

FSP SCIENCE CONTEST

2022

QUESTION BOOKLET

GRADE 3 & 4

VIBRANT YOUNGSTERS

TIME ALLOWED: 75 Minutes

MAXIMUM MARKS: 75



FAMOUS STUDENTS PLATFORM

INSTRUCTIONS

- 1) **DON'T START ATTEMPTING THE PAPER UNTIL INSTRUCTED BY THE INVIGILATOR.**
- 2) **INSTRUCTIONS FROM THE EXAMINATION INVIGILATOR 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 IN TO THE ROOM.**
- 10) **THERE ARE FIVE CATEGORIES OF THE CONTEST AS UNDER:**
 - A) VIBRANT YOUNGSTERS (GRADE 1 & 2)
 - B) VIBRANT YOUNGSTERS (GRADE 3 & 4)
 - C) VIBRANT YOUNGSTERS (GRADE 5 & 6)
 - D) VIBRANT YOUNGSTERS (GRADE 7 & 8)
 - E) VIBRANT YOUNGSTERS (GRADE 9 & 10 / 0-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.FSPCOMPETITIONS.ORG**
- 15) **ANY ACADEMIC MISCONDUCT OR MALPRACTICE MUST BE REPORTED TO FSP VIBRANT YOUNGSTERS AT INFO@FSPCOMPETITIONS.ORG**

What is Science?

“Recite thou in the name of thy Lord Who have created - Hath created man from a clot. Recite thou: And thy Lord is the most Bounteous, Who hath taught mankind by the pen.”

Albert Einstein quoted that **“Science without religion is lame”**. Islam has given us a complete picture of science right after the creation of this world. We can observe that about every theory of science belongs to any of the reference given in the Holy Quran and due to this reason many of non- Muslim scientists have embraced Islam.

The word science is basically taken from a Latin word “Scientia”, which means knowledge. Science is about what, why and how things happen. It is the knowledge gained through observations and experimentations. It is a systematic classification of experience. Russell said about science that, “Even if the open windows of science at first make us shiver...in the end, the fresh air brings vigor, and the great spaces have a splendor of their own” .So, simply you can say that the science of today is the technology of tomorrow. It is the system of knowledge that is concerned with the physical world and its phenomena and that entails unbiased observations and systematic experimentation.

In school, Science seems like a collection of isolated and static facts listed in a textbook, but that's only a small part of the story. Science is a way of discovering what's in the universe and how those things work today, how they worked in the past, and how they are likely to work in the future. It is continually refining and expanding our knowledge of the universe. It will never be finished. At the end I will simply add the quote of A.P.J Abdul Kalam, **“Science is a beautiful gift to humanity: we should not distort it”**.

**By: Ms. Shajeela Naz
Coordinator
Banjosa Valley Public School, AJK**



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Future Scientist

Assalamu Alaikum,

My name is Mussarat Jabeen and I have been serving UCS for 7years. My topic for the article is "Future Scientist". Our world has been in process of evolution since its inception but from last century we have witnessed a remarkable progress in the field of science. In my opinion, the current century would be a game changer and we are to be spectators of wonders from all scientific fields. Undoubtedly, It is the fastest growing industry in the coming years because the whole world has been caught by technology (which is the application of science).

Every facet of human being is some how connected with science in a way. Science and technology make us to think differently, feel differently and even to dream differently. Taking science as future profession is the most trendy, interesting as well as advantageous profession. New tools enable new structure of knowledge and new ways of discovery. It also helps organize our daily activities, helps us to know better about the universe and understand other cultures and societies.

Science helps building knowledge about the universe, constructing new ideas, illuminating the world around us and to become increasingly confident. Cited above are a few benefits to be a scientist so in my point of view, this is the most captivating profession with a wider scope, to be chosen by a student as future profession.

Regards

Ms. Mussarat Jabeen
Science Coordinator UCS, Faisalabad.



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Q.1) How long is a potato? Select the best estimate.

- A** 19 millimeters **B** 19 centimeters **C** 19 meters **D** 19 kilometers



Q.2) All living things need _____ to live.

- A** Food **B** Light **C** Bed **D** Book



Q.3) Which of the following do not move?

- A** Chair **B** Man **C** Woman **D** Dog



Q.4) Birds' bodies are shaped like?

- A** Aeroplane **B** Train **C** Car **D** Motorbike



Q.5) The picture below 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.

Q.6) Which property matches this object?



Select the best answer.

A Yellow

B Scratchy

C Bouncy

D Stretchy



Q.7) 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



Q.8) Which of these pictures shows a natural resource?

A



Football

B



Mushroom

C



Cookies

D



Camera

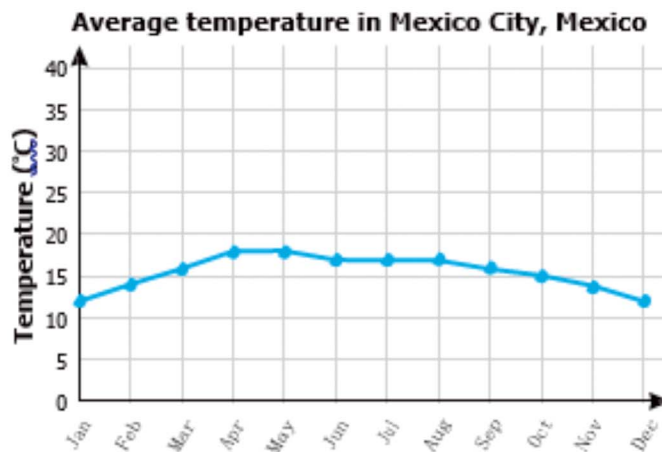
Q.9) Which material is these soccer shorts made of?



- A** Wood **B** Ceramic **C** Polyester **D** Concrete



Q.10) Use the graph to answer the question below.



- A** April & May **B** October & November **C** June & July **D** July & August



Q.11) 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.

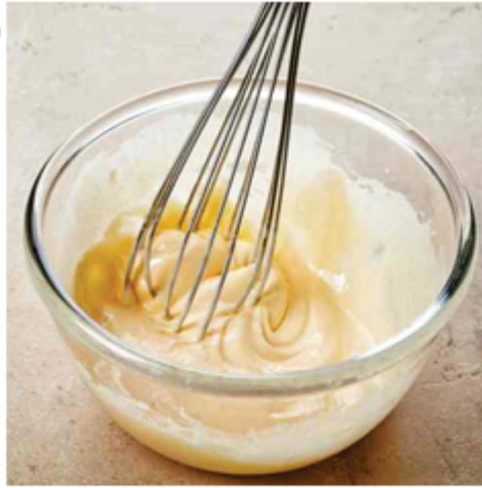
Complete the sentence.

Liquid water becomes ice when it _____.

- A** Boils
B Melts
C Freezes
D All of the Above



Q.12) Is cake batter a solid, a liquid or a gas?



- A** A Solid **B** A Liquid **C** A Gas **D** None of these



Q.13) After Ella is a teenager, she will stop growing. Ella will be a/an _____.

- A** Child **B** Infant **C** Junior **D** Adult



Q.14) How do you feel if you do not get food for a long time?

- A** Weak **B** Sleepy **C** Tired **D** None of these



Q.15) 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

Q.16) We can use water for:

- A** Making drinks **B** Cooking **C** Washing **D** All of these



Q.17) Which of the following prepares its own food?

- A** Plant **B** Dog **C** Cat **D** Man



Q.18) How long is a paintbrush? Select the best estimate?

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



Q.19) 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 is 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.



Q.20) How can people harm natural resources?

- A** They can waste them
B They can protect them
C They can reuse them
D They can save them

Q.21) Which property do these four objects have in common?



popcorn



corn on the cob



pretzel



pineapple

- A** Blue **B** Bumpy **C** Slippery **D** Translucent



Q.22) 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



Q.23) 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

Q.24) Below are three examples of using energy from natural resources. Select the use of energy that did not add to air pollution.

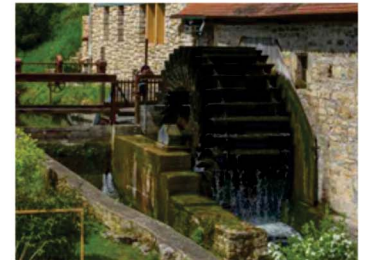
A A large power plant burned coal to generate electricity. Over the course of one year, the power plant burned 11 million tons of coal.



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, waterweels 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.



Q.25) 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.



BEST OF LUCK!



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 & Grade 5-10 will fill in circles of 30 questions.
- Please recheck your Name, Father Name, Garde & School written below, the same would appear at your certificate.
- Use of lead pencil is not allowed.
- Use only Black / Blue ink to fill in the circles.

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

Example of correctly filled table of answers.

(A) (B) ● (D)	Correct Filling Answer "C"	(A) (B) ⊗ (D)	wrong filling	(A) (B) ■ (D)	wrong filling
(A) (B) ⊕ (D)	wrong filling	(A) (B) ● (C) (D)	wrong filling		

Q. No.	Answer			
1	(A)	●	(C)	(D)
2	●	(B)	(C)	(D)
3	●	(B)	(C)	(D)
4	●	(B)	(C)	(D)
5	(A)	(B)	(C)	●
6	●	(B)	(C)	(D)
7	(A)	●	(C)	(D)
8	(A)	●	(C)	(D)
9	(A)	(B)	●	(D)
10	●	(B)	(C)	(D)
11	(A)	(B)	●	(D)
12	(A)	●	(C)	(D)
13	(A)	(B)	(C)	●
14	●	(B)	(C)	(D)
15	●	(B)	(C)	(D)

Q. No.	Answer			
16	(A)	(B)	(C)	●
17	●	(B)	(C)	(D)
18	●	(B)	(C)	(D)
19	(A)	(B)	●	(D)
20	●	(B)	(C)	(D)
21	(A)	●	(C)	(D)
22	●	(B)	(C)	(D)
23	(A)	(B)	(C)	●
24	(A)	(B)	●	(D)
25	(A)	(B)	●	(D)

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FSP MC (VOL-7) 2022

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Congratulations



FAMOUS STUDENTS PLATFORM

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