



INTERNATIONAL  
**CATS CONTESTS**  
COMPETENCE & APTITUDE TESTING SERVICES  
**FASTEST GROWING CONTESTS IN PAKISTAN**



**ICATS SCIENCE**  
CONTEST 2021

**Question Booklet**  
**GRADE 3 & 4**  
**KIDS**

*Time Allowed: 75 Mins.*  
*Maximum Marks: 75*

# ICATS SCIENCE CONTEST 2021

## KIDS (GRADE 3 & 4)

TIME ALLOWED : 75 MINUTES

MAXIMUM MARKS : 75

TOTAL QUESTIONS : 25 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. ONLY 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)

**Q1.** Which property matches this object?



Select the best answer.

**A** | yellow

**B** | scratchy

**C** | bouncy

**D** | stretchy



**Q2.** Which property do these four objects have in common?



popcorn



corn on the cob



pretzel



pineapple

**A** | blue

**B** | bumpy

**C** | slippery

**D** | translucent

**Q3.** Which material is these soccer shorts made of?



**A** | wood

**B** | ceramic

**C** | polyester

**D** | concrete



**Q4.** Is cake batter a solid, a liquid or a gas?



**A** | a solid

**B** | a liquid

**C** | a gas

**D** | none of these

**Q5.** How long is a potato? Select the best estimate.

**A** | 19 millimeters

**B** | 19 centimeters

**C** | 19 meters

**D** | 19 kilometers



**Q6.** How do you feel if you do not get food for a long time?

**A** | Weak

**B** | Sleepy

**C** | Tired

**D** | none of these



**Q7.** All living things need \_\_\_\_\_ to live.

**A** | Food

**B** | Light

**C** | Bed

**D** | Book



**Q8.** We can use water for

**A** | making drinks

**B** | cooking

**C** | washing

**D** | all of these

**Q9.** Which of the following do not move?

**A** | chair

**B** | man

**C** | woman

**D** | dog



**Q10.** Which of the following prepares its own food?

**A** | plant

**B** | dog

**C** | cat

**D** | man



**Q11.** Birds' bodies are shaped like

**A** | aeroplane

**B** | train

**C** | car

**D** | motorbike

**Q12.** A woman starts to drive her car. She uses a force to push the gas pedal with her foot \_\_\_\_\_ .



**A** | away from her foot

**B** | towards her foot

**C** | both A & B

**D** | none of these



**Q13.** This picture shows two African wild dogs.

African wild dogs live in groups called packs. Between 3 and 20 adult African wild dogs live together in a pack.

**Which statement of the followings is not true?**

**A** | They have four legs.

**B** | They have two ears.

**C** | They have black, brown and white fur.

**D** | They live in packs with thousands of other African wild dogs.



**Q14.** The following picture shows a queen leaf-cutter ant.

Each leaf-cutter ant colony have one queen. The queen starts the colony. First she flies to a new place. She digs a hole in the ground to start a nest. Then she lays eggs in the nest.

Soon new ants hatch from the eggs. These ants make up the new colony. They do not lay eggs. The queen lays all of the eggs for the colony.

How is the queen different from the other ants in the colony? Select all that apply.



**A** | She is the only ant that lives in the nest.

**B** | She is the only ant that has a job.

**C** | She is the only ant that lays eggs.

**D** | She does not eat food and drink.



**Q15.** People use walnut trees for food. We usually eat the part of this plant that can grow into a new plant.

Which part of the walnut tree do we usually eat?

**A** | the leaves

**B** | the seeds

**C** | the flowers

**D** | the fruit





**Q16.** After Ella is a teenager, she will stop growing. Ella will be a/an \_\_\_\_\_ .

**A** | Child

**B** | Infant

**C** | Junior

**D** | Adult

**Q17.** How can people harm natural resources?

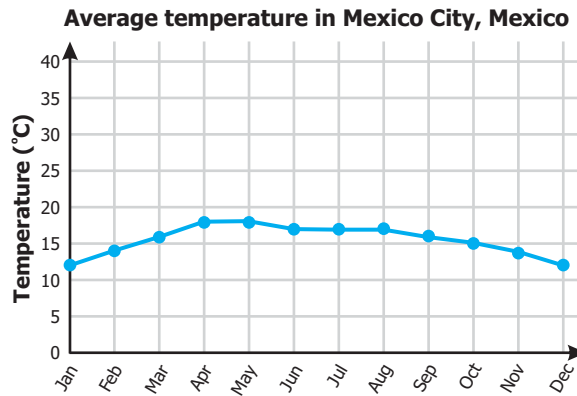
**A** | they can waste them

**C** | they can reuse them

**B** | they can protect them

**D** | they can save them

**Q18.** Use the graph to answer the question below.



**Which two months are the warmest in Mexico City?**

**A** | April and May

**C** | June and July

**B** | October and November

**D** | July and August

**Q19.** Water on Earth can be solid, liquid or gas. Solid, liquid and gas are states of matter. When the temperature goes up or down, water can change from one state to another.

Complete the sentence.

Liquid water becomes ice when it \_\_\_\_\_ .

**A** | boils

**B** | melts

**C** | freezes

**D** | all of the above



**Q20.** Which of these pictures shows a natural resource?

**A**



Football

**C**



Mushroom

**B**



Cookies

**D**



Camera

**Q21.** This picture was taken after an earthquake.



**What evidence of an earthquake does this picture show?**

- A** | There is a guard rail on each side of the road.
- B** | There are buildings with broken windows.
- C** | There are large cracks in the road.
- D** | There are broken roofs and walls of houses.



**Q22.** How long is a paintbrush? Select the best estimate?

- A** | 25 centimeters
- B** | 25 meters
- C** | 25 kilometers
- D** | none of these



**Q23.** What do lungs do in human body?

- A** | They produce the power to move the body.
- B** | They take in oxygen from the air.
- C** | They release carbon dioxide from the body.
- D** | Both B and C.

**Q24.** Below are three examples of using energy from natural resources. Select the use of energy that did not add to air pollution.

**A** A large power plant burned coal to generate electricity. Over the course of one year, the power plant burned 11 million tons of coal.



**B** During World War 2, gasoline supplies were low. The engines of many cars were changed to burn wood instead of gasoline.



**C** In Syria, waterwheels called norias were constructed on rivers. Flowing river water turned the noria, delivering water from the river below to the city above.



**D** All of the above.

**Q25.** Carefully look at the map below. Then answer the following question.



**Complete the following sentence.**

**The surface of Earth is covered mostly by \_\_\_\_\_ water.**

**A** | salt

**B** | frozen

**C** | fresh

**D** | none of these



National Toppers  
ICATS  
ART  
Contest  
2021

Student Name	Father Name	Grade	School
TEHREEM SHIRAZ	SYED SHIRAZ ALAM	1	CANTT. PUBLIC HIGH SCHOOL & GIRLS COLLEGE (HYDERABAD)
MUHAMMAD AHMED KHAN	UZAIR AHMAD KHAN	2	ARMY PUBLIC SCHOOL (JUNIOR)
RAMISHA SAHAR	RAJA ISHAQ ASAD	3	FATIMA FERTILIZER SCHOOL
ZARLISH MOMINAH	TAYYAB SIDDIQUE	4	ARMY PUBLIC SCHOOL (DEFENCE COMPLEX ISLAMABAD)
DARSAMIN RAFIQUE	AZHAR RAFIQUE	5	NOVA CITY SCHOOL
AAFEEN KHALIL	KHALIL FAZIL	6	ISLAMABAD COLLEGE OF ARTS AND SCIENCES
HOORIA NOUMAN	NOUMAN ILYAS	7	KOSHAR CHILDREN'S ACADEMY
FATIMA RIZWAN	RIZWAN LIAQAT	8	LAHORE GRAMMAR SCHOOL
DUA ZAIN	M. ZAIN	9	HIRA FOUNDATION SCHOOL
WAJIHA SHAKEEL	SHAKEEL SIDDIQ	10	THE INTELLECT SCHOOL

*Congratulations*

National Toppers  
ICATS  
Creative Writing  
Contest  
2021

Student Name	Father Name	Grade	School
MUHAMMAD HAZIQ UMAR	UMAR SARWAR	1	LAHORE GRAMMAR SCHOOL
M ABDULLAH	IKHTIYAR AHMED	2	FAUJI FOUNDATION SCHOOL (IAND)
ALISHBA HAMEED	ABDUL HAMEED	3	ST. GREGORY'S HIGH SCHOOL
SHAHMEER	AMEER HUSSAIN	4	LAHORE GRAMMAR SCHOOL (VALENCIA TOWN)
ESHAAL ALEEM	ALEEM AHMED KHAN	5	THE CITY SCHOOL (GULSHAN JUNIOR CAMPUS)
MUHAMMAD YAHYA	IFTIKHAR MANZOOR	6	INTERNATIONAL ISLAMIC UNIVERSITY ISLAMABAD SCHOOL
SYEDA SABA ZAWAR	SYED ZAWAR	7	THE CITY SCHOOL (JHELMUM CAMPUS)
EMAN AMNA	AFTAB	8	HAYAT SCHOOL & COLLEGE
ALIZHA NOOR ARSHAD	MRS. FOZIA ARSHAD	9	THE INTERNATIONAL SCHOOL OF CHOUEIFAT
MANAAM RAZA	RAZA UL MOHSIN	10	LAHORE GRAMMAR SCHOOL (1A1 SENIOR)

*Congratulations*

Compete  
if you are the best