	Sta	te a false statement among the following		
	A.	An electric motor converts mechanical energy in	nto e	electrical energy
	В.	An electric motor converts electric energy into r	nech	nanical energy.
	C.	When current carrying conductor is placed in ma	agne	etic it experiences mechanical force
	D.	Electric motor is used in appliances like fan mix	er et	cc.
278.	The	e device used to get electrical energy from mechan	ical	energy
	A.	Dynamo	В.	Galvanometer
	C.	Ammeter	D.	Volta meter

279.	The	e frequency of alternating current produced in Ind	lia is	
	A.	100 Hertz	В.	220 Hertz
	c.	110 Hertz	D.	50 Hertz
280.	The	e safety device used to protect electrical appliance	es in	a domestic circuit during overloading of
	the	e circuits		
	A.	Fuse	В.	Volt meter
	c.	Ammeter	D.	Tester
281.	In I	ndia the potential difference between live wire an	d ne	utral wire is
	A.	220V	В.	100V
	C.	110V	D.	50V
282.	To §	get maximum mechanical force in an electric moto	or th	e angle between direction of current and
	the	e direction of magnetic field should be		
	A.	0 degree	В.	45 degree
	C.	90 degree	D.	180 degree
283.	In d	lomestic electric circuits the colour of live wire is		
	A.	Green	В.	Blue
	c.	Red	D.	Black
284.	The	e first scientist to show that the magnetic field can	crea	ate the flow of electric current
	A.	Ohm	В.	Michael Faraday
	c.	Oersted	D.	Isaac Newton
285.	Ma	ngnetic field has		
	A.	It doesn't have direction and magnitude		
	В.	It has no direction but magnitude is present		
	C.	It has both direction and magnitude		
	D.	It doesn't have direction and magnitude		
286.	In I	Fleming's right hand rule middle finger indicates tl	he di	rection of the
	A.	Magnetic field	В.	Electric current induced in conductor
	c.	Electric current	D.	Movement of the conductor

- 287. Which of the following property can change while it moves freely in a magnetic field?
  - A. Velocity

B. Momentum

C. Mass

- D. A&B
- 288. A rectangular coil of copper wires is rotated in a magnetic field. The direction of the induced Current changes once in each
  - A. Two revolutions

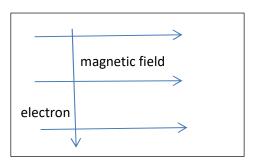
B. One revolution

C. Half revolution

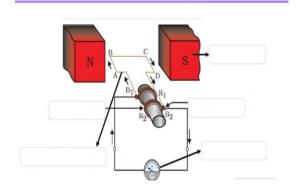
- D. One fourth revolution
- 289. An electrons enters a magnetic field at right angles to it as shown in the fig.

The direction of force acting on the Electron will be

- A. To the right
- B. To the left
- C. Out of the page
- D. Into the page

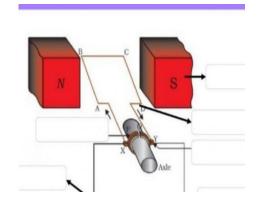


- 290. In this diagram R1, R2 and B1,B2 are respectively
  - A. Rings & brushes
  - B. Rings& magnetic poles
  - C. Brushes& magnetic poles
  - D. Brushes & rings



## Based on the given diagram answer question number 291 and 292

- 291. In the diagram name P, Q
  - A. Brushes
  - B. Split rings
  - C. Complete rings
  - D. Magnetic poles



	A. C.	Mixer Toy car	В. D.	Fan Washing machine
		CHAPTER -	14	
		Sources of Er	erg	SY
293.	In a	a Power station coal is burnt to heat water to prod	uce :	steam which further runs the turbine to
	Ge	nerate electricity. This power station is*		
	A.	Thermal Power Plant because coal is burnt		
	В.	Hydro power plant because water is heated		
	C.	Nuclear Power plant because turbine runs		
	D.	Bio gas power plant because coal is used		
294.	Ide	ntify the correct statement in relation to energy so	ource	es
	A.	Efficiency should be high	В.	Should produce high smoke
	C.	Should be easily available	D.	Should be rarely available
	A.	A&B	В.	A&C
	c.	B&D	D.	C&D
295.	Wh	ich of the following energy sources is affected by r	noor	n's gravity? *
	A.	Solar energy	В.	Fossil fuels
	C.	Tidal energy	D.	Biomass
296.	The	e energy possessed by huge waves needed to gene	erate	electricity is*
	A.	Solar energy	В.	Kinetic energy
	c.	Potential energy	D.	Heat energy
297.	Wh	ich of the following is not a fossil fuel? *		
	Α.	LPG	В.	Natural gas
		Biogas		CNG

292. The above device is used in

298.	A s	olar water heater cannot be used to get hot water	on _	*
	A.	A sunny day	В.	A cloudy day
	C.	A hot day	D.	A windy day
299.	Мо	st of the stored sources of energy we use represer	nt sto	ored solar energy. Which of the following
	is n	ot ultimately derived from the Sun's energy? *		
	A.	Geothermal energy	В.	Wind energy
	C.	Nuclear energy	D.	Biomass
300.	Hot	Springs are related to*		
	A.	Geothermal energy	В.	Nuclear energy
	c.	Tidal energy	D.	Wind energy
301.	Th	e common fuel used in Thermal power plant is		*
	A.	Methane	В.	Hydrogen
	c.	Coal	D.	Kerosene
302.	The	e oxides of carbon, nitrogen and sulphur that are re	eleas	ed on burning fossil fuels are
	A.	Basic oxides	В.	Amphoteric oxides
	C.	Acidic Oxides	D.	Neutral oxides
303.	Th	e vegetation which is submerged rots under anaer	obic	conditions and give rise to large amounts
	of	methane. This problem is associated with	-	
	A.	By constructing Thermal power plant		
	В.	By constructing Dams for Hydro Power Plants		
	c.	By constructing nuclear power plants		
	D.	While setting wind mills to harness wind energy	/	
304.	The	e power (electricity) produced by a typical solar cel	l whe	en exposed to the sun
	A.	1 watt	В.	0.5 watt
	c.	0.7 watt	D.	0.9 watt
305.	Th	e element used for making solar cells is		
	A.	Sulphur	В.	Phosphorous
	C.	Zirconium	D.	Silicon

306.	The	e voltage produced by a typical solar cell when exp	oseo	to the sun
	A.	1.5V – 2V	В.	2V- 2.5V
	C.	0.5V-1V	D.	1V-1.5V
307.	The	e best suited mirror to use in solar cooker is		
	Α.	Concave	В.	Convex
	c.	Plain	D.	Spherical
308.	Wł	nich one of the following is used as a rocket fuel _		*
		CNG	В.	Petrol
		Hydrogen		Natural Gas
	٠.	,u.ogen	٠.	
309.	The	e following is not used as a fuel in Nuclear reactor_		<u> </u>
	A.	Uranium	В.	Barium
	C.	Plutonium	D.	Thorium
310.	The	e Main component of bio gas is		
	A.	Propane	В.	Butane
	c.	Ethane	D.	Methane
311.	The	e minimum wind speed required to maintain the s	pee	d of the turbine of wind mill is
	A.	Above 10km/h	В.	Above 12 km/h
	C.	Above13 km/h	D.	Above 15 km/h
312.	The	e slurry left behind after the production of biogas is	s an e	excellent manure because
	A.	It is rich in Nitrogen & Phosphorous	В.	It is rich in Carbon & Sulphur
	c.	It is rich in Fluorine & Chlorine	D.	It is rich in Carbon & Oxygen
313.	Silv	er is used for interconnection of cells in the solar p	ane	because*
	A.	It is costly & Shining		
	В.	It is a good conductor of electricity and non rust	ing	
	C.	It is of low cost &non-rusting		
	D.	It is a bad conductor of electricity		

314.		e difference in the temperature of the water at the sea is exploited to obtain	surfa	ace of the sea and in the deeper sections
	A.	Geothermal energy	В.	Tidal energy
	C.	Ocean thermal energy	D.	Thermal energy
315.	The	principle of nuclear bomb is		
	A.	Uncontrolled Nuclear fission	В.	Controlled nuclear fission
	C.	Nuclear fusion	D.	Thermo nuclearfusion
316.	The	principle of solar cell is		
	A.	Light energy is converted to heat energy		
	В.	Heat energy is converted into light energy		
	C.	Light energy is converted into electricity		
	D.	Light energy is converted into Chemical energy		
317.	The	principle of solar cooker is		
	A.	Light energy is converted into Heat energy		
	В.	Heat energy is converted into Light energy.		
	C.	Heat energy is converted into Chemical energy		
	D.	Light energy is converted into Mechanical energy	/-	
318.	Αt	urbine cannot be rotated by*		
	A.	Flowing water	В.	Heat of sun
	C.	Steam	D.	Moving wind
319.	Ene	ergy produced in Nuclear power plant by*		
	A.	Controlled nuclear fission	В.	Uncontrolled nuclear fission
	C.	Nuclear fusion	D.	Thermo nuclear fission

## **CHAPTER - 15**

## **Our Environment**

320.		e correct statement with respect to bio-degradable bstances *	subs	tances among the following is, these
	A.	Remain inert in the environment for a long perio	d.	
	В.	Harms various organisms in the eco system		
	C.	Increase the density of harmful chemicals in diffe	erent	tropic levels.
	D.	Undergo recycling naturally in the environment.		
321.	Tw	o steps of formation of ozone layer *		
	A.	$0_2+0 \to 0_3$ , $0_2+0 \to 0_3$	В.	$0_2 \rightarrow 0+0, \ 0_2+0 \rightarrow 0_3$
	C.	$O_2+O_2 \longrightarrow O_3$ , $O_2+O \longrightarrow O_3$	D.	$0+0 \rightarrow 0_2, \ 0_2+0 \rightarrow 0_3$
322.	Th	e materials that change slowly their form and natu	re ar	e *
	A.	Used tea leaves	B.	Peels of vegetables
	C.	Waste papers	D.	Plant fibres
323.	Oz	one layer is formed from the oxygen at the higher l	evels	s of the atmosphere by the action of **
	A.	X rays	В.	Ultra violet rays
	C.	Infrared radiation	D.	Radio waves
324.	Mo	olecular formula of Ozone is		
	A.	0	В.	02
	C.	O <sub>3</sub>	D.	H <sub>2</sub> O
325.	Th	e chemical present in CFC which is responsible for o	declir	nation of ozone layer is
	A.	Chlorine	B.	Fluorine
	C.	Carbon	D.	Oxygen
326.	Bio	o-degradable substance among the following is		
	A.	DDT	В.	Agriculture waste
	c.	Plastic	D.	Glass

327.	Eco friendly fuel is		
	A. Petrol	В.	Kerosene
	C. Biogas	D.	LPG
328.	Reason for acid rain is		
	A. Deforestation	В.	Sulphur and Nitrogen oxide
	C. Fossil fuel	D.	Nuclear waste
329.	Best method to manage non-biodegradable waste is	5	
	A. Burning	В.	Dumping
	C. Burying	D.	Recycling
330.	The substance responsible for the depletion of ozon	e laye	r
	A. CFC	В.	CCF
	C. HDFC	D.	KFC
331.	Role of ozone for organism is		
	A. Supplying oxygen	В.	Pollution control
	C. Protection from UV rays	D.	Supply of carbon dioxide
	CHAPTER	- 16	
	Sustainable Management		atural Resources
222	Water be mosting in a weatherd which		
332	Water harvesting is a method which *  A. Increase ground water level	D	Not practiced in modern days
	<ul><li>A. Increase ground water level</li><li>C. Has no relation with the groundwater</li></ul>		Not practiced in modern days  Decrease groundwater level.
222	The practice of using used materials without changing		-
333.		_	<u> </u>
	A. Reuse	В.	Recycling Reduce
	C. Repurpose	υ.	Neduce
334.	Kulha is a type of *		
	A. Dam	В.	Lake

D. Well

C. Canal

335.	Flo	oods can be prevented by*		
	A.	Afforestation	В.	Removing of top soil
	C.	Deforestation	D.	Agriculture
336.	Со	liform is a		
	A.	Group of bacteria	В.	Group of virus
	C.	Group of fungi	D.	Group of protozoa
337.	The	e name given for replenishment of forest		
	A.	Afforestation	В.	Silviculture
	C.	Deforestation	D.	Siri culture.
338.	Kha	adins,Bundhis,Ahars and Katta's are ancient struct	ures	used for
	A.	Grain storage	В.	Wood storage
	C.	Water harvesting	D.	Soil Conservation
339.	Arb	pari forest of Bengal is dominated by		
	A.	Teak	В.	Sal
	C.	Bamboo	D.	Mangroves
340.	Teh	ri dam is built on the river		
	A.	Yamuna	B.	Ganga
	C.	Satlej	D.	Beas
341.	Foll	owing is a greenhouse gas		
	A.	Nitrogen oxide	В.	Sulphur dioxide
	C.	Carbon dioxide	D.	Carbon monoxide
342.	If yo	ou paint old chair to make a new, you are		-
	A.	Recycling	В.	Reusing
	C.	Recovering	D.	Reducing
343.	Amı	rutha Devi Bishnoi sacrifice her life to protect the _		
	A.	Palm Trees	В.	Khejri trees
	C.	Sal trees	D.	Teak wood trees

344.	The main causes for abundant colioform bacteria	a in the river Ganga is
	A. Disposal of human excreta directly	
	B. Discharge of effluents from electroplating	industries
	C. Agricultural wastes	
	D. Immersion of ashes	
345.	The Indira Gandhi canal has brought greenery to	considerable areas of
	A. Gujarat	B. Rajasthan
	C. Bihar	D. Madhya Pradesh
346.	The natural resources is defined as	<u> </u>
	A. Found on land	B. Man made substances
	C. Forest products	D. A gift of nature very useful to mankind
347.	The following community in Rajasthan has a reli wildlife  A. Munda  C. Bishal	
348.	Ground water will not be depleted due to	
	A. Afforestation	B. Thermal Power plants
	C. Loss of forest and decreased rain fall	D. Cropping of high water demanding crops
349.	Primary source of water is	
	A. Rivers	B. Ground water
	C. Lakes	D. Rain water
350.	The biodiversity hot spot is found in	
	A. Rivers	B. Forests
	C. Deserts	D. Oceans
351.	Canal system of Dams	
	A. Transfer large amounts of water over great	distance
	B. Appears good	
	C. Can decrease water pressure	
	D. Can connect other dams.	

## **ANSWER KEY**

2         A         35         B         68         D         101         C         134         D         3           3         C         36         D         69         B         102         A         135         A         3           4         B         37         B         70         D         103         D         136         A         3           5         D         38         B         71         A         104         C         137         C         3           6         A         39         B         72         C         105         B         138         A         3           7         D         40         D         73         B         106         D         139         D         3           8         B         41         C         74         C         107         B         140         B         3           9         D         42         A         75         A         108         C         141         D         3           10         B         43         C         76         C         109         A	Q.No Answer
3         C         36         D         69         B         102         A         135         A         3           4         B         37         B         70         D         103         D         136         A         3           5         D         38         B         71         A         104         C         137         C         3           6         A         39         B         72         C         105         B         138         A         3           7         D         40         D         73         B         106         D         139         D         3           8         B         41         C         74         C         107         B         140         B         3           9         D         42         A         75         A         108         C         141         D         3           10         B         43         C         76         C         109         A         142         C         3           11         C         44         A         77         A         110         D	166 A
4       B       37       B       70       D       103       D       136       A       3         5       D       38       B       71       A       104       C       137       C       3         6       A       39       B       72       C       105       B       138       A       3         7       D       40       D       73       B       106       D       139       D       3         8       B       41       C       74       C       107       B       140       B       3         9       D       42       A       75       A       108       C       141       D       3         10       B       43       C       76       C       109       A       142       C       3         11       C       44       A       77       A       110       D       143       A       3         12       A       45       C       78       A       111       C       144       B       3         13       B       46       B       79       D <td< td=""><td>167 C</td></td<>	167 C
5         D         38         B         71         A         104         C         137         C         3           6         A         39         B         72         C         105         B         138         A         3           7         D         40         D         73         B         106         D         139         D         3           8         B         41         C         74         C         107         B         140         B         3           9         D         42         A         75         A         108         C         141         D         3           10         B         43         C         76         C         109         A         142         C         3           11         C         44         A         77         A         110         D         143         A         3           12         A         45         C         78         A         111         C         144         B         3           13         B         46         B         79         D         112         D	168 D
6       A       39       B       72       C       105       B       138       A       3         7       D       40       D       73       B       106       D       139       D       3         8       B       41       C       74       C       107       B       140       B       3         9       D       42       A       75       A       108       C       141       D       3         10       B       43       C       76       C       109       A       142       C       3         11       C       44       A       77       A       110       D       143       A       3         12       A       45       C       78       A       111       C       144       B       3         13       B       46       B       79       D       112       D       145       D       3         14       A       47       C       80       B       113       A       146       A       3         15       A       48       A       81       D       <	169 A
7         D         40         D         73         B         106         D         139         D         3           8         B         41         C         74         C         107         B         140         B         3           9         D         42         A         75         A         108         C         141         D         3           10         B         43         C         76         C         109         A         142         C         3           11         C         44         A         77         A         110         D         143         A         3           12         A         45         C         78         A         111         C         144         B         3           13         B         46         B         79         D         112         D         145         D         3           14         A         47         C         80         B         113         A         146         A         3           15         A         48         A         81         D         114         A	170 C
8       B       41       C       74       C       107       B       140       B       3         9       D       42       A       75       A       108       C       141       D       3         10       B       43       C       76       C       109       A       142       C       3         11       C       44       A       77       A       110       D       143       A       3         12       A       45       C       78       A       111       C       144       B       3         13       B       46       B       79       D       112       D       145       D       3         14       A       47       C       80       B       113       A       146       A       3         15       A       48       A       81       D       114       A       147       C       3         16       B       49       D       82       D       115       B       148       D       3         17       A       50       B       83       B	171 C
9       D       42       A       75       A       108       C       141       D       3         10       B       43       C       76       C       109       A       142       C       3         11       C       44       A       77       A       110       D       143       A       3         12       A       45       C       78       A       111       C       144       B       3         13       B       46       B       79       D       112       D       145       D       3         14       A       47       C       80       B       113       A       146       A       3         15       A       48       A       81       D       114       A       147       C       3         16       B       49       D       82       D       115       B       148       D       3         17       A       50       B       83       B       116       C       149       C       3	172 A
10       B       43       C       76       C       109       A       142       C       3         11       C       44       A       77       A       110       D       143       A       3         12       A       45       C       78       A       111       C       144       B       3         13       B       46       B       79       D       112       D       145       D       3         14       A       47       C       80       B       113       A       146       A       3         15       A       48       A       81       D       114       A       147       C       3         16       B       49       D       82       D       115       B       148       D       3         17       A       50       B       83       B       116       C       149       C       3	173 A
11       C       44       A       77       A       110       D       143       A       3         12       A       45       C       78       A       111       C       144       B       3         13       B       46       B       79       D       112       D       145       D       3         14       A       47       C       80       B       113       A       146       A       3         15       A       48       A       81       D       114       A       147       C       3         16       B       49       D       82       D       115       B       148       D       3         17       A       50       B       83       B       116       C       149       C       3	174 B
12       A       45       C       78       A       111       C       144       B       3         13       B       46       B       79       D       112       D       145       D       3         14       A       47       C       80       B       113       A       146       A       3         15       A       48       A       81       D       114       A       147       C       3         16       B       49       D       82       D       115       B       148       D       3         17       A       50       B       83       B       116       C       149       C       3	175 D
13       B       46       B       79       D       112       D       145       D       3         14       A       47       C       80       B       113       A       146       A       3         15       A       48       A       81       D       114       A       147       C       3         16       B       49       D       82       D       115       B       148       D       3         17       A       50       B       83       B       116       C       149       C       3	176 B
14       A       47       C       80       B       113       A       146       A       3         15       A       48       A       81       D       114       A       147       C       3         16       B       49       D       82       D       115       B       148       D       3         17       A       50       B       83       B       116       C       149       C       3	177 A
15       A       48       A       81       D       114       A       147       C       3         16       B       49       D       82       D       115       B       148       D       3         17       A       50       B       83       B       116       C       149       C       3	178 B
16     B     49     D     82     D     115     B     148     D     3       17     A     50     B     83     B     116     C     149     C     3	179 C
17 A 50 B 83 B 116 C 149 C	180 D
	181 D
18 D 51 C 84 D 117 D 150 A	182 C
	183 B
19 A 52 B 85 D 118 C 151 B	184 A
20 B 53 D 86 C 119 B 152 B	185 C
21 C 54 C 87 A 120 A 153 D	186 D
22 B 55 A 88 B 121 C 154 A 3	187 A
23 A 56 D 89 C 122 B 155 C	188 B
24 D 57 D 90 A 123 D 156 C	189 A
25 A 58 D 91 D 124 A 157 B	190 C
26 C 59 A 92 D 125 B 158 B	191 B
27 D 60 C 93 B 126 C 159 B 1	192 D
28 B 61 C 94 A 127 B 160 D	193 B
29 C 62 B 95 A 128 A 161 C 1	194 A
30 B 63 D 96 C 129 C 162 B 1	195 C
31 D 64 C 97 C 130 B 163 A :	196 B
32 C 65 B 98 D 131 C 164 D 1	197 C
33 A 66 B 99 B 132 A 165 C :	198 D

Q.No	Answer										
199	А	234	С	269	D	304	С	339	В		
200	С	235	D	270	С	305	D	340	В		
201	Α	236	Α	271	D	306	С	341	С		
202	В	237	D	272	С	307	А	342	В		
203	А	238	D	273	D	308	С	343	В		
204	С	239	В	274	С	309	В	344	А		
205	В	240	D	275	В	310	D	345	В		
206	С	241	Α	276	С	311	D	346	D		
207	А	242	С	277	А	312	А	347	D		
208	D	243	D	278	А	313	В	348	А		
209	D	244	D	279	D	314	С	349	D		
210	В	245	А	280	А	315	А	350	В		
211	D	246	С	281	А	316	С	351	А		
212	В	247	С	282	С	317	А				
213	А	248	D	283	С	318	В				
214	А	249	В	284	В	319	А				
215	С	250	В	285	С	320	D				
216	С	251	А	286	В	321	В				
217	D	252	Α	287	D	322	D				
218	В	253	С	288	С	323	В				
219	С	254	В	289	D	324	С				
220	Α	255	А	290	А	325	А				
221	С	256	В	291	В	326	В				
222	С	257	А	292	С	327	С				
223	В	258	D	293	А	328	В				
224	А	259	С	294	A & C	329	D				
225	D	260	С	295	С	330	А				
226	С	261	С	296	В	331	С				
227	В	262	D	297	С	332	Α				
228	В	263	В	298	В	333	С				
229	А	264	С	299	С	334	В				
230	С	265	В	300	Α	335	Α				
231	D	266	А	301	С	336	Α				
232	В	267	Α	302	С	337	А				
233	С	268	С	303	В	338	С				