	SC	HOOL-BA	ASED ASSI	ESSMEN	T (SBA) -	2025		
		END	OF-YEAR	ASSES	SMENT			
			SUBJECT	: SCIENCE	SCIENCE		FINAL TERM	
			GRA	DE-8				
	[P	Paper A: 48 Mark	s, Paper B: 52 Mai	ks, Total: 100	Marks], Time = 3	hours		
School Nam								
Student Name :			Roll Number :			_ Section :		
			OBJECTIVE	PART(MCQ	s)			
Question No.1:Which of the following elements are involved during photosynthesis?			Question No.2:Which human activity is a major cause of glo warming?					
(a) Carbon and nitrogen		(b) Nitrogen and oxygen		(a) Hunting of animals		(b) Deforestation		
(c) Carbon and	d oxygen	(d) Oxygen and nitrogen		(c) Planting trees		(d) Overpopulation		
Question No.3 into new prod		is used to convei	rt waste materials	Question No.4	4: Identify the par			
(a) Reduce	(b) Reuse	(c) Recycle	(d) Recover	(a) Pons	(b) Cerebellum	(c) Hypothalamus	(d) Medulla oblongata	
Question No.5: Right hemisphere of the cerebrum controls which				Question No.6: Muscles receive nerve impulses from				
of the following activity?			neurons.					
(a) Comprehensio	(b) Speech	(c) Writing	(d) Creativity	(a) inter	(b) intra	(c) sensory	(d) motor	
-	7: Variations help by increasing the	•	apt to their	-	8: What type of ad er in dry environmo	-	in plants to	
(a) chances of survival		(b) water availability		(a) Stomata		(b) Thick cuticle		
(c) food availability		(d) shelter availability		(c) Thin cuticle (d) Shallow roots			;	
	O: Which of the fourthe reprint the second secon		represents the	Question No.1 nitrogenous b	10:Which type of l bases of DNA?	bond is present be	tween	
(a) A – T, C – G		(b) A – C, T – G		(a) Hydrogen	(b) Ionic bond	(c) Metallic bond	(d) Covalent	
(c) A – G, T – C		(d) A – G, C – G		bond			bond	
-	•		enes of which crop	-	12: Elements arrai	•		
(a) Potato	he deficiency of i n (b) Canola	(c) Soyabean	(d) Wheat	(a) periods	(b) groups	(c) noble gases	(d) metals	
Question No.13 : Some metals can be changed into wires because metals are:			Question No.14 : Identify an unbalanced chemical equation. (a) $ m CH_4~+~2O_2 ightarrow 2H_2~+~CO_2$					
(a) hard	(b) lustrous	(c) ductile	(d) soft		$egin{array}{ccc} { m l}_2 & ightarrow { m NaCl}_2 \ { m l}_2 & ightarrow { m NaCl}_2 \end{array}$			
					\rightarrow CaO + CO ₂			
				(d) $\mathrm{C}~+~\mathrm{O}_2$	$\rightarrow \mathrm{CO}_2$			
Question No.15:Which of the following is an example of combustion?				Question No.16: The complete transfer of electrons results in the formation ofbond.				
(a) Rusting of iron		(b) Burning of wood		(a) covalent	(b) metallic	(c) ionic	(d) coordinate	

(a) Rusting of iron(b) Burning of wood(c) Melting of ice(d) Dissolving of sugar in water

Question No.17: A cold pack treats wounds, and a chemical

Question No.18: An acid that is found in vinegar is:

reaction causes it to feel cold. What type of reaction is this?			(a) Hydrochloric acid		(b) Acetic acid		
(a) Exothermic	(b) Endothermic	(c) Combination	(d) Displacement	(c) Sulphuric acid		(d) Nitric acid	
Question No.19	: What is the pH	range of strong a	cids?	Question No.20	: SI unit of pro	essure is:	
(a) $0-2$	(b) $4-6$	(c) $7-8$	(d) $9-10$	(a) m	(b) km	(c) mm	(d) ${ m Nm}^{-2}$
Question No.21	: The unit of ford	e is:		Question No.22	: When pressu	ure exerted on a sm	aller piston
(a) newton	(b) joule	(c) gram	(d) ampere	produces an equal pressure on a larger piston because of oil(liquid), this phenomenon is called:			
				(a) Air pressure	(b) Water pressure	(c) Hydraulic press	(d) Hydrostatic pressure
Question No.23: In which medium, the speed of light is fastest?				Question No.24	: When a whit	e light passes thro	ugh a prism, which
(a) Air	(b) Water	(c) Glass	(d) Diamond	three colours are formed first?			
				(a) Violet, green	and blue	(b) Violet, yello	w and blue
				(c) Red, orange and yellow		(d) Red, blue and yellow	

Question No.25: Which pher	nomenon causes a pencil to appear	Question No.26: Resistance is calculated mathematically as:					
bent in water?		(a) I=R/V	(b) V=I/R	(c) R=V/I	(d) R=I/V		
(a) Refraction (b) Diffraction	n (c) Reflection (d) Dispersion						
Question No.27:Which appl for its work?	iance uses the least amount of power	Question No.28: If a current of 10 Amperes flows through a bulb of 100 Volts. What will be the value of resistance?					
(a) Hair dryer	(b) Washing machine	(a) $0\cdot 1~\mathrm{Ohm}$	(b) 1 Ohm	(c) 10 Ohm	(d) 100 Ohm		
(c) LED light bulb	(d) Refrigerator						
Question No.29: Which part	Question No.30: In a solar cooker, the sun rays are reflected by:						
main power supply to DC inp	(a) concava long	(b) convoy long	(c) concave (d) convex mi mirror	(d) convoy mirror			
(a) AC/DC inverter	(b) RFI filter	(a) concave lens (b) convex lens		(d) convex minor			
(c) Transfer switch	(d) AC/DC rectifier						
Question No.31: The stars tl the Sun are called:	Question No.32: The scientific study of the space using especially developed technology is called:						
(a) black stars (b) red stars	(c) dwarf stars (d) massive stars	(a) space navigation (c) space probes		(b) space exploration (d) space technology			

SUBJECTIVE PART(CRQs)

Question No: 33

- a) What are nerve impulses? (2 Marks)
- b) What is medulla oblongata? Write any one function controlled by it. (2+1=3 Marks)
- c) Explain the role of sensory neurons, inter neurons, and motor neurons in the transmission of messages in the body. (5 Marks) Question No: 34
- a) How meiotic-I division is different from the meiotic-II division? (2 Marks)
- b) During cell division, what is the importance of interphase? (3 Marks)
- c) Explain the key steps that occur during mitosis. (5 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 reflection? (2 Marks)
- b) Write the characteristics of the image formed by a concave mirror, If: (2+2=4 Marks)
- i. the object is placed beyond the principal focus.
- ii. the object is very close to the concave mirror.
- c) Write any four uses of spherical mirrors. (4 Marks)

Question No: 37

- a) Write the names of any three tools used in space exploration. (3 Marks)
- b) Write four new technologies developed on the Earth as a result of space exploration. (4 Marks)