	SCI	HOOL-BA	ASED ASSE		Г (SBA) -	2025		
		END)-OF-YEAR	ASSESS	MENT			
	SUBJECT							
			GRA	DE-8				
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School Nam	le:	aper A: 48 Mark	(s, Paper B: 52 Mar	ks, lotal: 100 M	arks], IIme = 3	nours		
Student Name : Roll Numb			er :		Section :			
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. . .			OBJECTIVE	PART(MCQs)			
Question No.1	: Which two pro	cesses are respon	sible for releasing	Question No.2 :	Question No.2: The role of fossil fuels in global warm			
(a) Respiration and compustion				(a) absorb carbon dioxide		(d) release oxygen		
(b) Respiration and reproduction				(c) enne greenne	Juse gases	(d) reduce an po	Mution	
(c) Photosynth	esis and respiratio	on						
(d) Photosynth	nesis and combust	ion						
Question No.3 deal with envi	: Which of the for	ollowing solutions ems?	s can be adopted to	Question No.4 : signals betwee	Which organ se n the brain and t	erves as the main p he rest of the body	oathway for y?	
(a) Deforestatio	on	(b) Reducing p	ollution	(a) Heart	(b) Lungs	(c) Spinal Cord	(d) Stomach	
(c) Hunting of animals		(d) Burning of fossil fuels			_			
Question No.5	: Artistic abilitie	es belong to which	n part of the brain?	Question No.6 :	Which of the fo	llowing is an invol	untary action?	
(a) Thalamus		(b) Hypothalamus		(a) Breathing	(b) Speaking	(c) Writing	(d) Clapping	
(c) Right hemisphere		(d) Left hemisphere						
Question No.7	: Language and	scars on the skin	are examples of:	Question No.8 :	The function of	f the stem of the ca	actus plant is to:	
(a) genetic vari	iation	(b) environmental variation		(a) produce flower		(b) absorb sunlight		
(c) mutation		(d) adaptation		(c) store water		(d) support roots		
Question No.9	(b) Guanino	A structure, Thymine always pairs with		Question No.10 in the DNA dou	se pairs together			
(a) Adenine	(b) Guannie	(c) mynnie	(d) Cytosine	(a) Ionic bond		(b) Coordinate covalent bond		
				(c) Covalent bond		(d) Hydrogen bond		
Question No.11: Biotechnological techniques can be used to develope vaccines against:			Question No.12: Elements arranged in horizontal rows ar			l rows are called		
			(a) periods	(b) groups	(c) noble gases	(d) metals		
(a) common co	old (b) measles	(c) influenza	(d) tuberculosis			_		
Question No.13: Which metal is commonly used for electrical wiring due to its good conductivity?			Question No.14:What can be changed to balance a chemical equation?					
(a) Mercury	(b) Copper	(c) Sodium	(d) Silver	(a) Coefficient	(b) Subscript	(c) Symbol	(d) Formula	
Question No.1	5: Which of the	following reaction	ns indicates	Ouestion No.16	: The complete	transfer of electro	ons results in the	

Question No.15: Which of the following reactions indicates displacement reaction?

(a) $3H_2 + N_2 \rightarrow 2 NH_3$ (b) $2 KClO_3 \rightarrow 2KCl + 3O_2$ (c) $2CO + O_2 \rightarrow 2 CO_2$ (d) $Zn + CuSO_4 \rightarrow ZnSO_4 + Cu$

Question No.17: An example of an exothermic reaction is:

(a) Burning of fuel(b) Melting of ice(c) Freezing of water(d) Dissolving salt in water

Question No.19: Which of the following reactions is a neutralization reaction?

 $\begin{array}{ll} \mbox{(a) } Zn &+ H_2\,SO_4 &\rightarrow ZnSO_4 + H_2 \\ \mbox{(b) } 2\,NaOH &+ H_2\,SO_4 \rightarrow Na_2\,SO_4 + 2H_2O \\ \mbox{(c) } CaCO_3 + \ 2\,HCl &\rightarrow CaCl_2 + H_2O \ + CO_2 \\ \mbox{(d) } NaCl + H_2O \ \rightarrow NaOH + HCl \end{array}$

Question No.21: A ball rolling on the ground slows down and finally stops due to:

(a) inertia(b) friction(c) gravity(d) motionQuestion No.23 :In which medium, the speed of light is fastest?(a) Air(b) Water(c) Glass(d) Diamond

Question No.18: Tartaric acid is obtained from:

bond.

(b) metallic

formation of_

(a) covalent

(a) fats (b) tamarind	l (c) apples	(d) citrus fruits
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(c) ionic

(d) coordinate

Question No.20: Which expression is used to calculate the amount of pressure?

(a) $\mathrm{P}=\mathrm{F}/\mathrm{M}$ (b) $\mathrm{P}=\mathrm{M}/\mathrm{V}$ (c) $\mathrm{P}=\mathrm{A}/\mathrm{F}$ (d) $\mathrm{P}=\mathrm{F}/\mathrm{A}$

Question No.22 : Which of the following systems works on the
principle of hydraulic pressure?(a) Elevator(b) Car engine(c) Rocket(d) Cycle brake

Question No.24 three colours ar	:When a white l e formed first?	ight passes throu	ıgh a prism, which					
(a) Violet, green and blue		(b) Violet, yellov	v and blue					
(c) Red, orange and yellow		(d) Red, blue an	d yellow					
Question No.25 cannot be seen	: Due to which c in its original pla	haracteristic of li ce?	ght, fish in water					
(a) Reflection	(b) Refraction	(c) Dispersion	(d) Transmission					
Question No.26 electrical circui	:Which formula t?	is used to find re	sistance in an					
(a) Current/Voltage	(b) (Voltage/Current F	c) Resistance/Voltage	(d) e Current/Resistance					
Question No.27	: The greater po	wer is consumed	in:	Question No.28	: If a current of 1	0 Amperes flows	through a bulb of	
(a) fan	(b) bulb	(c) heater	(d) television	100 Volts. What will be the value of resistance?				
				(a) $0\cdot 1~\mathrm{Ohm}$	(b) 1 Ohm	(c) 10 Ohm	(d) 100 Ohm	
Question No.29: After the power supply stops suddenly, an				Question No.30: In a solar cooker, the sun rays are reflected by:				
inverter conver (a) alternating	ts direct current ((b) direct	i nto: (c) static	(d) mechanical	(a) concave lens	(b) convex lens	(c) concave mirror	(d) convex mirror	
Question No.31: Which of the following galaxies belongs to Earth?				Question No.32: The spacecrafts used for performing experiments				
(a) Condor	(b) Andromeda	(c) Milky Way	(d) Comet	in space are:				
				(a) space rockets	(b) space probes	(c) space shuttles	(d) space stations	

SUBJECTIVE PART(CRQs)

Question No: 33

a) Define nerve. (2 Marks)

b) Differentiate between cranial nerves and spinal nerves. (2+2=4 Marks)

c) Write the names of the labelled parts in the given image. (4 Marks)



Question No: 34

a) Define nucleotide. (2 Marks)

b) Explain Watson and Crick's model of DNA. (4 Marks)

c) How many types of nucleotides are there in DNA molecule? (4 Marks) Question No: 35

a) Write the types of covalent bonds present in the following molecules. (3 Marks) $O_2\,,\ H_2,\ N_2$

b) Why the total mass of reactants is always equal to the total mass of the products? Explain with an example. (4 Marks)

c) Explain the formation of sodium chloride with the help of chemical equation. (5 Marks) Question No: 36

a) What is meant by the transmission of light? (2 Marks)

b) Write any four characteristics of an image formed by a plane mirror. (4 Marks)

c) Write any four uses of spherical mirrors. (4 Marks) Question No: 37

a) What is a pulsar? (2 Marks)

b) Write any four precautionary measures for the survival of astronauts in space. (4 Marks)