

Compete
if you are the best

Preparatory Material

ICATS SCIENCE CONTEST

Grade 1-2



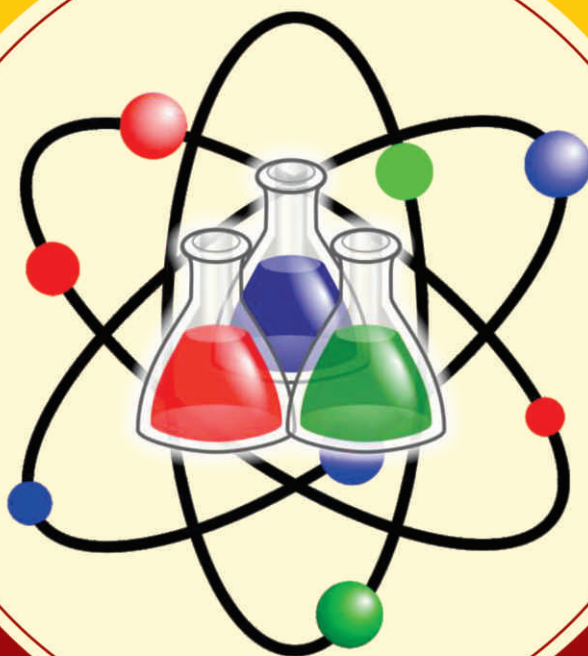
INTERNATIONAL
CATS CONTESTS
COMPETENCE & APTITUDE TESTING SERVICES
FASTEST GROWING CONTESTS IN PAKISTAN



ICATS **SCIENCE**

Contest 2017

Toddlers Grade 1 & 2



INTERNATIONAL
CATS CONTESTS
COMPETENCE & APTITUDE TESTING SERVICES

ICATS SCIENCE CONTEST 2017

TODDLERS (GRADE 1 & 2)

TIME ALLOWED : 75 MINUTES

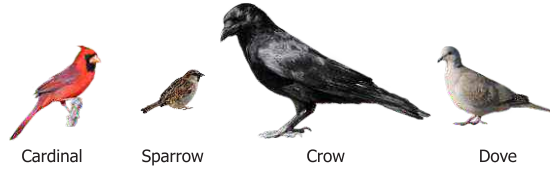
MAXIMUM MARKS : 60

TOTAL QUESTIONS : 20 MCQS

INSTRUCTIONS

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3. WRITE YOUR NAME, FATHER NAME, SCHOOL NAME, ADDRESS ETC AT THE BUBBLE SHEET (ANSWER SHEET) ONLY.
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Q1.



The drawing compares the size of four different birds. How would you arrange the birds in order from smallest to largest?

A Cardinal, sparrow, crow, dove

B Sparrow, cardinal, crow, dove

C Crow, cardinal, dove, sparrow

D Sparrow, cardinal, dove, crow

Q2.



Based on the picture of this dog, an observation can be made that this animal -

A runs fast

B barks loudly

C jumps high

D has spots

Q3. On her vacation, Mrs. Smith saw a snake, the snake was a solid color and had dark rings around its body. Which is MOST like the snake Mrs. Smith saw?

A



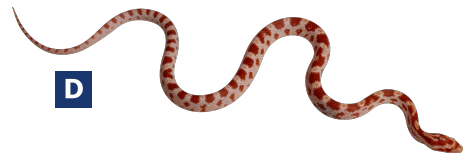
B



C



D



Q4. Which picture shows objects with shapes **MOST** alike?

A

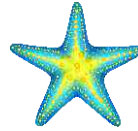


Apple



Puffer Fish

B



Seastar



Flower

C



Bird Beak



Moon Phase

D



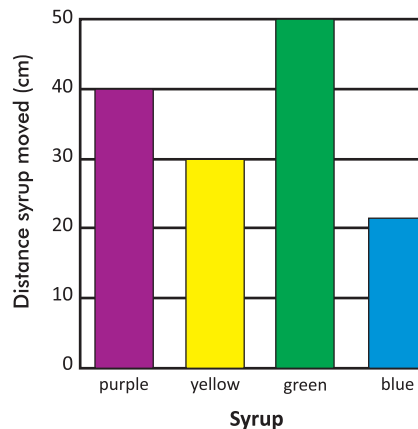
Small Shell



Maple Seed

Q5. Syrups are thick, sticky liquids. The thicker the syrup, the more slowly it will move down a slope.

The graph shows the distance four different syrups moved down a slope in one minute.



Which syrup is the thickest?

A purple

B yellow

C green

D blue

Q6. Which of these is made from a plant?

A



Cotton Shirt

B



Plastic Glasses

C



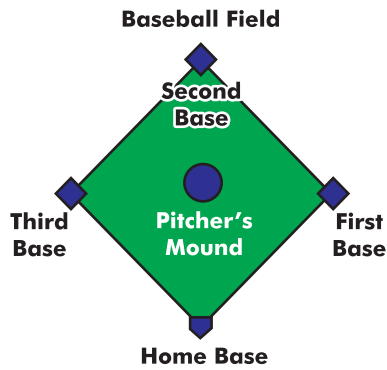
Leather Boots

D



Metal Bracelet

Q7.



Which shape is **MOST** like the one made by connecting the bases on the baseball field?

A Circle

B Square

C Triangle

D Oval

Q8. Which of these **BEST** describes the texture of the metal spoon?



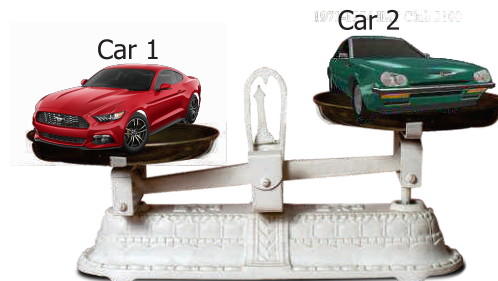
A Rough

B Smooth

C Flexible

D Shiny

Q9. Students made observations about these toy cars. Which of these **BEST** describes Car 1 and Car 2?



A Car 1 is heavier than Car 2.

B Car 2 is darker than Car 1.

C Car 2 is bigger than Car 1.

D Car 1 is longer than Car 2.

Q10. I am green and small. I can make you cry. I am a _____.

A Pea

B Chilli

C Ladyfinger

D Spinach

Q11. Unscramble the words given below to get the name of the home of the animal shown in the figure.

'ATSLBE'



A Ebstla

B Tebsla

C Stable

D Belsta

Q12. Select the correct option.

A



lives in water.

B



has eight legs.

C



cannot fly.

D



largest living animal.

Q13. _____ is a living thing because _____.



A It grows

C It breathes

B It can make more money plants

D All of these

Q14. James put a small box on his hand and made the following comments.



It is cold.
It is rough.
It is hard.

Which sense organ did James use to make these descriptions?

A Ear

B Skin

C Tongue

D Hand

Q15. If you face the rising Sun in the morning, the direction on your left is



A North

B South

C East

D West

Q16. Which of the following is NOT the property of air?

A Air fills space.

B Air gives shape to things.

C Air has weight and fills space

D None of these.

Q17. These pictures can be put in order to tell a story. Which of these pictures MOST likely comes at second last.



A



B

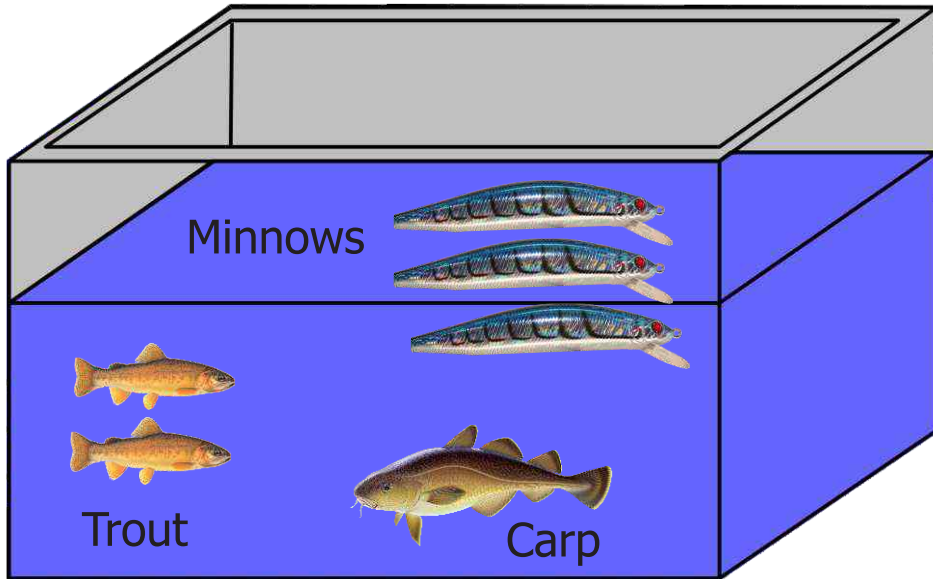


C



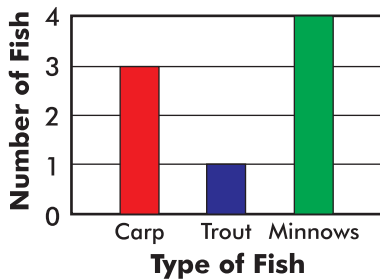
D

Q18.

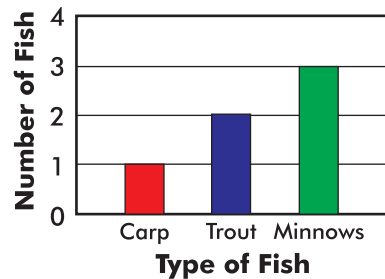


Which graph shows the correct type and number of fish in the fish tank?

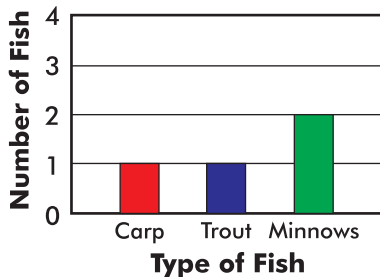
A



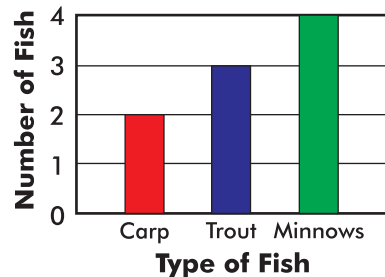
B



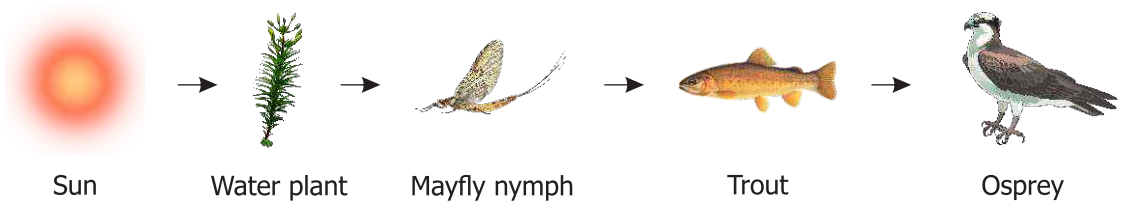
C



D



Q19. Based on the food chain, which of these is a carnivore?



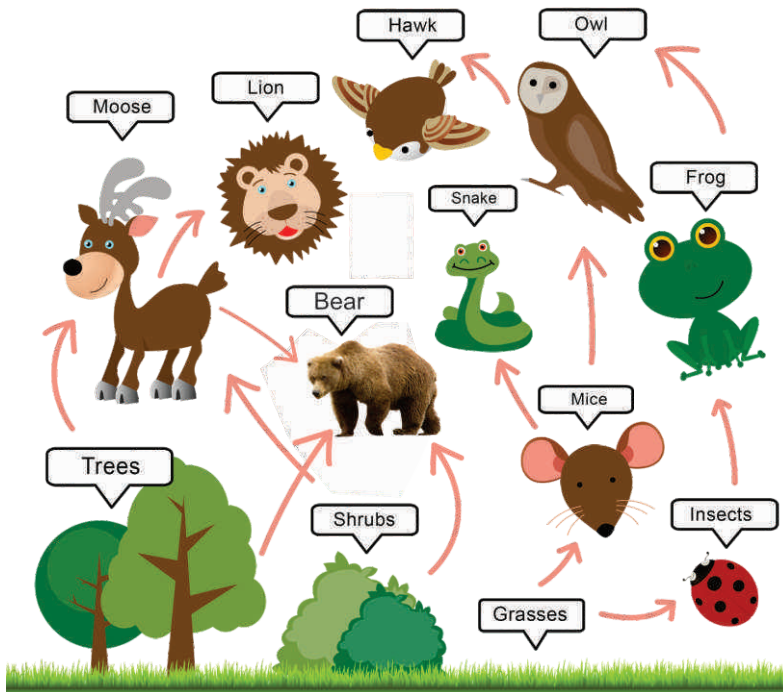
A Sun

B Water plant

C Mayfly nymph

D Osprey

Q20. A forest food web is shown below.



Which animal eats both plants and other animals for food?

A Bear

B Lion

C Rat

D Snake



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(A) (B) (X) (D) wrong filling

(A) (B) (✓) (D) wrong filling

(A) (B) (C) (D) wrong filling

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- 1 (A) (B) (C) (D)
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ICATS

SCIENCE **Contest 2018**
QUESTION BOOKLET

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Q1. Which of the following materials is obtained from the animal given below?



Sheep

A Silk

B Wool

C Jute

D Rayon

Q2. Which of the following can move by themselves?

A



B



C



D



Q3. Which of the following things can grow in size by themselves?

A



B



C



D



Q4. Tell me who I am?

**I help in making
food for
the plant.**

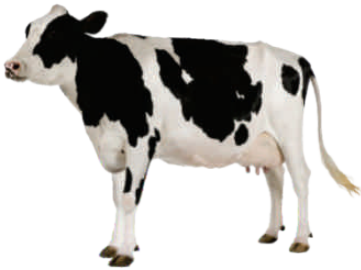
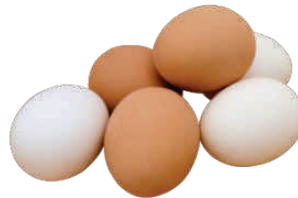
A Stem

B Leaf

C Root

D Flower

Q5. Which of the following animals and the things that are obtained from them are NOT matched correctly?

A**B****C****D**

Q6. Which of the following animals helps to keep the jungle clean by eating dead animals?

A

Giraffe

B

Camel

C

Jackal

D

Elephant

Q7. In the given weather chart, which day is sunny and windy?

Day	Monday	Tuesday	Wednesday	Thursday
Morning				
Afternoon				

A Monday**B** Tuesday**C** Wednesday**D** Thursday

Q8. Which of the following animals is not used to carry our loads of goods and luggage?

A

Horse

B

Elephant

C

Camel

D

Goat

Q9. Ali is listening to his favourite songs. He is using his sense of _____ .

A sight**B** touch**C** smell**D** hearing

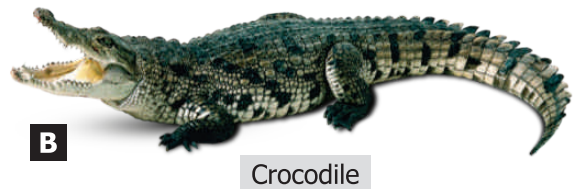
- Q10.** Sameera was making a list of items that are obtained from plants and Lalit was making a list of items that could be eaten.



Which of the following could be present in both the lists?

- A** Salt **B** Milk **C** Jute **D** Pepper

- Q11.** Which of the following animals can survive in a desert?



Q12. Rohan is living in mountains. Which of the following houses does he prefer to build?

A



House with sloping roof

B



House with flat roof

C



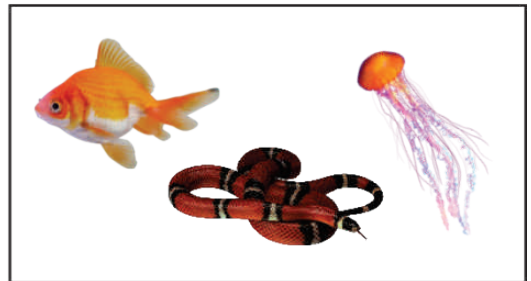
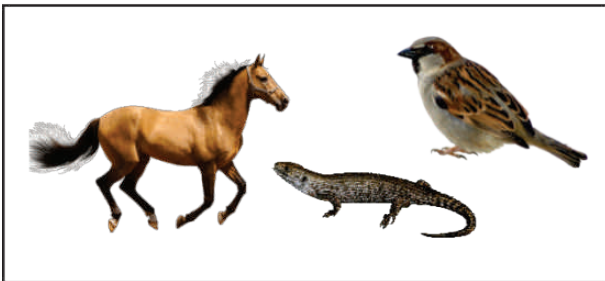
House on wheels

D



House with thatched roof

Q13. The class divided the animals into two groups. Which set of titles below would best label these two boxes?



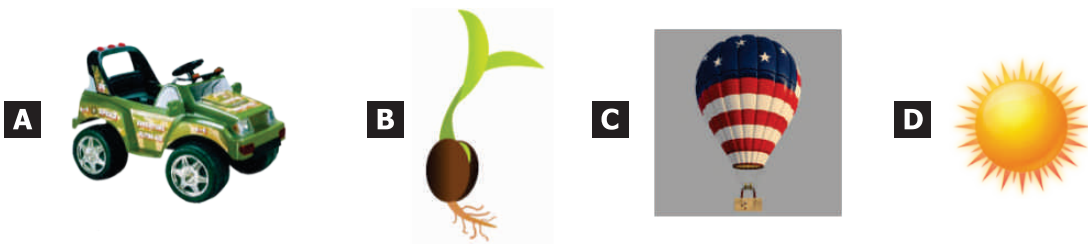
A "Animals With Beaks" and "Animals Without Beaks"

B "Animals With Feet" and "Animals Without Feet"

C "Animals With Feathers" and "Animals Without Feathers"

D "Animals With Fur" and "Animals Without Fur"

Q14. Which of the following is a living thing?



Q15. Which of these shapes does the Moon never take?



Q16. Look at the items given in the box.

In which season are these items used?

- A** Summer season
- B** Rainy season
- C** Winter season
- D** Both (A) and (C)



Q17. Which of the following objects does the earth look like?

A



B



C



D



Q18. Look at the pictures. Which one makes a sound?

A



B



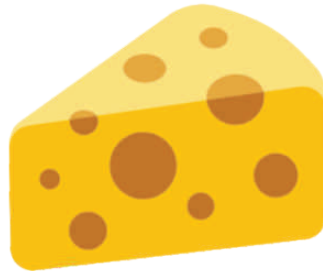
C



D



- Q19.** We like to eat things that smell good and taste nice. Some food tastes salty and some food tastes sweet. We have taste buds all over our tongue. We use our taste buds to sense the difference between salty and sweet. Which food item is saltish?

A**B****C****D**

- Q20.** Abeera wants to buy a piece of soft and bright coloured cloth to make some cushion cover. Which sense organs would she use to choose the piece of cloth?

Skin**Tongue****Ears****Eyes****A** Only Skin and Tongue**B** Only Skin and Eyes**C** Only Skin, Tongue and Ears**D** Only Tongue, Ears and Eyes

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ICATS English Linguistics Contest 2018 National Toppers

Student Name	Father Name	Grade	School	City
FIMAAAN TASSADDUQUE	ROSHAAN TASSADDUQUE	1	KOHINOOR GRAMMAR SCHOOL	FAISALABAD
MUSA NOOR	NOOR NABI	1	FOUNDATION MONTESSORI SCHOOL	BAHAWALPUR
ZAINA KHAN	MUNAWAR AHMED	1	BEACONHOUSE SCHOOL SYSTEM (BKI F-7/4)	ISLAMABAD
MALIK-AL-ASHTER	KHAN MURTAZA	2	MSB INSTITUTE-SHABBIRABAD	KARACHI
JAWAD ALI	MUHAMMAD ASSAD	2	JOINT STAFF PUBLIC SCHOOL AND COLLEGE CHAKLALA	RAWALPINDI
M. ASAD HUSSAIN	SYED M. ASIF HUSSAIN	2	USMAN PUBLIC SCHOOL SYSTEM (CAMPUS XVI)	KARACHI
HIJAB FATIMA	IRFAN QADIR	3	BEACONHOUSE ALLAMA IQBAL TOWN CAMPUS	LAHORE
ZAINEB NADEEM	NADEEM AFZAL	4	KOHSAR CHILDREN'S ACADEMY	MANSEHRA
MARIA FAISAL	FAISAL SALEEM	5	THE CITY SCHOOL GIRLS BRANCH SATELLITE TOWN	RAWALPINDI
IBRAHIM SALMAN	SALMAN RASOOL	6	LAHORE GRAMMAR SCHOOL FAISAL TOWN BRANCH	LAHORE
KHADIIJA IMRAN	IMRAN MAGRANI	7	D. A PUBLIC SCHOOL (O/A LEVELS) SEAVIEW	KARACHI
LAIBA MASOOD	MASOOD ABBAS	8	USMAN PUBLIC SCHOOL SYSTEM (CAMPUS 1)	KARACHI
EMAAN IFTIKHAR	IFTIKHAR AHMAD	9	BEACONHOUSE SCHOOL SYSTEM PTC GIRLS BRANCH	GUJRANWALA
AYESHA NADEEM	MUHAMMAD NADEEM	10	USMAN PUBLIC SCHOOL SYSTEM (CAMPUS VIII)	KARACHI

ICATS Mathematics Contest 2018 National Toppers

Student Name	Father Name	Grade	School	City
AMAN ALI AHMAD	MUHAMMAD WASIM	1	LAHORE GRAMMAR SCHOOL (LANDMARK PROJECT)	LAHORE
MIAN AZAAN MAQBOOL	DANISH MAQBOOL	2	ARMY PUBLIC SCHOOL GARRISON JUNIOR	LAHORE
SHAHEER AFZAL	JAVED AFZAL MARWAT	3	ARMY PUBLIC SCHOOL (TODDLERS ACADEMY)	PESHAWAR
MUHAMMAD AHMED	ASMAT ALI	4	ARMY BURN HALL SCHOOL AND COLLEGE (FOR GIRLS)	ABBOTTABAD
M. MURTAZA ZAIDI	BABER ALI	5	BEACONHOUSE ALLAMA IQBAL TOWN CAMPUS	LAHORE
RAJA SAAD ALI	RAJA AAMIR	6	HITEC SCHOOL & COLLEGE FOR BOYS CANTT	TAXILA
ZAID BIN HAROON	M. HAROON RAFIQUE	7	THE SCIENCE SCHOOL	RAWALPINDI
WALEED AHMED	M. ATIQ	8	KIPS SENIOR BOYS CAMPUS JOHAR TOWN	LAHORE
M. RAYAN ABID	M. ABID MUNEEER	9	SIR SYED SCHOOL AND COLLEGE (CAMPUS IV)	WAH CANTT
IMTIAZ KHAN	DADA KHAN	10	AGA KHAN HIGHER SECONDARY SCHOOL	GILGIT

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Q Answer

- 1 ☐ A ☒ B ☐ C ☐ D
2 ☐ A ☐ B ☒ C ☐ D
3 ☐ A ☐ B ☒ C ☐ D
4 ☐ A ☒ B ☐ C ☐ D
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10 ☐ A ☐ B ☐ C ☒ D

Q Answer

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13 ☐ A ☒ B ☐ C ☐ D
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16 ☐ A ☒ B ☐ C ☐ D
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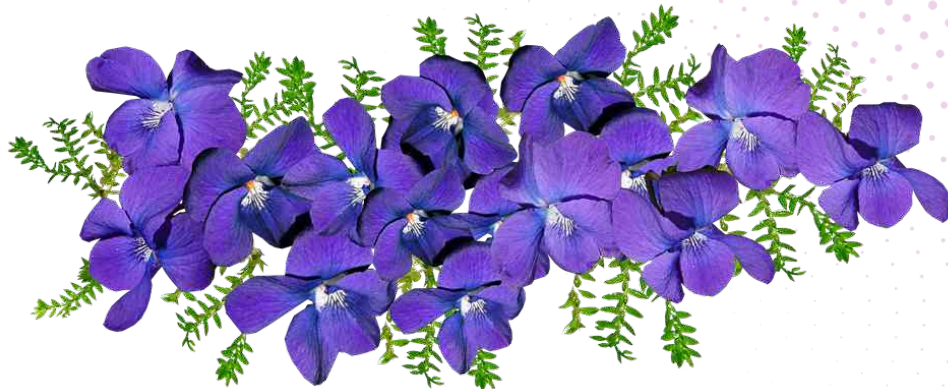
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TOTAL QUESTIONS : 20 MCQS

INSTRUCTIONS

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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.
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 - D. JUVENILES (GRADE 7 & 8)
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15. ANY ACADEMIC MISCONDUCT OR MALPRACTICE MUST BE REPORTED TO INTERNATIONAL CATS CONTESTS AT INFO@CATSCONTESTS.ORG



Q1. Botanists identify violets by their flowers and leaves.
A common blue violet is shown above.

Which plant shown below is another type of violet?

A



C



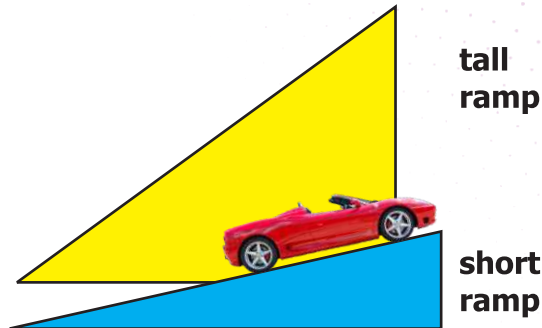
B



D



- Q2.** The picture below shows the equipment used in an experiment to determine the effect of ramp height on the total distance a toy car travels.



The students performed four steps in their experiment:

- 1 | Put the car at the top of the shorter ramp.
- 2 | Let the car go until it stops.
- 3 | Measure the distance the car traveled.
- 4 | Record the distance in a chart.

Which step should be completed next?

- A | Decide which ramp will make the car go farther.
- B | Place the card at the top of the taller ramp.
- C | Put a new surface on the ramp.
- D | Change the wheels on the car.

- Q3.** A very large redwood tree is measured to be about 100 units tall. Which unit is the most appropriate to use?

A | millimeters

B | centimeters

C | meters

D | kilometers

Q4. The safety equipment shown below is used in situations involving



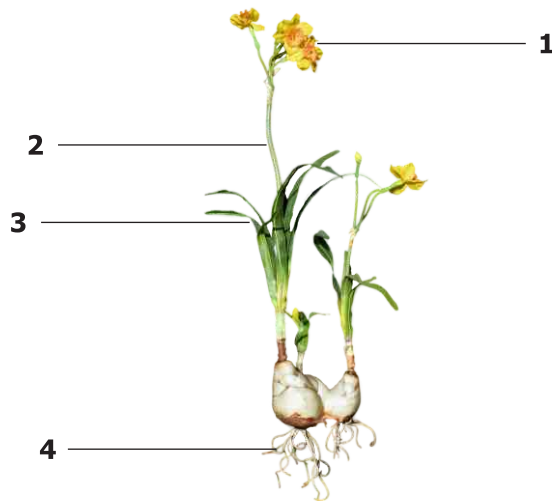
A | chemical spills.

B | fire.

C | broken glass.

D | physical injuries.

Q5. Which letter in the diagram below points to the plant structure that takes in water and nutrients?



A | 1

B | 2

C | 3

D | 4

Q6. Which food is a fruit?

A | a potato

B | an onion

C | a carrot

D | a pumpkin

Q7. In which environment would a white rabbit be best protected from predators?

A | a shady forest

B | a snowy field

C | a grassy lawn

D | a muddy riverbank

Q8. A mother hen clucks loudly when danger is near and her chicks quickly gather around her. Which sense helps the chicks receive this warning about danger from their mother?

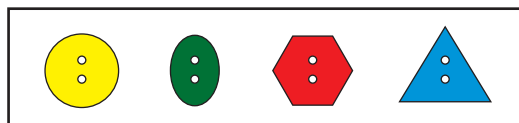
A | smell

B | taste

C | sight

D | sound

Q9. A group of buttons is shown in the diagram below.



Which button belongs with the group of buttons shown above?

A



B



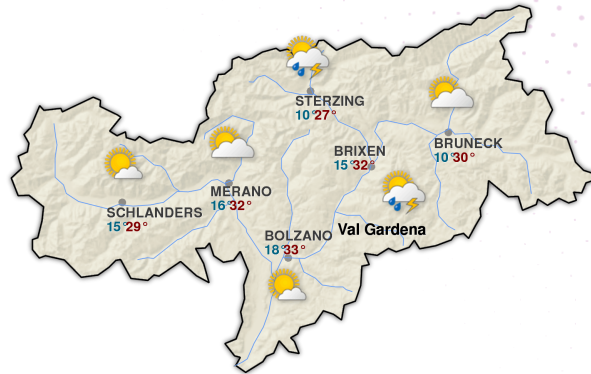
C



D



Q10. Which information is contained on this map of the United States?



A | state capitals

B | mountain ranges

C | weather conditions

D | animal populations

Q11. The thermometers below show the temperature of a liquid at the beginning and at the end of an experiment.

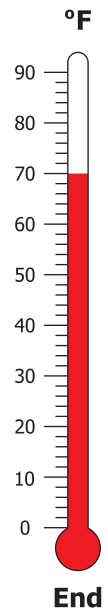
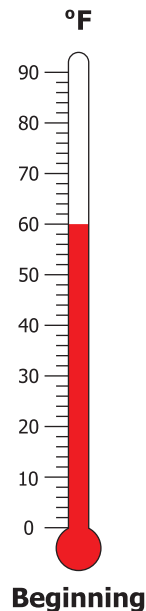
How did the temperature of the liquid change from the beginning to the end of the experiment?

A | It went down 4°F.

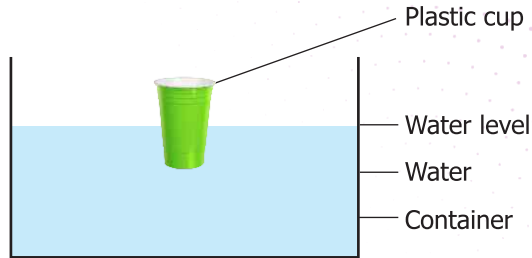
B | It went down 8°F.

C | It went up 2°F.

D | It went up 10°F.



Q12. The diagram below shows a plastic cup floating in a container of water.



If some marbles are placed in the cup, the water level will

A | decrease

C | remain the same

B | increase

D | decrease to half of the current level

Q13. An example of a poor health habit is

A | taking a bath or shower regularly

C | playing on a soccer team

B | handwashing after using the bathroom

D | eating candy instead of lunch

Q14. The diagram shows a human body system.

What are two of the functions performed by this body system?

A | protects and supports the body

B | produces and transports oxygen within the body

C | produces and excretes waste products

D | controls and coordinates body activities



Q15. Which characteristic helps a fox to find food?

A | sense of smell

B | thick fur

C | long tail

D | pointed teeth



Q16. The diagram below shows several objects. Which objects in the picture are nonliving?



A | tree and rope

B | tire and rope

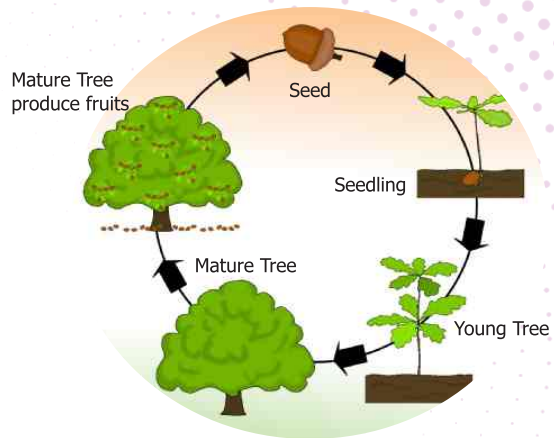
C | grass and tire

D | grass and tree

Q17. The diagram below shows the growth of a tree.

This diagram represents a











- A** | food chain
- B** | food supply
- C** | life span
- D** | life cycle



(Not drawn to scale)

Base your answers to questions 18 through 20 on the chart below and on your knowledge of science. The chart shows the life span of several organisms.

Life Span of Several Organisms

	1-30 days	1-12 months	1-10 years	10-100 years	100-1,000 years	Over 1,000 years
Pine trees					 Cedar of Lebanon	 Bristlecone pine
Flowering plants		 Common poppy	 Foxglove			 English oak
Arthropods (includes insects)	 Housefly	 Butterfly		 American lobster		
Mammals			 Red fox	 African elephant		

(Not drawn to scale)

Q18. What is the life span of an organism?

- A** | the stages of development of the organism
- B** | the length of time the organism lives
- C** | the basic needs of the organism
- D** | the life processes the organism performs



Q19. The life span of an African elephant is between

- A** | 1 minute and 1 day
- B** | 1 year and 10 years
- C** | 10 years and 100 years
- D** | 100 years and 1,000 years



Q20. Which organism has the longest life span?

- A** | red fox
- B** | common poppy
- C** | American lobster
- D** | bristlecone pine

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[illegible]

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ICATS English Linguistics Contest 2019 National Toppers

Student Name	Father Name	Grade	School	City
AMATULLAH	ADNAN	1	MSB EDUCATIONAL INSTITUTE	KARACHI
MUHAMMAD MOHSIN	WAHEED SHEHZAD	1	RANGERS PUBLIC SCHOOL FOR BOYS	LAHORE
ZAIN-UL-ABIDIN	INAM-ULLAH	2	ARMY PUBLIC SCHOOL GARRISON JUNIOR	LAHORE
MUHAMMAD ASIS JAVED	MUHAMMAD SHAHEER JAVED	3	THE CITY SCHOOL CHASHMA BRANCH	MIANWALI
AYESHA SIDDIQUI	M. ASHRAF UL KABIR SIDDIQUI	4	THE CITY SCHOOL GULSHAN JUNIOR CAMPUS	KARACHI
AYESHA FAISAL	FAISAL EHSAN	5	LAHORE GRAMMAR SCHOOL LANDMARK PROJECT	LAHORE
ASAD IMRAN	M. IMRAN	6	THE CITY SCHOOL CANTT CAMPUS II	QUETTA
MANAAL TARIQ	DR. TARIQ MEHMOOD	7	THE CITY SCHOOL GIRLS CAMPUS	SIALKOT
FIZZA RIZVI	ALI ABBAS RIZVI	8	HABIB GIRLS SCHOOL	KARACHI
LAMISAH BEHRAM KHAN	BEHRAM BASHIR KHAN	9	LAHORE GRAMMAR SCHOOL	ISLAMABAD
FAIZ UL HASSAN GILANI	GHULAM UL HUSSAIN GILANI	10	THE CITY SCHOOL TOWN SENIOR SECTION	PESHAWAR

ICATS Mathematics Contest 2019 National Toppers

Student Name	Father Name	Grade	School	City
HIBA MALIK	BILAL MALIK	1	KOHSAR CHILDREN'S ACADEMY	MANSEHRA
DURYAB ZAHRA	MUHAMMAD RASHID	1	BEACONHOUSE HAFIZABAD	HAFIZABAD
ABDUL RASHEED	ABDUL WAHEED	2	ARMY PUBLIC SHOO & COLLEGE SYSTEM SADDAR CAMPUS	KARACHI
BURHANUDDIN	M. ALI ASGHER SAMIWALA	2	MSB EDUCATIONAL INSTITUTE	KARACHI
M. HUMMAS	M. SHAKIL	3	DEFENCE HOUSING AUTHORITY COLLEGE AND SCHOOL SYSTEM	KARACHI
EHAN QURESHI	ASSADULLAH QURESHI	4	FFC GRAMMAR SCHOOL AND COLLEGE	MIRPUR MATHELO
MAHAD ABID	M. HARIS UMER	5	THE CITY SCHOOL CHENAB CAMPUS	FAISALABAD
UROOJ AJMAL	AJMAL IBRAHIM	6	KIPS SCHOOL	LAHORE
MUHAMMAD SALAMAT	SADAT MEHMOOD	7	GARRISON ACADEMY TUFAIL SHAHEED CAMPUS (SENIOR)	LAHORE
ABDULLAH JUNAID KHAN	ABDUL RAUF	8	THE SCIENCE SCHOOL	ISLAMABAD
SAAD ALI HASSAN	ABDUL HAYEE	8	THE SCIENCE SCHOOL	RAWALPINDI
DANIYAL KALEEM SHEIKH	MUHAMMAD KALEEM	9	ROOTS IVY INTERNATIONAL SCHOOL IB CAMPUS	RAWALPINDI
AHMED ALI	AUN ALI	10	MSB EDUCATIONAL INSTITUTE	KARACHI

COMPETE if you are
the **BEST**



INSTRUCTIONS

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ICATS Science Contest 2019 Grade 1-2

Choose only ONE of the FOUR proposed answers (A, B, C or D) and fill in the circle with your answer.

Example of correctly filled table of answers.

(A) (B) (C) (D)

Correct Filling Answer "C"

(A) (B) (X) (D)

wrong filling

(A) (B) (C) (D)

wrong filling

(A) (B) (Ø) (D)

wrong filling

(A) (B) (C) (D)

wrong filling

Q. No. Answer

- | | |
|----|-----------------|
| 1 | (A) (B) (C) (●) |
| 2 | (A) (●) (C) (D) |
| 3 | (A) (B) (●) (D) |
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Q. No. Answer

- | | |
|----|-----------------|
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| 25 | (A) (B) (C) (D) |
| 26 | (A) (B) (C) (D) |
| 27 | (A) (B) (C) (D) |
| 28 | (A) (B) (C) (D) |
| 29 | (A) (B) (C) (D) |
| 30 | (A) (B) (C) (D) |



INTERNATIONAL CATS CONTESTS

COMPETENCE & APTITUDE TESTING SERVICES

FASTEST GROWING CONTESTS IN PAKISTAN



ICATS SCIENCE

CONTEST 2021

Question Booklet GRADE 1 & 2 TODDLERS

Time Allowed: 75 Mins.

Maximum Marks: 60

ICATS SCIENCE CONTEST 2021

TODDLERS (GRADE 1 & 2)

TIME ALLOWED : 75 MINUTES

MAXIMUM MARKS : 60

TOTAL QUESTIONS : 20 MCQS

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Q1. Which property do these four objects have in common?

Tent



Tissue



Socks



Paper



A | slippery

B | bendable

C | sticky

D | bouncy



Q2. Which is the scratchiest?

A



Asphalt road

C



Glass

B



Rubber ball

D



Soap bar

Q3. Which would smell the most?

A



Metal car bumper

C



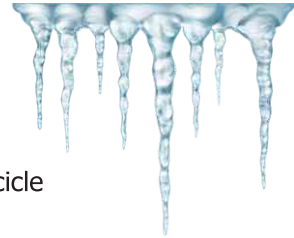
Wood ruler

B

Toothpaste



D



Icicle

Q4. Which material is these steps made of?



A | cardboard

B | concrete

C | wax

D | cotton

Q5. Which materials are this cabinet made of?



A | metal & wood

B | wood & glass

C | wood & rock

D | wood, metal & glass



Q6. Select the living thing

A



Scarecrow

C



Pepper tree

B



Cave

D



Hockey puck

Q7. Is the wind turning a pinwheel a solid, a liquid or a gas?



A | a solid

B | a liquid

C | a gas

D | none of these

Q8. Natural resources are useful things that come directly from nature. Which of these pictures shows a natural resource?

A



soccer balls

C



batteries

B



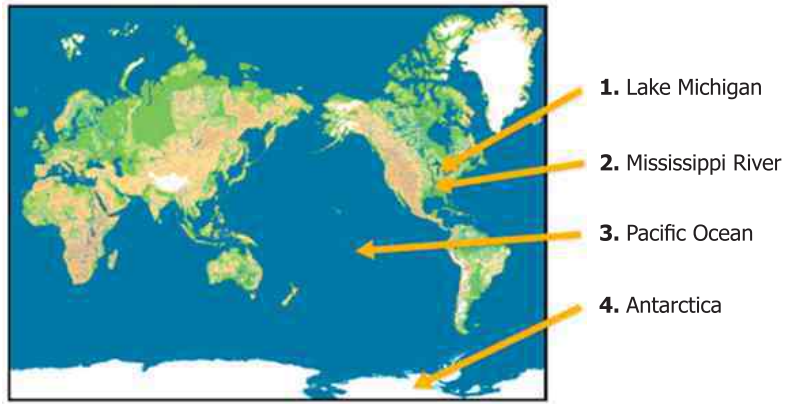
trees

D



light bulbs

Q9. This map uses blue to show liquid water. Which arrow doesn't point to water?



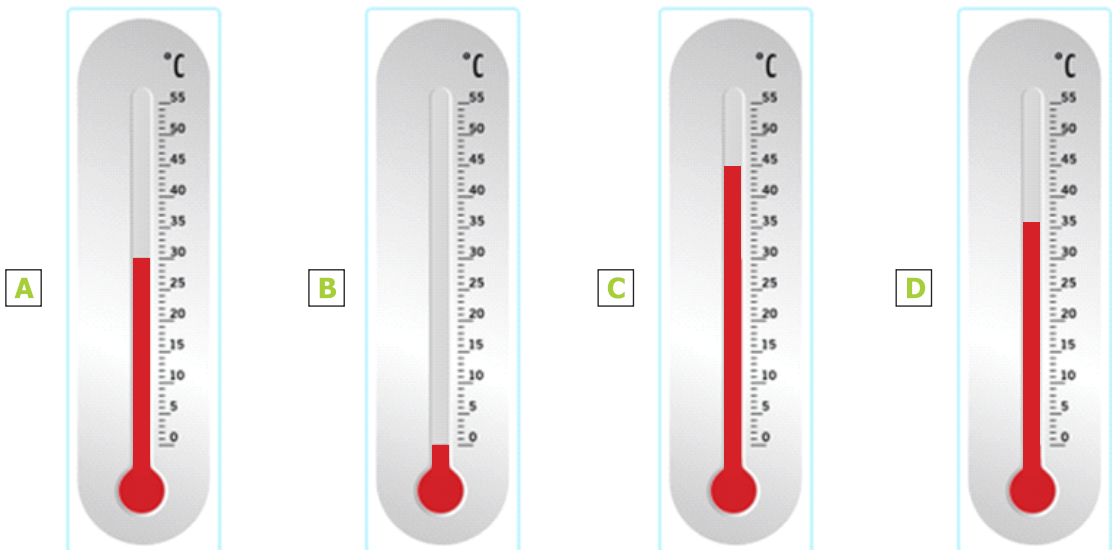
A | 1

B | 2

C | 3

D | 4

Q10. Which thermometer shows the higher temperature?



Q11. Select the brown rock with sharp edges.

A



C



B



D



Q12. Which animal lays eggs?

A



C



B

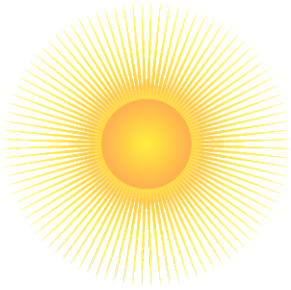


D



Q13. What is Earth's only natural satellite?

A



Sun

C



Venus

B



Mars

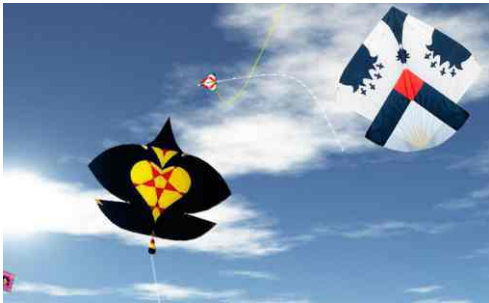
D



Moon



Q14. Look at the pictures given below.



Which common thing they all need?

A | Water

B | Air

C | Sun

D | Thread

Q15. When the Earth is seen from outer space, it looks mainly blue. This is because most the Earth is covered with:



A | ice

B | mountains

C | oceans

D | deserts



Q16. Which of the following is NOT TRUE about pollution?

A | Pollution happens when something harmful is added to the environment.

B | Pollution can cause some plants and animals to get sick or die.

C | People cause pollution.

D | People cannot reduce pollution.

Q17. This picture was taken after an earthquake.



What evidence of an earthquake does this picture show?

A | Some of the houses have broken roofs and walls.

B | There are large cracks in the ground.

C | The houses have windows.

D | The houses have doors.



Q18. Which part of the body helps you move?

A | Eyes

B | Lungs

C | Pancreas

D | Muscles

- Q19.** Birds have feathers, two wings and a beak. A woodpecker is an example of a bird.



Which picture from the following show a bird?

A



Toad

C



Cat

B



Iguana

D



Owl

Q20. This table tells you about two earthquakes that happened in New Zealand. It gives you information about the effects of the earthquakes on the city of Christchurch.

Date	Strength	Focus of the earthquake	Effects on Christchurch
July 15, 2009	very strong	about 330 miles from Christchurch	Some people felt the ground shake. No buildings were damaged.
February 22, 2011	strong	about 3 miles from Christchurch	Most people felt the ground shake. Many buildings fell down.

Select one reason why the earthquake in 2011 had a bigger effect on Christchurch. Use the information in the table to choose your answer.

- A** | It started closer to Christchurch than the other earthquake did.
- B** | It lasted longer than the other earthquake.
- C** | It was stronger than the other earthquake.
- D** | It was weaker than the other earthquake.

ICATS Science Contest 2021 (Toddlers - Grade 1 & 2) **Page 12 of 12**

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 (JAND)
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 (HELMUM 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



INTERNATIONAL
CATS CONTESTS
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FASTEST GROWING CONTESTS IN PAKISTAN

DO NOT WRITE ANYTHING ABOVE THIS LINE

Answer Sheet

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ICATS Science Contest 2021 Grade 1-2

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Example of correctly filled answer. (A) (B) (C) (D) Correct Filling Answer "C"

Q. No. Answer

- | | |
|----|-----------------|
| 1 | (A) (B) (C) (D) |
| 2 | (A) (B) (C) (D) |
| 3 | (A) (B) (C) (D) |
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- | | |
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Q. No. Answer

- | | |
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| 23 | (A) (B) (C) (D) |
| 24 | (A) (B) (C) (D) |
| 25 | (A) (B) (C) (D) |
| 26 | (A) (B) (C) (D) |
| 27 | (A) (B) (C) (D) |
| 28 | (A) (B) (C) (D) |
| 29 | (A) (B) (C) (D) |
| 30 | (A) (B) (C) (D) |

ICATS SCIENCE CONTEST



2022 QUESTION BOOKLET

**GRADE 1 & 2
TODDLERS**

Time Allowed: 75 Mins.
Maximum Marks: 60



INTERNATIONAL
CATS CONTESTS

COMPETENCE & APTITUDE TESTING SERVICES

FASTEST GROWING CONTESTS IN PAKISTAN

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
15. ANY ACADEMIC MISCONDUCT OR MALPRACTICE MUST BE REPORTED TO INTERNATIONAL CATS CONTESTS AT 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 | C The Earth orbits the Sun |
| B The Moon comes out, causing night | 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

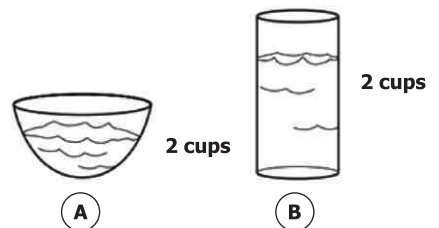
Q12. Two cups of water were placed into each of the open containers. Predict what the water levels will be tomorrow.

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.

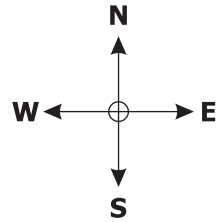
A Weak

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?

A



C



B



D



Q20. Guess the shadow



A



C



B



D



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



INTERNATIONAL
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DO NOT WRITE ANYTHING ABOVE THIS LINE

Answer Sheet

INSTRUCTIONS

- This is a generic answer sheet to be used by participants of all grades. Students of Grade 1-2 will fill in circles of first 20 questions, Grade 3-4 will fill in circles of 25 questions and Grade 5-10 will fill in circles of 30 questions.
- Please recheck your Name, Father Name, Grade and School written below, the same would appear at your certificate. Make all corrections on the Attendance Sheet only.
- Use of lead pencil is not allowed. Use only Black / Blue ink to fill in the circles.

ICATS Science Contest 2022 Grade 1-2

Choose only ONE of the FOUR proposed answers (A, B, C or D) and fill in the circle with your answer.

Example of correctly filled answer. (A) (B) (C) (D) Correct Filling Answer "C"

Q. No. Answer

- 1 (A) (B) (C) (D)
2 (A) (B) (C) (D)
3 (A) (B) (C) (D)
4 (A) (B) (C) (D)
5 (A) (B) (C) (D)
6 (A) (B) (C) (D)
7 (A) (B) (C) (D)
8 (A) (B) (C) (D)
9 (A) (B) (C) (D)
10 (A) (B) (C) (D)

Q. No. Answer

- 11 (A) (B) (C) (D)
12 (A) (B) (C) (D)
13 (A) (B) (C) (D)
14 (A) (B) (C) (D)
15 (A) (B) (C) (D)
16 (A) (B) (C) (D)
17 (A) (B) (C) (D)
18 (A) (B) (C) (D)
19 (A) (B) (C) (D)
20 (A) (B) (C) (D)

Q. No. Answer

- 21 (A) (B) (C) (D)
22 (A) (B) (C) (D)
23 (A) (B) (C) (D)
24 (A) (B) (C) (D)
25 (A) (B) (C) (D)
26 (A) (B) (C) (D)
27 (A) (B) (C) (D)
28 (A) (B) (C) (D)
29 (A) (B) (C) (D)
30 (A) (B) (C) (D)