SCHOOL-BASED ASSESSMENT (SBA) - 2025

END-OF-YEAR ASSESSMENT

SUBJECT: SCIENCE GRADE-8

FINAL TERM

[Paper A: 48 Marks, Paper B: 52 Marks, Total: 100 Marks], Time = 3 hours

School Name	_	iper A: 46 Marks	s, Paper b: 52 Mar	KS, IOLAL: 100 M	arksj, rime – 3 r	iours		
Student Name :		Roll Number:			Section :			
			OBJECTIVE	•	•			
Question No.1: During which process, do plants absorb oxygen and release carbon dioxide?			absorb oxygen	Question No.2: The human activity which is mostly affected by climate is:				
(a) Respiration	(b) Transpiratio	n (c) Photosynthesis	(d) Reproduction	(a) fishing	(b) mining	(c) manufacturing	(d) farming	
Question No.3:	On which basis	ecological pyram	ids are formed?	Question No.4:	4: Which parts of the body act as effectors?			
(a) Number and weight		(b) Number and size		(a) Brain and spinal cord		(b) Muscles and glands		
(c) Shape and weight		(d) Shape and size		(c) Cell body and axon		(d) Spinal cord and glands		
Question No.5: Which part of the brain is involved in making a painting?				Question No.6: Which type of neurons is responsible for carrying messages from the brain to the muscles?				
(a) Pons		(b) Thalamus		(a) Motor	(b) Mixed	(c) Sensory	(d) Inter	
(c) Right hemisp	here	(d) Left hemisph	iere					
Question No.7 : environmental		owing changes is caused by		Question No.8: The function of th (a) produce flower		he stem of the cactus plant is to: (b) absorb sunlight		
(a) Height	(b) Language	(c) Blood type	(d) Eye colour	(c) store water		(d) support roots		
Ouestion No.9:	In DNA structur	e, Thymine alway	s pairs with:	Question No.10: Identify the bond that holds the two strands of				
(a) Adenine	(b) Guanine	(c) Thymine	(d) Cytosine	DNA together.	,,,			
				(a) Covalent bond	(b) Metallic bond	(c) Hydrogen bond	(d) Ionic bond	
Question No.11 develope vaccin	•	cal techniques ca	n be used to	Question No.12: How many elements are there in a short period of the periodic table?				
(a) common col	d (b) measles	(c) influenza	(d) tuberculosis	(a) 1	(b) 2	(c) 3	(d) 4	
Question No.13: Some metals can be changed into wires because metals are:				Question No.14: Which gas is produced during the following chemical reaction?				
(a) hard	(b) lustrous	(c) ductile	(d) soft	$\operatorname{Zn} + \operatorname{HCl} \rightarrow ?$				
				(a) $ m H_2$	(b) Cl_2	(c) HCl	(d) $ m ZnCl_2$	
displacement r	eaction?	ollowing reaction	s indicates	Question No.16: How many electrons are transferred from the sodium atom in the given reaction? $Na^++Cl^-\to NaCl$				
(a) $3\mathrm{H}_2 + \mathrm{N}_2$ – (b) $2\mathrm{KClO}_3$ $ ightarrow$	· ·			(a) 1	(b) 2	(c) 3	(d) 4	
(c) $2\text{CO} + \text{O}_2$	_			(4) _	(=) =	(-)	(=) =	
	$egin{aligned} ightarrow 2\mathrm{CO}_2 \ ightarrow 2\mathrm{TnSO}_4 + 0 \end{aligned}$	711						
	-		from the given	Question No. 19	: Tartaric acid is	obtained from:		
examples.	. Identity endot	nermic reactions from the given		(a) fats	(b) tamarind	(c) apples	(d) citrus fruits	
(a) Digestion of food		(b) Ignition of matchstick		(a) lats	(b) talliallid	(c) apples	(d) citius iruits	
(c) Burning of candle		(d) Cooking of an egg						
Question No.19	: What will be th	ne pH value of a so	olution containing	Question No.20	: The SI unit of p	ressure is:		
a higher concentration of hydrog		· ·		(a) watt	(b) joule	(c) pascal	(d) newton	
(a) $0-3$	(b) $5-7$	(c) $7-9$	(d) $12-14$			•		
Question No.21	: When an objec	t experiences a b	alanced force then	Question No.22	: When a paratro	oper jumps, air p	rovides an	
it:				opposing force equal to gravitational force then he falls with				
(a) accelerates		(b) decelerates		speed.	(1)	(-) :5	/ .IV	
(c) remains stationary (d) changes direction				(a) increasing		(c) non-uniform		
Ouestion No.23: In which medium, the speed of light is fastest?				Question No 24	· After scattering	from a prismilio	tht forms a hand	

of seven colors called:

(a) refraction

(b) reflection

(c) spectrum

(d) dispersion

(b) Water

(a) Air

(c) Glass

(d) Diamond

Question No.25: Which phenomenon causes a pencil to appear bent in water?											
(a) Refraction	(b) Diffraction	(c) Reflection	(d) Dispersion								
Question No.26	: Which formula	a is used to find re	sistance in an								
electrical circui											
(a) Current/Voltage	, ,	(c) Resistance/Voltage	(d) e Current/Resistance								
Question No.27	: The greater po	ower is consumed	in:	-			a circuit is 5 Ohm				
(a) fan	(b) bulb	(c) heater	(d) television	and the current passing through the circuit is 7 Ampere. The voltage of the circuit will be:							
				(a) $12 \mathrm{Volt}$	(b) $35 \operatorname{Volt}$	(c) $30 \mathrm{Volt}$	(d) $21 \mathrm{Volt}$				
•	-	UPS convert the A	-	Question No.30:	Concave mirro	r sunlight in	a solar cooker.				
		which is stored in	the battery?	(a) disperses	(b) converges	(c) absorbs	(d) reflects				
(a) AC/DC invert		(b) RFI filter									
(c) Transfer swit		(d) AC/DC rectifi		Ossadisa Na 22 s	Miletale terror of 6						
the Sun are call		are three or more	times bigger than	Question No.32:	wnich type of f	acility is used to s	send space craft?				
(a) black stars	(b) red stars	(c) dwarf stars	(d) massive stars	(a) Airports	(b) Seaport	(c) Launching Pads	(d) Helipads				
			SUBJECTIVE	PART(CRQs)							
Question No: 3	3										
a) Write the nar	nes of parts of th	ie hindbrain. (3 M	arks)								
b) Write any thi	ee functions of t	he hypothalamus	. (3 Marks)								
c) Explain the p Question No: 3	-	ıs system. (4 Mark	xs)								
a) What are nuc	leotides and hov	v many types of n	ucleotides are there	? (2+1=3 Marks)							
b) What is a gen	e and where is it	found? (3 Marks)									
c) Write any two Question No: 3		ween genetic and	environmental vari	ations. (2=2=4 Mar	ks)						
a) How does a c	ovalent bond for	med? (2 Marks)									
b) Write any tw	o differences bet	ween a double co	valent bond and a tr	iple covalent bond	d. (2+2=4 Marks)						
c) Draw the dot and cross structure of the following compounds. (2+2+2=6 Marks) $1.~{\rm H_2O},~2.~{\rm CH_4},~3.~{\rm HCl}$											
Question No: 3	6										
a) What is mear	nt by reflection? ((2 Marks)									
i. the object is p		e principal focus.	y a concave mirror,	lf: (2+2=4 Marks)							
c) Write any fou Question No: 3	-	al mirrors. (4 Mar	ks)								
a) What is a pul	sar? (2 Marks)										
b) Write any fou	ır precautionary	measures for the	survival of astronau	ts in space. (4 Mar	ks)						