There are three prizes of Rs 500/- each for three correct entries. In case of a large number of correct entries, the prize winners will be selected through a draw of lots. The decision of the Editor, Science Reporter will be final.

Send your entries to:
Puzzle Corner
Editor, Science Reporter
CSIR-NISCAIR
Dr KS Krishnan Marg,
Pusa Campus
New Delhi-110012

Last date for the entries to reach us:
01-07-2018

NAME: .............................................................
Address: ................................................................
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...........................................................................
...........................................................................
...........................................................................
...........................................................................
Pin code: ............................................................

Age: ........ Email: .......................................................

Sex: ........

Occupation: 
[ ] Student [ ] Housewife [ ] Teacher
[ ] Professional [ ] Retired [ ] Other

Educational level: 
[ ] Primary [ ] Secondary
[ ] Graduate [ ] Postgraduate

◆ Please fill up the questionnaire at the back
◆ You can send your answers on a photocopy of this page as well.

ANSWER: ________________________________

DUCK IN THE TUB

A toy duck is floating in a cylindrical tub 20 cm in diameter that is partially filled with water. Calculate the level of water rise in the cylinder when a silver crown weighing 100 gm is put on the duck’s head, if the density of water is 1.0 gm/cm$^3$ and density of silver is 10.49 g/cm$^3$. 

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LOGO MANIA

Identify the Scientific Organisations with the help of their logo.

1. __________   2. __________   3. __________   4. __________

5. __________   6. __________   7. __________   8. __________

Contributed by Sonam Choudhary, Research Intern, CSIR-National Institute of Science Communication and Information Resources

BIO-TECH PUZZLE

Fill in the blank spaces with suitable letters using the clues given below. Numbers in brackets indicate the number of letters.

1. Substance used to prepare wine and breads (5)
   _ _ _ _ A _ _

2. DNA Sequencing technique was developed by (5, 7 & 6)
   M _ X _ _ , G _ _ _ _ E _ _ and _ _ _ N _ E _

3. The role of microorganisms in fermentation was identified by (5, 7)
   _ _ U _ _ , P _ _ _ _ _ U _

4. rDNA technology was invented by (5 & 5)
   _ _ H _ _ and B _ _ _ _ _

5. Principles of Genetic Inheritance were given by (6)
   __ E __ D __

6. Restriction enzymes were discovered and characterised by (5, 5 & 7)
   A _ _ _ _ R , _ _ _ I T _ _ and N _ _ _ _ A _ _

7. The term ‘Biotechnology’ was proposed by (4, 5)
   __ A _ L , _ _ _ _ E _

8. DNA Fingerprinting was discovered by (4, 8)
   __ L _ _ _ , J _ _ _ _ R _ _ _

Contributed by Ms. Seetha Devi Addanki (M.Sc., B.Ed.), Teacher (Bio-sciences), St. Joseph’s Public School, A. G. Palace, Malakpet, Hyderabad – 500036

Solutions to the puzzles published in the April 2018 issue:

PRIZE PUZZLE: MIGRATING BIRDS

Answer:
10 cranes came to the pond with 11 lotus flowers. Second day 14 cranes arrived.

CARBOHYDRATES PUZZLE:

1. GLUCOSE
2. MALTOSE
3. LACTOSE
4. TREHALOSE
5. CELLOBIOSE
6. FRUCTOSE
7. LYOSE
8. SUCROSE
9. RIBOSE

DISCOVERY AND DISCOVERERS:

<table>
<thead>
<tr>
<th>Column I</th>
<th>Column II</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Bacteria</td>
<td>Antonie van Leeuwenhoek</td>
</tr>
<tr>
<td>2. Blood circulation</td>
<td>William Harvey</td>
</tr>
<tr>
<td>3. Continental drift</td>
<td>Alfred Wegener</td>
</tr>
<tr>
<td>4. Radiocarbon Dating</td>
<td>Willard Libby</td>
</tr>
<tr>
<td>5. Vitamins</td>
<td>Casimir Funk</td>
</tr>
<tr>
<td>6. Hydrogen</td>
<td>Henry Cavendish</td>
</tr>
<tr>
<td>7. Antarctica</td>
<td>James Cook</td>
</tr>
<tr>
<td>8. Nuclear Fission</td>
<td>Otto Hahn</td>
</tr>
</tbody>
</table>

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

- **Anandmay D. Patel**, 202, Vaidehi Residency, 44/1 Arunoday Society, Alkapuri, Vadodara, Gujarat-390007
- **B. Pujitha**, 43-3-23, Sreeja Residency, Railway New Colony, Visakhapatnam, Andhra Pradesh-530016
- **Santosh Kumar Sahu**, Department of Biotechnology, North Orissa University, Takatpur, Baripada, Odisha-757003

**Congratulations all the winners!**