

# TAAND EXAMINATIONS BOARD

# PRE-PRIMARY LEAVING EXAMINATION, 2024 INTEGRATED SCIENCE (SPECIAL PAPER)

Time Allowed: 2 hours 15 minutes

Random Number					Personal Number		
	T						
	- 1						

Car	ndidate's Name:	<b></b>		
Car	odidate's Signature			
Sch	ools Name	<b></b>		
Dis	trict:			
Rea	d the following instructions carefully:			
ı,	This paper is made up of two Sections: A and B.	(*), **, *. *	KAMINE E ONLY	RS'
2.	Section A, has 40 short-answer questions (40 marks).	Qn. No.	Marks	Exrs' No.
3.	Section B has 15 questions (60 marks).	11 - 20		
4.	Answer ALL questions. All answers to both Sections A and B MUST be written in the spaces provided.	21 - 30 31 - 40		
5.	All answers MUST be written using a blue or black ball-point pen or ink. Diagrams should be drawn in pencil.	41 - 43		
6.	Unnecessary alteration of work may lead to loss of marks.	47 - 49		
7.	Any handwriting that cannot easily be read may lead to loss of marks.	50 - 52 53 - 55		
8.	Do not fill anything in the box indicated "For examiners' use only" and those inside the question paper.	TOTAL		

© Printed by UDA Kempala Tel: 0701 - 616 861 / 0772 - 834543

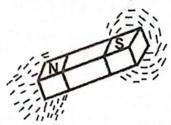
Turn Over



#### SECTION A: (40 Marks)

S	State the gas needed for photosynthesis to take place.				
İr	In which harmful way is a water snail similar to a housefly?				
-	low can you keep your skeletal system in a good working order?				
V	Vhy is petroleum known as a non renewable resource?				
	The diagram below shows a germinating bean seed. Use it to answer question 5.				
١	Name the type of germination shown above.				
V	Which part of a mushroom produces and stores spores?				
F	How can a family participate in the promotion of Primary Health Care?				
-	Sive one danger of draining wetlands.				
S	State the best way of improving local breeds of poultry.				
٧	Vhy do bees visit flowers?				
lr	n what way is the reproduction of birds similar to that of reptiles?				
F	low do people get infected with cholera?				
- -	Give the difference between the air we breathe in and the air we breathe out.				
0	Give one way farmers can control inbreeding in goat rearing.				
	2 TANNERS OF THE STATE OF THE S				

The diagram below shows an experiment carried out by P.7 pupils. Study it and answer question 15.



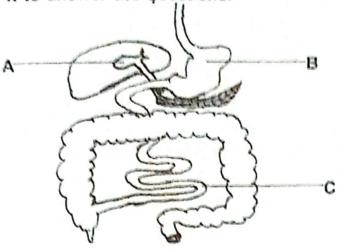
Identify the property of magnets shown in the diagram.
Why is zero grazing system of keeping cattle suitable in urban areas?
Write any one way you can care for cassava crops in the garden.
Suggest any one way saliva is useful during digestion.
A primary four pupil ate unwashed mango in the morning.
Identify any one disease he is likely to suffer from.
The diagram below shows a nutcracker. Study it and answer
questions 20 and 21.
Show with an arrow letter L the position of the load.
In which class of levers is a nutcracker?
How are airsacs (alveoli) adapted to their function of gaseous exchange?
Apart from meat production, why else do people keep goats?
The child's health card shows immunization information about a child
Mention any one information recorded on a child's card.
Which component of soil improves on its fertility?
Name the blood vessel which transports oxygenated blood from the
heart to all parts of the body.
3 TAAND P.7 SCIE PRE-PLE SPECIAL PAPER, 2024

21.	of what importance are ventilators on a living house?
28.	Identify the force which enables a bicycle to stop when the brakes are applied.
29.	You hear the school bell at the end of the lesson, what sense organ do you use to detect the sound of the school bell?
	The diagram below shows a clinical thermometer. Use it to answer questions 30 and 31.
	hubahaladadadadadadadadadadadadadadadadadad
30.	Name part marked S.
31.	State the function of part marked R on the clinical thermometer.
32.	How do animals make use of the gas given out by plants during photosynthesis?
33.	Which condition requires the use of tepid sponging as a way of giving first aid?
34.	Give one way of protecting water sources from pollution.
35.	What is the danger of using sharp objects to clean ears?
36.	Mention any one condition that may lead to short circuit at home.
37.	Give one way in which fungi are useful to human health.
38.	What energy change takes place in a dry cell when the circuit is complete?
39.	Name the disease of rabbits that can also affect human beings.
40.	Which type of energy is possessed by a passenger sitting in a moving car?
	4 TAAND P.7 SCIE PRE-PLE SPECIAL PAPER, 2024

## SECTION B: (60 Marks)

1.	(a)	To which group of birds does an ostrich belong?				
	(b) (i)	Apart from a vulture, give two other examples of scavenger birds				
	(ii)					
	(c)	How are hollow bones an important feature to most birds?				
2.	(a)	What is transplanting?				
	(b)	Identify any two activities done to care for seedlings in the nursery bed.				
	(i) (ii)					
	(c)	How are perennial crops different from annual crops?				
	(a) (i)	Give any two ways how banana fibre is resourceful to people				
	(ii) (b) (i)	Besides banana fibre, mention two other examples of plant fibres				
	(ii) (a) (i)	State two types of chicken kept at home.				
	(ii) (b)	Give two disadvantages of free range system in poultry keeping				
	(i) (ii) (a)	What is an echo?				
	(b)	State two uses of echoes to people.				
	(i) (ii)	** Augustus (Approximation) and approximation of the property of the contract				
	(c)	Mention one way of reducing echoes in cinema halls				
		TANNO P. TANNO P. TANNO P. T. BURGLAL BAPER, 1944				

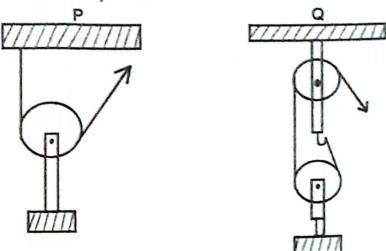
The diagram below is of a body system. Study it and use it to answer the questions.



	(a)	Name the body system shown in the diagram above.				
	(b)	State the importance of the digestive juice secreted by A				
	(c)	How is part C adapted to its function of food absorption?				
	(d)	Identify any one disease that can affect the body system above.				
47.	(a) <del>⊀</del>	What are inorganic fertilizers?				
	(b) (i)	Mention two disadvantages of using inorganic fertilizers.				
	(ii) (c)	Write one example of an organic fertilizer.				
48.	(a)	Apart from cockroaches, state two examples of insects that undergo incomplete metamorphosis.				
	(i) (ii)					
	(b)	Why are people encouraged to sleep under insecticide treated mosquito nets?				
	(c)	Give one way of controlling cockroaches at home.				
		6 TAAND R7 SCIE PRE-PLE SPECIAL PAPER, 2024				

49			(ne numan skin in hist A with the
		functions in list B	
		<u>List A</u>	List B
	(i)	Sebaceous glands	
	(ii)	Blood vessels	Keeps the skin water proof.
	(iii)	Nerve endings	Supplies food and removes excretory
			products.
	(iv)	Malpighian layer	Enables the skin to feel.
	(i)	Sebaceous glands	
	(ii)	Blood vessels	
	(iii)	Nerve endings	
	(iv)		
50.	(a)	Define the term first	aid.
	(b)	Identify the accident v	whose first aid is the giving a "Kiss of life".
	(5)	racinity the decident	Whose mot all is the grown
	(c)	Write two causes of	accidents at home.
	(i)		
	(ii)		
51.	(a)	Give the meaning of	the term volume.
	(b)	If an object is 270g and	has a volume of 30cc. Calculate its density.
	, ,	,	(3marks)
	(-)	DAME OF THE OWNER	
52.	(a)	What is adolescence	97
	(b)	State two secondary	sex characteristics in females.
	(i)		
	(ii)		
	(c)	Write one danger of	teenage pregnancy.
			Z CONTROL DE CONTROL PAPER 2024

The diagram below shows simple machines. Use them to answer question 53.



		1////
	(a)	Name machines marked:
	(i)	P
	(ii)	Q
	(b)	Which of the two machines is likely to take less effort when in use?
	(c)	Mention one machine that belongs to wheel and axle.
54.	(a)	What are vulnerable people?
	(b)	Give two examples of vulnerable people.
	(i)	
	(ii)	Apart from building their bodies and growth, why are vulnerable
	(c)	people given food rich in proteins?
55.	(a)	How is a sprain different from a strain?
	(b)	State the part of a joint that prevents the wear and tear.
	(c)	Write two uses of a skeleton in the body.
	(i)	
	(ii)	
		TAAND P.7 SCIE PRE-PLE SPECIAL PAPER, 2004

### TAAND P.7 SCIENCE PRE-P.L.E SPECIAL PAPER M.GUIDE, 2024.

IAA	NDP./ SCIENCE PRE-P.L.E	SPE	CIAL PAPER IVI.GUIDE, 2024.
	SECTION A	45.(a)	An echo is a reflected or bounced sound.
1.	Carbon dioxide. 2. Both spread diseases.	(b)	Echoes are used by sailors to determine the depth
3	By doing physical exercises regularly / By		of the sea / Pilots use echo soundings from hills
	keeping the body in the right pasture / feeding		and mountains to avoid accidents.
	on a balanced diet. 4. It is not replaced naturally.	(c)	By covering cinema halls with soft materials.
5	epigeal germination. 6. gills.	46.(a)	digestive system. (b) It emulsifies fats.
5. 7.	By feeding on a balanced diet / Collecting and	(c)	It has villi
		120	
	buying rubbish / Proper disposal of rubbish /	(d)	Diarrhoea / dysentery / choleral appendicitis /
	Boiling water for drinking / Encouraging		Peptic ulcers / Typhoid.
	immunization of family members / Clearing	47.(a)	Inorganic fertilizers are fertilizers which are
	breeding places for vectors near the home /		manufactured in factories with specific mineral salts.
	Sharing information on health / Practising good	(b)	They are expensive to buy / They require skilled
	hygiene / Sweeping and mopping houses / etc.	(-)	labour to apply / They make the soil acidic / They
8.	It leads to environmental degradation / global		stay in the soil for a shorter period / They kill some
J.	warming / reduced rainfall / flooding in case it rains.		useful soil living organisms / They are poisonous
0	By cross breeding them 10 To collect paster		to people and eximple / They collute water sources
9.	By cross breeding them. 10. To collect nectar.		to people and animals / They pollute water sources
11.	Both reproduce by laying eggs / Both undergo		/ They are easily leached by rain water / They
	internal fertilization.		spoil crops if used wrongly / Their excessive use
12.	When they eat contaminated food with cholera germs.		spoils soil / They destroy soil texture and structure.
13.	The air we breath in is oxygen while the air we	(c)	Farmyard manure / compost manure / green
	breathe out is carbon dioxide.	, ,	manure / organic mulches.
14.	By castrating male goats of closely related animals.	48.(a)	grasshoppers / crickets / locusts / fleas /
15.	Magnetism is concentrated in the ends / The	10.(4)	bedbugs / lice / preying mantis.
10.	attraction of a magnet is greater in its ends / (poles).	(b)	To protect themselves from malaria
16		(b)	By spraying them with insecticides / By covering
16.	It is because land in urban areas is limited / little.	(c)	
17.	By weeding / manuring / by protecting them	40.75	food.
	against pests and diseases.	49.(i)	Sebaceous glands - keep the skin water proof.
18.	It lubricates food. 19. diarrhoea/intestinal worms.	(ii)	Blood vessels - supply food and remove
20.	Ļ		excretory products.
		(iii)	Nerve endings - enable the skin to feel.
		(iv)	Malpighian layer - determines the skin colour.
		50.(a)	First aid is the first help given to a casualty
21.	second class levers.		before being taken to health worker / hospital.
22.	They provide a large surface area for the exchange	(b)	near drowning.
22.	of oxygen and carbon dioxide / They are	(c)	carelessness / running / rushing.
		51.(a)	Volume is the amount of space an object occupies.
22	surrounded by blood capillaries.	(b)	Density - Mass
23.	For milk production / mohair production / income.	(5)	Volume
24.	Child's age / name / date of birth / parents' names		D = M
	/weight/Birth order/vaccines received and date		$\mathcal{L} = \frac{\mathbf{W}}{V}$
	/ immunization schedule / sex of the child /		D = 270 = 0a/ac
-	parents' occupation. 25. humus. 26. aorta.		$D = \frac{270}{20} = 9g/cc$
27.	They let out warm used air.		3 <del>0</del>
28.	friction. 29. ear. 30. bore.	52.(a)	Adolescence is a transitional stage between
31.	prevents the back flow of mercury.		childhood and adulthood.
37.	They use it for respiration. 33. fever.	(b)	Growth of hair under the arm pits / sweat glands
32.	Avoid dumping wastes near water sources.		become more active / hair around the vagina
34.	They may damage the eardring		(pubic hair) / enlargement and rounding of hips
35.	They may damage the eardrum.		/development of hips.
36.	Overloading / poor wiring.	(c)	The body is not ready for pregnancy / leads to
37.	Some fungi are eaten as food / Some are used	(0)	suffering / leads to school drop out.
	as medicine / Some are source of income.	53 (2)(i)	P - Single movable pulley.
38.	Chemical energy changes to electric energy.		O - The block and takle / Fived mounts - "
39.	Pneumonia / colds. 40. Potential energy.	( <u>ii</u> )	Q - The block and takle / Fixed movable pulley.
	SECTION B	(b) (c)	Machine Q.
41.(a)	flightless hirds (b) crow / marabou storks.	(c)	egg beater / door knob / car steering wheel /
	Boredom / Lack of enough feeds / over crowding.		windlass / handles of a bicycle.
(b)	They enable them to tiv.	54.(a)	Vulnerable people are people who need
(c)	Transplanting is the transfer of seedlings from		special care.
42.(a)	the nursery bed to the main garden.	(b)	Babies / The sick / the disabled / pregnant women
	the nuisely bed to the main galactic		/ breastreeding mothers / orphans / weaping
(p)	weeding / manuring / watering / spraying with	2	children / the elderly.
	pesticides / providing shed to the seedlings / fencing.	(c)	For repairing worn out body tissues.
(c)	Derennial crons are crops which take a period of	(0)	A sprain is an injury on a ligament with
	more than a year to mature write allitudicions and	00.(4)	A sprain is an injury on a ligament while a strain
	crops which mature in a period of less train a year.		is all injury on a muscle.
43.(a)	It is used for making balls / mals / thatching	(0)	cartilage.
15.(5)	temporary houses / making ropes / for mulching.	(c)	It supports the body / gives the body shape /
(b)	raffia / jute / sisal.		allows body movement / protects delicate body
(b)	broilers / lavers / dual purpose.		parts.
44.(a)	birds feed on a balanced diet / birds do enough		
(b)	exercises / The farmer has time to do other work		***
	/ Birds look for food on their own / It is cheap.		**END**
1	A RILOS 100K 101 1000 OIL THEIL OMILL IF IS SHEAD.		