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Sixteenth May Nineteen Eighty Six

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University

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"ADVANCED RESEARCH METHODOLOGY" from 21st

November to 05th December 2023 from Ramanujan

College, University of Delhi

Essential Human Body Parts

		SAROJ KUN	MAR PUJI	HARI						
	1. Choose the stato-acoust		13. What is the second vertebra of human vertebral column called?							
	a) Eye									
	c) Ear	d) Tongue	a) Coo			b) Axis				
			c) Atla	S		d) Sac	ral			
		cretes hydrochloric acid but it is not	14. Miliah of the following is the cost of color forward and							
	burnt, identify it from the	14. Which of the following is the unit of urine formation? a) Neuron b) Urinary bladder								
	a) Small Intestine	b) Stomach	-,					er		
	c) Large intestine	d) Oesophagus	c) Uret	rer		d) Nep	onron			
	3. What provides nutrition	to developing spermatozoa?	15. The	study of	which orga	n is refe	rred to as	osteology	2	
	a) Sertoli Cells	b) Interstitial Cells	a) Bon		William O. Br	b) Kidı		озссолову	•	
	c) Germ Cells	d) All of these	c) Bloc			d) Brai				
	-,	-,	,			,				
	4. Find the tissue origination	ng from all three germ layers:	16. W	hich regi	ion of hu	man na	sal cham	ber is li	ned with	
	a) Connective Tissue	b) Epithelial Tissue		derian me						
	c) Muscular tissue	d) Nervous Tissue	,	tibular reg			ctory regi	on		
			c) Resp	piratory re	gion	d) Filte	er region			
	,	ral hemisphere is also called:	4							
	a) Neopallium	b) Neuropallium			eparates th					
	c) Nervopallium	d) None of these		ominalse	ptum		racic sept	um		
	6. A band connecting must	da ta bana is salladı	c) Diap	onragm		d) Rib	5			
A .	a) Ligament	b) Cartilage	18 Ido	ntify the :	area of sha	m coloui	vision in	human ev	101	
	c) Connector	d) Tendon		our spot	ilea or sila		en Spot	ilulilali ey	c.	
	c) connector	d) Telldoll	c) Red				ow spot			
Z	7. Name the funnel at the	free proximal end of fallopian tube:	٠, ٠.٠٠٠			-,				
	a) Infundibulum	b) Isthmus	19. Wh	ich organ	secretes in	sulin ho	mone?			
	c) Ampulla	d) Fimbriae	a) Pan	creas		b) Sto	mach			
			c) Plac	enta		d) Pitu	itary glan	d		
-		ood vessel carrying blood away from								
	heart?				rine gland					
	a) Vein	b) Capillary		roid gland			athyroid g			
	c) Artery	d) All of the above	c) Adre	enal gland		d) Pitu	iitary glan	d		
	O Adam's apple in the m	eck of humans corresponds to which	21 145	ich nort t	om nom rile	ctoror ti	o facces			
	part?		i ich part t i idenum	emporarily	b) App					
	a) Thyroid gland	b) Pharynx	c) Ileui			d) Rec				
	c) Trachea	d) Larynx	c,ca			۵,				
1	.,	22. Where do seminiferous tubules occur?								
	10. Pace maker is associate	ed with which organ?	a) Ova	ry		b) Test	is			
	a) Lungs	b) Heart	c) Sem	inal vesicl	e	d) Nor	e of these	е		
	c) Stomach	d) Brain								
1	23. Find the blood bank of human body from the following?									
	11. The development of	-,	a) Liver b) Bone marrow							
	organ?		c) Sple	en		d) Thy	mus			
	a) Uterus	b) Ovary	ANSW	ERS:						
	c) Fallopian tube	d) Placenta	1. c	2.b	3.a	4.b	5.a	6.d	7.a	
	12 Locamation is the -ift	of which of the following collect	8.c	9.d	10.b	11.a	12.c	13.b	14.d	
	a) Hepatic Cells	of which of the following cells? b) Gastric Cells	15.a	16.b	17.c	18.d	19.a	20.c	21.d	
	c) Muscle Cells	d) Nerve Cells	22.b	23.c						
	ey masere cens	a, nerve cens								
7										

Contributed by Saroj Kumar Pujhari, Jr Lecturer in Zoology (OES-II), Govt College Sundargarh, Sundargarh, Odisha

SCIENCE REPORTER, JANUARY 2015

WORD SEARCH - HUMAN BONES

Find the names of 25 human bones from the grid given below in any possible direction — horizontally, vertically, diagonally or even backward.

L	S	Е	Н	U	M	Е	R	U	S	U	M	1	0	Р	S
С	R	A	N	1	U	М	N	С	s	U	L	K	0	Н	D
М	F	L	s	U	М	1	Е	0	R	z	I	Т	Н	В	R
A	w	U	N	L	A	х	С	С	U	S	s	A	0	L	A
N	Е	В	U	N	Х	F	Α	С	М	Т	С	R	Y	A	D
D	L	I	L	A	I	S	Y	Y	Е	Е	Н	S	I	I	1
I	С	F	В	М	L	A	Q	Х	F	R	I	A	С	В	U
В	I	Е	М	I	L	L	U	Т	S	N	U	L	A	I	S
L	v	K	S	U	A	0	D	K	P	U	M	J	L	Т	A
Е	Α	Z	P	P	I	R	U	Е	Х	M	Н	K	L	v	U
D	L	A	R	z	A	L	W	N	A	S	A	L	Е	N	Y
s	С	A	U	F	L	s	I	В	U	P	S	A	Т	В	М
S	С	P	P	J	v	I	K	Н	Y	0	I	D	Α	М	I
Е	R	Н	G	1	Т	F	х	N	Α	L	A	Н	P	L	S

Contributed by Saroj Kumar Pujhari, Jr. Lect. in Zoology, Govt. Jr. College, Sundargarh, At/Po/Dist – Sundargarh, Odisha–770002; Email: sarojoes1232@gmail.com

ONE WORD SUBSTITUTION

- 1. Study of fingerprints for the purpose of identification ____
- Science of dealing with the production control and the effects of very low temperatures ______
- 3. Science of the nature, origin and history of the universe
- Science that deals with the origin, physical and cultural development of mankind
- Chemistry in ancient times _____
- Study or collection of coins
- 7. The therapeutic use of sunlight _____
- 8. Disinfect or purify with the fumes of certain chemicals

Contributed by Sonam Choudhary, Research Intern, Science Reporter, CSIR-NISCAIR, New Delhi

Solutions to the puzzles published in the August 2017 issue

PRIZE PUZZLE: RAHUL'S BIRDHOUSE

The birdhouse will be at the same height since trees grow at their tops.

MATCH 'N' LATCH



LOGO MANIA

- 1. Digital India
- 2. Discovery Channel
- Petroleum Conservation Research Association (PCRA)
- 4. International Yoga Day
- Bharat Interface for Money (BHIM)
 App.
- United Nations Environment Programme (UNEP)

The prize winners on the basis of draw of lots from among the correct entries are:

- Arnav Rajesh, Venu Bhavan (D-12), Akshara Nagar, Perunna PO (East), Changanacherry, Kottayam, Kerala-686102
- Adyasha Pattanaik, C/o Annada Prasad Pattanaik, Gahhadia Colony, Post Buxi Bazar, Cuttack, Odisha-753001
- Simranjeet Singh, Vill. Pandher, Tibri Road, Gurdaspur, Punjab-143501

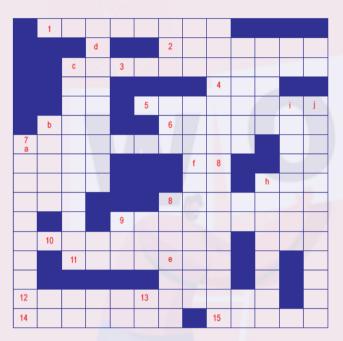
Congratulations all the winners!

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GUESS THE UNIQUE ANIMALS



CLUES

From Left to Right

- Fathers carry eggs on back till hatching
- Fathers carry eggs in mouth till hatching and even some young stages
- Growls at enemy by teeth in stomach
- Rotates neck up to 270° & its group is called a parliament
- 5. Fish able to live out of water for about a year
- 6. The only venomous primate
- Its horn is made of hair
- 8. Its teeth never stop growing and enamel is made of iron
- Not human but members call each other by names
- Fish able to live in all types of water fresh, saline, freezing and warm
- 11. Only animal having four noses
- Their fingerprints are indistinguishable from that of humans
- 13. Animal having world's thickest fur
- 14. A bird whose eyeballs are bigger than its brain
- 15. An animal that can't vomit, it has to vomit entire stomach out

From Top to Down

- Animal whose eyes turn blue in winter to help in dim
- Fish that can detect blood in the water from 3 miles away and can identify a small drop of blood in a 25-gallon bucket of water
- c. First animal known to survive in space
- d. This bird can eat only when its head is upside down
- e. The only flying mammal
- f. It cannot jump and its pregnancy period is up to 2 years
- g. Males carry eggs in brood pouch till hatching, only pregnant male animal
- Father keeps eggs warm and safe on his feet, standing without feeding for about 2 months till hatching
- Small animals that adopt orphans, can leap 10 times their body length and twist their ankles about 180° to change direction while climbing
- Animal that squirts blood from its eye on feeling threatened by predators

Contributed by Saroj Kumar Pujhari, Lecturer in Zoology, Govt College, Sundargarh, Odisha-770001.
Email: lotusmaa 1232@gmail.com

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TEST YOUR KNOWLEDGE

Know Your Body

Saroj Kumar Pujhari

- Identify the only part of your body not having the power of self-regeneration.
 - a. Heart
 - b. Teeth
 - c. Brain
 - d. Tongue
- 2. All the blood vessels of an average human body connected end to end can make how many circles around the earth?
 - a. Tw
 - b. Four
 - c. Six
 - d. Seven
- 3. Which part is unique to humans or found only in human beings?
 - a. Molar teeth
 - b. Eardrum
 - c. Chi
 - d. Four chambered heart
- We have this vital part in a pair but only one is necessary to live comfortably.
 - a. Lungs
 - b. Kidneys
 - c. Testes/Ovary
 - d. All of these
- 5. The sound cracking your fingers, toes or other joints is due to which of these actions?
 - a. Friction between joint bones
 - b. Friction between articular cartilages
 - c. Compression of synovial fluid
 - d. Bursting of air bubbles in joints
- 6. Find your body part with its own pulse.
 - a. Heart
 - b. Lungsc. Thumbs
 - d. Brain
- d. Brain
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- 7. Name your part that is similar in structure to Elephant's trunk and Octopus's tentacle.
 - a. Nose
 - b. Diaphragm
 - c. Abdominal muscles
 - d. Tongue
- 8. The genotype of all human beings is identical to what percentage or more?
 - a. 80
 - b. 89
 - c. 90
 - d. 99
- 9. Identify the only body part without blood supply and getting oxygen directly from the air.
 - a. Nose
 - b. Lungs
 - c. Cornea
 - d. Lips
- 10. How long can your brain can survive without oxygen?
 - a. 2 to 8 minutes
 - b. 8 to 10 minutes
 - c. 10 to 15 minutes
 - d. More than 15 minutes
- 11. Which part of the body starts eating itself on extreme starvation?
 - a. Brain
 - b. Heart
 - c. Stomach
 - d. Small intestine
- 12. What happens to your heartbeat when you listen to music with concentration?
 - a. Remain unaffected
 - b. Synchronized with the rhythm of the music
 - c. Tend to increase
 - d. Tend to fluctuate irregularly

- 13. Which of the following living parts never stop growing in a lifetime?
 - a. Eye and Nose
 - b. Eye and Ear
 - c. Nose and Ear
 - d. Ear and tongue
- 14. A human eye is about how many megapixels, in terms of digital cameras?
 - a. 400
 - b. 472
 - c. 576
 - d. 922
- 15. It is difficult to swallow and breathe simultaneously. A neonate can do it for up to what age?

 - b. Seven months
 - c. Nine months
 - d. One year
- 16. Which of these is true with respect to the beating of the average male and female human hearts?
 - a. Both beat at the same rate
 - b. Male heart beats faster
 - c. Female heart beats faster
 - d. It is unpredictable
- 17. About what percentage of our body heat is lost only from the head?
 - a. 20 %
 - b. 40 %
 - c. 60 %
 - d. 80 %
- 18. Identify the character not found in humans only.
 - a. Feeling of blush
 - b. Sleeping on back
 - c. Drawing a straight line
 - d. Fingerprints
- 19. In relation to the need and effect of water loss in your body, which of the following is true?
 - a. Feeling of thirst by loss of 1%
 - b. Fainting on the loss of more than 5%c. Death on the loss of more than 10%

 - d. All of these

- 20. Find the smallest cell in the human male body.
 - a. Rod cells of the retina
 - b. Sperm
 - c. Leydig cells of testes
 - d. Cells on the roots of body hairs
- 21. Identify the only body part that does not grow in size from your birth to death.
 - a. Eye
 - b. Brain
 - c. Heart
 - d. Liver
- 22. Up to which minimum age human babies do not shed a tear?
 - a. Fifteen days
 - b. One month
 - c. Three months
 - d. Six months
- 23. In how many years a human skeleton completely renews itself?
 - a. 5 years
 - b. 8 years
 - c. 10 years
 - d. 14 years
- 24. How many muscles are present in your fingers?
 - a. Nil
 - b. 48
 - c. 109
 - d. More than 150
- 25. Which of the following parts first develops in a human embryo?
 - a. Mouth
 - b. Heart

17.d 18.d

19.d

- c. Lungs d. Anus
- Answers 1.b 2.b 4.d 5.d 6.c 7.d 8.d 11.a 12.b 13.c 14.c 15.b 16.c 9.c 10.b

Contributed by Saroj Kumar Pujhari, Lecturer in Zoology, Govt College, Sundargarh, Po/DistSundargarh, Odisha-770002. Email: sarojoes1232@gmail.Com

20.b 21.a 22.b

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23.c 24.a

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