

Name : **Saroj Kumar Pujhari**

Father Name : **Muralidhar Pujhari**

Mother Name : **Nalini Prava Pujhari**

Date of Birth : **16/05/1986,**
Sixteenth May Nineteen Eighty Six

Educational qualification : **M. Sc. Zoology**
specialization : **Fishery**

Designation : **Assistant Professor – I, OES – I**

Date of Joining : **06/09/2011,**
Sixth September Two Thousand Eleven

Proficiency in Papers : **Animal physiology, Immunology, Cell Biology, Evolution**

Other experience : **IGNOU Counsellor**

Now perusing : **Ph. D. in Zoology from Suresh Gyan Vihar University,**
Rajasthan

My Publications : **4 topics in 4 issues of**
“The Science Reporter by CSIR Publication”
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Orientation Programme : **35th Orientation Programme from 31st January 2018 to 27th**
completed **February 2018 from UGC-HRDC & RCCB, Sambalpur**
University

Refresher Course : **Online Two weeks Interdisciplinary Refresher Course in**
“ADVANCED RESEARCH METHODOLOGY” from 21st
November to 05th December 2023 from Ramanujan
College, University of Delhi

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	E	H	U	M	E	R	U	S	U	M	I	O	P	S
C	R	A	N	I	U	M	N	C	S	U	L	K	O	H	D
M	F	L	S	U	M	I	E	O	R	Z	I	T	H	B	R
A	W	U	N	L	A	X	C	C	U	S	S	A	O	L	A
N	E	B	U	N	X	F	A	C	M	T	C	R	Y	A	D
D	L	I	L	A	I	S	Y	Y	E	E	H	S	I	I	I
I	C	F	B	M	L	A	Q	X	F	R	I	A	C	B	U
B	I	E	M	I	L	L	U	T	S	N	U	L	A	I	S
L	V	K	S	U	A	O	D	K	P	U	M	J	L	T	A
E	A	Z	P	P	I	R	U	E	X	M	H	K	L	V	U
D	L	A	R	Z	A	L	W	N	A	S	A	L	E	N	Y
S	C	A	U	F	L	S	I	B	U	P	S	A	T	B	M
S	C	P	P	J	V	I	K	H	Y	O	I	D	A	M	I
E	R	H	G	I	T	F	X	N	A	L	A	H	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 _____
2. 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 _____
4. Science that deals with the origin, physical and cultural development of mankind _____
5. Chemistry in ancient times _____
6. 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

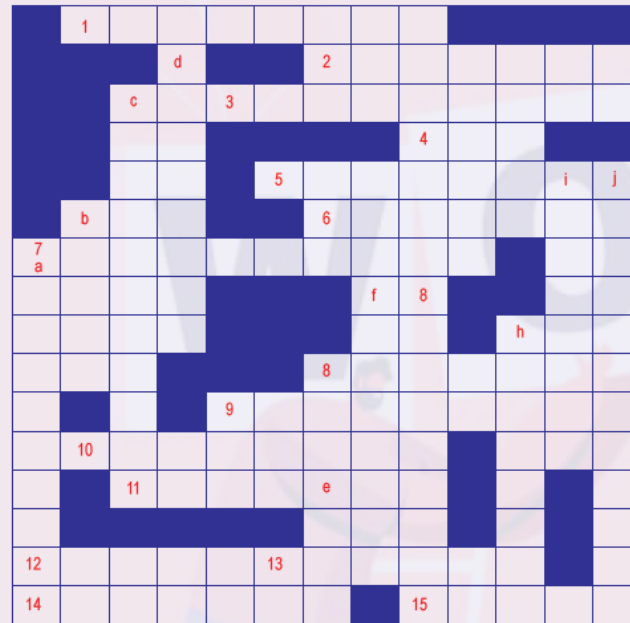
1. Digital India
2. Discovery Channel
3. Petroleum Conservation Research Association (PCRA)
4. International Yoga Day
5. Bharat Interface for Money (BHIM) App
6. United Nations Environment Programme (UNEP)

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!

GUESS THE UNIQUE ANIMALS



CLUES

From Left to Right

1. Fathers carry eggs on back till hatching
2. Fathers carry eggs in mouth till hatching and even some young stages
3. Growsl at enemy by teeth in stomach
4. 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
7. Its horn is made of hair
8. Its teeth never stop growing and enamel is made of iron
9. Not human but members call each other by names
10. Fish able to live in all types of water – fresh, saline, freezing and warm
11. Only animal having four noses
12. 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

- a. Animal whose eyes turn blue in winter to help in dim light vision
- b. 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
- h. Father keeps eggs warm and safe on his feet, standing without feeding for about 2 months till hatching
- i. Small animals that adopt orphans, can leap 10 times their body length and twist their ankles about 180° to change direction while climbing
- j. 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: lotusmaa1232@gmail.com

TEST YOUR KNOWLEDGE

Know Your Body

Saroj Kumar Pujhari

1. 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. Two
 - 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. Chin
 - d. Four chambered heart
4. 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. Lungs
 - c. Thumbs
 - d. Brain
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 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?
- Eye and Nose
 - Eye and Ear
 - Nose and Ear
 - Ear and tongue
14. A human eye is about how many megapixels, in terms of digital cameras?
- 400
 - 472
 - 576
 - 922
15. It is difficult to swallow and breathe simultaneously. A neonate can do it for up to what age?
- Five months
 - Seven months
 - Nine months
 - One year
16. Which of these is true with respect to the beating of the average male and female human hearts?
- Both beat at the same rate
 - Male heart beats faster
 - Female heart beats faster
 - It is unpredictable
17. About what percentage of our body heat is lost only from the head?
- 20 %
 - 40 %
 - 60 %
 - 80 %
18. Identify the character not found in humans only.
- Feeling of blush
 - Sleeping on back
 - Drawing a straight line
 - Fingerprints
19. In relation to the need and effect of water loss in your body, which of the following is true?
- Feeling of thirst by loss of 1%
 - Fainting on the loss of more than 5%
 - Death on the loss of more than 10%
 - All of these
20. Find the smallest cell in the human male body.
- Rod cells of the retina
 - Sperm
 - Leydig cells of testes
 - Cells on the roots of body hairs
21. Identify the only body part that does not grow in size from your birth to death.
- Eye
 - Brain
 - Heart
 - Liver
22. Up to which minimum age human babies do not shed a tear?
- Fifteen days
 - One month
 - Three months
 - Six months
23. In how many years a human skeleton completely renews itself?
- 5 years
 - 8 years
 - 10 years
 - 14 years
24. How many muscles are present in your fingers?
- Nil
 - 48
 - 109
 - More than 150
25. Which of the following parts first develops in a human embryo?
- Mouth
 - Heart
 - Lungs
 - Anus

Answers

1.b	2.b	3.c	4.d	5.d	6.c	7.d	8.d
9.c	10.b	11.a	12.b	13.c	14.c	15.b	16.c
17.d	18.d	19.d	20.b	21.a	22.b	23.c	24.a

Contributed by Saroj Kumar Pujhari, Lecturer in Zoology, Govt College, Sundargarh, Po/Dist Sundargarh, Odisha-770002. Email: sarjoes1232@gmail.Com

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UGC SPONSORED ORIENTATION PROGRAMME

This is to certify that

Sri/ Ms./ Dr. *Saroj Kumar Pujhari*.....

Lecturer/ Jr. Lecturer/ Reader/ Assistant Prof./ Associate Prof. in

Zoology..... of *Govt. College, Sundargarh*

.....
(COLLEGE/UNIVERSITY/INSTITUTION)

participated in the **35th Orientation Programme** from
31st January, 2018 to 27th February, 2018 and Obtained
Grade...*A*.....

[Signature]
Director

[Signature]
Course Co-ordinator

[Signature]
Vice-Chancellor

Orientation Programme from UGC-HRDC, RCCB, Sambalpur University

