

ONE-PAGE REVISION SUMMARY SHEET (ALL SUBJECTS)

MATHEMATICS

Concept	Formula / Rule
Roman Numerals	I=1, V=5, X=10, L=50, C=100, D=500, M=1000
Place Value	Ones, Tens, Hundreds, Thousands, Ten Thousands, Hundred Thousands
LCM	Smallest number divisible by all given numbers
HCF	Largest number that divides all given numbers
Ascending	Smallest to largest
Descending	Largest to smallest
Square	Number $\times$ itself
Square Root	$\sqrt{n}$ = number that multiplied by itself equals n
Perfect Square	1,4,9,16,25,36,49,64,81,100,121,144,169,196,225
Fraction to Decimal	Divide numerator by denominator
Decimal to Fraction	Write over place value, simplify
Percentage	(Part/Whole) $\times$ 100
Simple Interest	$I = (P \times R \times T)/100$
Profit %	(Profit/CP) $\times$ 100
Loss %	(Loss/CP) $\times$ 100
Ratio Simplification	Divide by HCF
Angle Types	Acute $<90^\circ$, Right $=90^\circ$, Obtuse $90-180^\circ$, Straight $=180^\circ$, Reflex $180-360^\circ$
Area (Rectangle)	Length $\times$ Width
Perimeter (Rectangle)	$2 \times (\text{Length} + \text{Width})$
Area (Square)	Side $\times$ Side
Perimeter (Square)	$4 \times \text{Side}$

ENGLISH

Concept	Rule / Example
Noun	Person, place, animal, thing (boy, Lagos, dog, table)
Pronoun	Replaces noun (he, she, it, they)
Verb	Action or state (run, jump, is, are)
Adjective	Describes noun (red, tall, beautiful)
Adverb	Describes verb (quickly, slowly, well)
Preposition	Position/time (in, on, at, under, for, since)
Conjunction	Joins words/phrases (and, but, or, because)
Tenses	Present (eats), Past (ate), Future (will eat)
Subject-Verb Agreement	Singular subject → singular verb (he runs). Neither/each/every → singular
Synonyms	Same meaning (big = large)
Antonyms	Opposite meaning (hot = cold)
Prefixes	un-, re-, dis-, mis-, pre- (unhappy, rewrite)
Suffixes	-ful, -less, -er, -tion (careful, teacher)
Punctuation	Capital letter + . ! ? " " ,
Simile	Comparison using "like" or "as" (as brave as a lion)
Metaphor	Direct comparison (He is a lion)
Personification	Human quality to non-human (The wind whispered)
Hyperbole	Exaggeration (I've told you a million times)
Comprehension	Read carefully, find literal and implied meanings

VERBAL REASONING

Pattern	Example
Analogies	Teacher : School :: Doctor : Hospital
Coding (A+1)	BOY → CPZ (each letter +1)
Coding (A-1)	BOY → ANX (each letter -1)
Coding (Reverse)	ABC → ZYX
Letter Sequences	A, C, E, G → +2 = I
Number Sequences	2,4,6,8 → +2 = 10
Anagrams	L I S M E → SMILE, SLIME, MILES
Odd One Out	Identify category difference

GENERAL SCIENCE

Topic	Key Fact
Living Things	Grow, reproduce, respire, move, excrete, feed, respond
Human Heart	Pumps blood
Human Brain	Control centre; cerebellum controls balance
Human Lungs	Breathing (oxygen in, CO ₂ out)
Human Kidneys	Filter waste → urine
Photosynthesis	CO ₂ + H ₂ O → Glucose + O ₂ (in leaves with chlorophyll)
Parts of Flower	Male = Stamen, Female = Pistil (ovary becomes fruit)
Vertebrates	Animals with backbone
Invertebrates	Animals without backbone (insects, worms)
Herbivores	Eat plants
Carnivores	Eat meat
Omnivores	Eat both
Mammals	Hair/fur, live birth, milk (whale, bat, human)
Birds	Feathers, wings, lay eggs, beaks
Reptiles	Scales, lay eggs, cold-blooded (snake, lizard, crocodile)
Amphibians	Live on land and water (frog, toad)
Fish	Gills, scales, live in water
States of Matter	Solid (fixed shape), Liquid (flows), Gas (fills container)
Melting	Solid → Liquid
Freezing	Liquid → Solid
Evaporation	Liquid → Gas
Condensation	Gas → Liquid
Sublimation	Solid → Gas
Deposition	Gas → Solid
Conductors	Metals (copper, iron, aluminium)
Insulators	Wood, rubber, plastic
Gravity	Pulls objects toward Earth
Friction	Opposes motion
Magnetism	Like poles repel, unlike poles attract
Earth Rotation	24 hours (day/night)
Earth Revolution	365 days (year/seasons)
Renewable Energy	Sun, wind, water, biomass
Non-renewable	Coal, oil, natural gas

Malaria	Mosquito
Cholera/Typhoid	Contaminated water/food
Measles/COVID-19	Airborne virus

CURRENT AFFAIRS

Topic	Key Fact
Current President	Bola Ahmed Tinubu (2023–present)
Current Vice President	Kashim Shettima
Current CBN Governor	Olayemi Cardoso
Currency	Naira (₦) = 100 kobo
Flag Colours	Green, White, Green
Green represents	Agriculture/natural wealth
White represents	Peace
Coat of Arms	Black shield (fertile soil), Y (Niger & Benue), Horses (dignity), Eagle (strength)
National Anthem	"Arise, O Compatriots" (adopted 1978)
National Pledge	"I pledge to Nigeria my country to be faithful..."
Independence	October 1, 1960 (from Britain)
Republic	October 1, 1963
Number of States	36 + FCT Abuja
Number of Local Govts	774
Senate	109 members
House of Representatives	360 members
Democracy Day	June 12 (formerly May 29)
Children's Day	May 27
Workers' Day	May 1
Armed Forces Remembrance	January 15
First Prime Minister	Tafawa Balewa
First President (Ceremonial)	Nnamdi Azikiwe (1963)
First Executive President	Shehu Shagari (1979)
First Military Head of State	Aguiyi-Ironsi (1966)
Sage of Africa	Obafemi Awolowo
Zik of Africa	Nnamdi Azikiwe
Father of Nationalism	Herbert Macaulay
Flag Designer	Michael Taiwo Akinkunmi
UN Secretary-General	António Guterres
US President	Joe Biden
UK Prime Minister (2025)	Keir Starmer
AU HQ	Addis Ababa, Ethiopia

ECOWAS HQ	Abuja, Nigeria
Commonwealth Head	British Monarch (King Charles III)
Longest River	River Niger
Highest Point	Chappal Waddi (Taraba)
Largest City	Lagos
Largest State (Area)	Niger
Smallest State (Area)	Lagos
