

# ICATS SCIENCE CONTEST



# 2022 QUESTION BOOKLET

**GRADE 1 & 2  
TODDLERS**

Time Allowed: 75 Mins.  
Maximum Marks: 60



INTERNATIONAL  
**CATS CONTESTS**

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# ICATS SCIENCE CONTEST 2022

## TODDLERS (GRADE 1 & 2)

**TIME ALLOWED : 75 MINUTES, MAXIMUM MARKS : 60**

**TOTAL QUESTIONS : 20 MCQS**

### INSTRUCTIONS

1. DON'T START ATTEMPTING THE PAPER UNTIL INSTRUCTED BY THE INVIGILATORS.
2. INSTRUCTIONS FROM THE EXAMINATION INVIGILATORS MUST BE CARRIED OUT PROMPTLY.
3. CAREFULLY RECHECK YOUR NAME, FATHER NAME, SCHOOL NAME, ADDRESS ETC AT THE BUBBLE SHEET / ANSWER SHEET.
4. RECORD ALL ANSWERS ON THE BUBBLE SHEET ONLY. SELECT BEST ANSWER FROM THE FOUR GIVEN OPTIONS AND MARK ONLY ONE OPTION IN EACH QUESTION.
5. USE BLUE / BLACK INK TO FILL UP THE CIRCLES FOR YOUR ANSWERS ON THE BUBBLE SHEET. USE OF LEAD PENCIL IS NOT ALLOWED.
6. USE OF ANY HELPING MATERIAL INCLUDING CELL PHONES AND ELECTRONIC DEVICES IS STRICTLY PROHIBITED.
7. EVERY CORRECT ANSWER EARNS THREE POINTS. THERE WOULD BE NEGATIVE MARKING. ONE POINT WOULD BE DEDUCTED FOR EVERY INCORRECT ANSWER.
8. CANDIDATES MAY NOT LEAVE THE EXAMINATION ROOM UNESCORTED FOR ANY REASON, AND THIS INCLUDES USING THE WASHROOM.
9. NO MATERIALS OR ELECTRONIC DEVICES SHALL BE BROUGHT INTO THE ROOM.
10. THERE ARE FIVE CATEGORIES OF THE CONTEST AS UNDER:
  - A. TODDLERS (GRADE 1 & 2)
  - B. KIDS (GRADE 3 & 4)
  - C. JUNIORS (GRADE 5 & 6)
  - D. JUVENILES (GRADE 7 & 8)
  - E. ADOLESCENTS (GRADE 9 & 10 / O-LEVELS)
11. REGISTERED STUDENTS CAN PARTICIPATE IN THE CONTEST.
12. NO CANDIDATE SHALL TAKE OUT OF THE HALL ANY ANSWER BOOK(S) OR PART OF AN ANSWER BOOK, WHETHER USED OR UNUSED, OR OTHER SUPPLIED MATERIAL.
13. IF A PARTICIPANT DOES NOT UNDERSTAND A WORD OR PHRASE ON THE EXAM PAPER, NEITHER EXAMINER NOR INVIGILATOR IS PERMITTED TO ANSWER.
14. FOR INFORMATION ABOUT UPCOMING CONTESTS OR PROVIDING VALUABLE FEEDBACK, PLEASE VISIT [WWW.CATSCONTESTS.ORG](http://WWW.CATSCONTESTS.ORG)
15. ANY ACADEMIC MISCONDUCT OR MALPRACTICE MUST BE REPORTED TO INTERNATIONAL CATS CONTESTS AT [INFO@CATSCONTESTS.ORG](mailto:INFO@CATSCONTESTS.ORG)

Read the text below and answer the Questions 1 through 4.

## "Sofia Recycles"

Sofia was helping her dad. She put old cans and bottles in a box. Dad put the box outside. A green truck picked up the cans and bottles. The truck took everything to the recycling center.


**Q1.** What did Sofia and her dad collect for the recycling center?

**A** old cans and bottles

**B** paper

**C** old toys

**D** None of these



**Q2.** What happened after Sofia's dad took the box outside?

**A** Sofia put old cans and bottles in a box.

**B** A green truck picked up the cans and bottles.

**C** People used the pieces to make a new thing.

**D** Sofia put old toys in a box.



**Q3.** What happens to the bottles and cans before a person can make new things out of them?

**A** They are buried in the ground.

**B** They are broken down into pieces.

**C** They are put in piles.

**D** They are reused.

**Q4. What is the big lesson in "Sofia Recycles"?**

- A Recycling trucks are green.
- B Trash hurts the earth.
- C When we recycle, there is less trash left on Earth.
- D Trash should be wasted.



**Q5. Why are fire engines painted bright red and yellow?**

- A So they look good
- B So they stand out and can be seen easily
- C So they look smart
- D So they look clean



**Q6. Why are flowers so bright and colorful?**

- A So they look nice
- B So we will pick them
- C So they will attract lots of bees and butterflies
- D So they warn off bees and butterflies



**Q7.** If you put a hot brick in a bucket of cold water and leave it for a while, what would happen?

- A** The brick would get warmer, and the water would get cooler.
- B** The brick would get cooler, and the water would get warmer.
- C** The brick would get as cold as the water had been.
- D** The water would get as hot as the brick had been.



**Q8.** What causes day and night?

- A** The Sun moves around the Earth
- B** The Moon comes out, causing night
- C** The Earth orbits the Sun
- D** The Earth rotates on its axis



**Q9.** Lucy asked, 'What is the biggest tomato I can grow?' She had one tomato plant. She looked after it really well. It had twelve tomatoes on it. They all ripened and went red. How did she find out which was the biggest tomato?

- A** Lucy ate the tomatoes
- B** Lucy looked at the tomatoes
- C** Lucy weighed the tomatoes
- D** Lucy used a magnifying glass



**Q10.** Which of these is a tool used to make measurements?

**A** clock

**B** pencil

**C** telephone

**D** cell phone

**Q11.** Harry wants to install smoke detectors in his home office. Which of the following locations in the house need not have a smoke detector installed?

**A** Bedroom

**B** Bathroom

**C** Conference room

**D** Server room

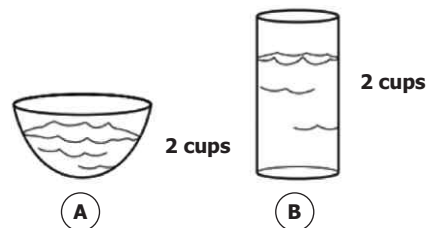
**Q12.** Two cups of water were placed into each of the open containers. Predict what the water levels will be tomorrow.

**A** The same amount of water will be left in both.

**B** There will be more water left in container B than in A.

**C** There will be more water in container A than in B.

**D** They will both still have two cups of water.



**Q13.** It is very difficult to change the shape of the steel. The blacksmith has to heat the steel so it is red hot and then hit it with a hammer. This is because steel is a \_\_\_\_\_ material.

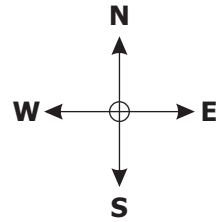
**A** Weak

**B** Hard

**C** Soft

**D** Bendy

**Q14.** Refer to the given picture. What time of the day does it show?



**A** Evening

**B** Morning

**C** Afternoon

**D** Noon



**Q15.** This is an elephant mother with her calf. What will the calf grow as she gets older?



**A** Tusks

**B** Trunk

**C** Ears

**D** Flat feet



**Q16.** In which of the following activities the bones and muscles are being used the least?

**A**



**C**



**B**



**D**





**Q17.** Which of the following objects can be used to show that air moves things?

**A**



**C**



**B**



**D** Both B and C



**Q18.** Which property do these four objects have in common?



Ceramic mug



Diamond



Glass bowl



Car bumper

**A** hard

**B** rough

**C** yellow

**D** bendable

**Q19.** Which of the following weather symbols are sunny and rainy?



**Q20.** Guess the shadow



# Congratulations

## ICATS Art Contest 2022 National Toppers

Student Name	Father Name	Grade	School
HUMNA NADIR	M. NADIR IKRAM	1	FOUNDATION PUBLIC SCHOOL
HAIDER ALI	ALI MUSHTAQ	2	ARMY PUBLIC SCHOOL & COLLEGE
MUHAMMAD YOUSAF	KAMRAN ASHRAF	3	KOHSAR CHILDREN'S ACADEMY
MUHAMMAD ZAID	M. SOHAIB NIZAMI	4	GENERATIONS SCHOOL
HANIA ABID	MRS. ASMA LATIF	5	FATIMA FERTILIZER SCHOOL
RUQAIYAH ALI ASGHER	ALI ASGHER KHAMBATWALA	5	MSB EDUCATIONAL INSTITUTE
RAMISHA ALI	ABID ALI MUGHAL	6	GOVT. QUEEN MARY GRADUATE COLLEGE
SYEDA FATIMA SURIYA	SYED TAHIR HUSSAIN	7	BEACONHOUSE SCHOOL SYSTEM
MANAL ARSHAD	MUHAMMAD ARSHAD	8	HABIB GIRLS SCHOOL
MARYAM SHAHID	SHAHID IQBAL	9	BAHRIA COLLEGE
AREEBA KHAN	DURAIZ KHAN	10	PRESENTATION CONVENT HIGH SCHOOL

## ICATS Creative Writing Contest 2022 National Toppers

Student Name	Father Name	Grade	School
HASSAN WASEEM	M. WASEEM	1	PAKISTAN INT'L PUBLIC SCHOOL
M. AFNAN SUFDER	SUFDER HUSSAIN	2	ARMY PUBLIC SCHOOL AND COLLEGE SYSTEM
FATIMA NOOR	BILAL YOUSAF	3	LAHORE GRAMMAR SCHOOL
M. ABDULLAH HASSAN	RIZWAN AHMAD	3	LAHORE GRAMMAR SCHOOL
SHANZAY ADNAN	ADNAN FAROOQ	3	ARMY PUBLIC SCHOOL
PRATIK PARKASH	PARKASH LAL	4	THE CITY SCHOOL
DANIYAL SHAHZAD	SHAHZAD ASLAM	5	LAHORE GRAMMAR SCHOOL
HASSAN ALI	IMRAN ALI SHAH	6	ARMY PUBLIC SCHOOL & COLLEGE
MAIDA SOHAIL	SOHAIL AKRAM	7	BEACONHOUSE SCHOOL SYSTEM
ATIYA ATIF	MUHAMMAD ATIF NAZAR	8	ROOTS IVY INTERNATIONAL SCHOOL
AYESHA HAFEEZ	CH. GHULAM HAFEEZ	8	ISLAMABAD COLLEGE OF ARTS & SCIENCES
PARTHAM KUMAR	DOULAT RAM	9	AGA KHAN HIGHER SECONDARY SCHOOL
AMNA HUSNAIN	SYED ALI ZAFAR	10	AES SCHOOL FOR GIRLS
RASIKH JAVED	M JAVED	10	BAHRIA FOUNDATION COLLEGE

Compete  
if you are the best