

2020 BISHOP GARRIGAN QUIZ BOWL TOURNAMENT

GAME 5 10:40 – OCTOBER 10

TOSS-UP ROUND

Question 1

In June 2020 it was found that people with a certain blood type had a significantly lower risk of being infected with COVID-19. For ten points, of the four main blood types, which has the lowest risk.

ANSWER: O

(NOTE: People with Type A blood had the highest risk for COVID-19.)

Question 2

This substance has been banned from use during warfare by the International Chemical Weapons Convention. However, many American police departments used it in response to the protests that broke out in summer 2020. President Trump ordered that the substance be used to clear the area by a church where he posed with a Bible. For ten points, name this substance.

ANSWER: tear gas OR lachrymator agents OR pepper spray

Question 3

Hattie McDaniel was the first black person to win an Academy Award. For ten points, McDaniel won Best Supporting Actress at the 1940 Academy Awards for playing a slave in what motion picture?

ANSWER: *Gone with the Wind*

Question 4

This country has the largest royal family on earth, with more than 4,000 princes and more than 30,000 other royalty. Legally the country is an absolute Islamic monarchy, and it is currently headed by King Salman. For ten points, name this country.

ANSWER: Saudi Arabia

Question 5

This number is defined as the limit of fractions formed by consecutive numbers in the Fibonacci sequence. It is an irrational number that is approximately equal to 1.6. It has been used extensively in art and construction and can also be found in nature. For ten points, name this number.

ANSWER: the **Golden Ratio OR phi (ϕ)**

Question 6

For ten points, the first woman to appear on a United States coin was what queen who had no direct association with the history of our country?

ANSWER: **Isabella**

Question 7

As recently as 1950 this city had only 100,000 people. Today it has 1.7 million people in the city proper and a metro area of nearly 5 million. It is the fifth largest city in the United States and the largest state capital in America. For ten points, name this fast-growing city that has been called "the least sustainable place on earth".

ANSWER: **Phoenix**

Question 8

His first book was *James and the Giant Peach*, and he has written humorous poetic versions of *Cinderella* and *Little Red Riding Hood*. For ten points, name this British author who also wrote *Chitty, Chitty, Bang, Bang* and *Charlie and the Chocolate Factory*.

ANSWER: **Roald Dahl**

Question 9

For ten points, the last letter of the Greek alphabet is used to represent what S.I. unit of electrical resistance?

ANSWER: **ohm**

Question 10

For ten points, the chrysanthemum is the botanical symbol of the royal family of what Asian country?

ANSWER: **Japan**

Question 11

The busiest airport in Africa uses the international abbreviation J – N – B. For ten points, what city is served by the O. R. Tambo International Airport?

ANSWER: Johannesburg

Question 12

Three men with the last name “Johnson” have served as Vice President of the United States. For ten points, name any two of the three Presidents under whom men named Johnson served.

**ANSWER: Martin Van Buren, Abraham Lincoln, John Kennedy OR JFK
(need 2 for a correct answer)**

Question 13

For ten points, would a sheep normally be described as a carnivore, and herbivore, or an omnivore?

ANSWER: herbivore

Question 14

Gilbert Stuart’s most famous work of art is called *The Athenaeum* (ath-uh-NEE-um), and the original of this portrait hangs in the Boston Museum of Fine Arts. The painting has been reproduced more often than any other work of art in history. For ten points, where would you be most likely to see a reproduction of *The Athenaeum*?

ANSWER: on a dollar bill
(This is the portrait of George Washington.)

Question 15

The children’s author Dr. Seuss had a vanity license plate for much of his adult life. For ten points, this license plate had six letters and spelled the name of what famous character created by Dr. Seuss?

ANSWER: GRINCH

Question 16

In the past thousand years, one-third of all the lava that has erupted on Earth has been in a single modern-day country. For ten points, name the most volcanically active country on earth.

ANSWER: Iceland

Question 17

This company was founded in Two Harbors, Minnesota in 1902, and the first product they sold was sandpaper. Today they are one of the largest multinational companies on earth. Among their 30,000 products are X-ray film, reflectors, cleaning supplies, computer storage media, and—their best known division—office supplies. For ten points, name this company whose trademarks include Post-It® and Scotch®.

ANSWER: 3M OR Minnesota Mining and Manufacturing

Question 18

For ten points, the fastest land animal is used as the mascot for what Frito-Lay snack?

ANSWER: Cheetos

Question 19

For ten points, how many cups are there in a U.S. gallon?

ANSWER: 16

Question 20

This Middle Eastern city markets itself as a tourist destination, but many organizations urge solo female travelers to stay away from there. There have been several reports of women from Europe and the North America being arrested in the city after they had reported rapes, because Islamic law forbids women from having sex outside of marriage. For ten points, name this city in the United Arab Emirates.

ANSWER: Dubai

Question 21

Consider these dinosaurs: tyrannosaurus rex, brachiosaurus, stegosaurus, and triceratops. For ten points, which of these dinosaurs was not a herbivore?

ANSWER: tyrannosaurus rex

Question 22

Also called parotitis (PAIR-uh-TITE-us), this highly contagious infection is one of three diseases prevented by the MMR vaccine. If left untreated it can cause meningitis, inflammation of the heart, deafness, and infertility. For ten points, give the common name of this disease whose best-known symptom is painful swelling of the salivary glands.

ANSWER: mumps

Question 23

For ten points, which of the main parts of an atom has a negative charge?

ANSWER: electron

Question 24

Because of postponements due to COVID-19, the Triple Crown of horse racing was run in a different order in 2020. For ten points, which Triple Crown race was run first?

ANSWER: Belmont Stakes

Question 25

While people often refer to United States currency as “dead Presidents”, two of the people who currently appear on American banknotes never served as President of the United States. For ten points, name both of those men.

ANSWER: Alexander Hamilton AND Benjamin Franklin

(Continue to the bonus round.)

BONUS ROUND

(Each correctly answered toss-up earns the team the right to answer the corresponding bonus.)

Toss-Up 26

He was the first African-American student at Iowa State University, and later he became that school's first black professor. He is best known, though, for the work he did as a professor of agriculture at Tuskegee Institute in Alabama. For ten points, name this man who is credited with more than 300 inventions to use common agricultural products.

ANSWER: George Washington **Carver**

Bonus 26

For five points each, answer these questions about George Washington Carver

Part 1

Before transferring to Iowa State, Carver studied art at what private college in Indianola, Iowa?

ANSWER: **Simpson** College

Part 2

The majority of Carver's inventions were intended turn what plant into a cash crop that could replace cotton as a source of income for southern farmers?

ANSWER: **peanut(s)**

Part 3

The second largest number of Carver's experiments were with what other crop that is commonly produced in both the Midwest and the South and is the largest source of protein for vegans.

ANSWER: **soybean(s)**

Part 4

President Franklin Roosevelt received massages developed by Carver for the treatment of what disease?

ANSWER: **polio**

Part 5

While Carver was responsible for many inventions, peanut butter was not among them. Peanut spreads were used by the Inca around 950 B.C., and the first American patent for peanut butter was granted in 1895 to what man who is better known for cereal?

ANSWER: John **Kellogg**

Toss-Up 27

Two answers are required for this question. Among the most popular undergraduate college majors are communications, art & design, engineering, business, and psychology. For ten points, according to research done on the income earned by college graduates, which of these majors offers the best and worst return on investment?

ANSWER: engineering is best; psychology is worst

Bonus 27

According to research done in 2019 by *World Population Review*, the seven happiest states in America include two that border the Pacific Ocean, two that border the Atlantic Ocean, two in the Rocky Mountains, and one in the Midwest. For five points each, name up to five of the seven happiest states in America.

ANSWER: Hawaii (5 points each for up to 5 correct answers)

Utah

Minnesota

California

New Jersey

Idaho

Massachusetts

Toss-Up 28

This building is so large that the post office has assigned it six different five-digit ZIP-codes. The building is physically located in Arlington, Virginia, but its postal address is in Washington, D.C. For ten points, what U.S. government office building takes its name from its geometric shape?

ANSWER: Pentagon

Bonus 28

For five points each, answer these questions about other buildings that have their own ZIP codes.

Part 1

In what city would you find the Merchandise Mart, with ZIP code 60654?

ANSWER: Chicago

Part 2

The other Chicago building with its own ZIP code has code 60606. What is the current name of this skyscraper?

ANSWER: Willis Tower

Part 3

Since 1963, one year after it opened, what baseball park has had the ZIP code 90090?

ANSWER: Dodger Stadium

Part 4

What building that now has ZIP code 20500 receives more mail than any other residential address in America?

ANSWER: White House

Part 5

This building, with ZIP code 10118, was the tallest building in the world in the mid 20th Century.

ANSWER: Empire State Building

Toss-Up 29

While the spelling is different, for ten points, what character on *The Simpsons* takes his name from the middle name of President Richard Nixon?

ANSWER: Milhouse Van Houten

Bonus 29

For five points each, identify these figures in world history who lived before the year 1600.

Part 1

Roman slave who led an insurrection against Rome in the 1st Century B.C.

ANSWER: Spartacus

Part 2

Norman king who defeated English forces at the Battle of Hastings in 1066

ANSWER: William the Conqueror

Part 3

Spanish explorer known for conquering the Aztecs

ANSWER: Hernan Cortes

Part 4

Sometimes called the Father of Europe, he was the first emperor of the Holy Roman Empire

ANSWER: Charlemagne OR Charles the Great OR Charles I

Part 5

Carthaginian general who led an army supported by elephants across the Alps to conquer Rome

ANSWER: Hannibal

Toss-Up 30

This airline does not use a traditional hub and spoke system, but instead flies direct flights between dozens of cities. For ten points, name this Dallas-based airline that in 2018 became the largest domestic carrier in the United States.

ANSWER: Southwest Airlines

Bonus 30

For five points each, identify these U.S. states, given the states that they border.

Part 1

It borders Missouri, Kansas, Colorado, Wyoming, South Dakota, and Iowa

ANSWER: Nebraska

Part 2

Its only domestic border is with New Hampshire

ANSWER: Maine

Part 3

It borders Alabama and Georgia.

ANSWER: Florida

Part 4

It borders Idaho, Nevada, California, and Washington.

ANSWER: Oregon

Part 5

It borders Illinois, Indiana, Ohio, West Virginia, Virginia, Tennessee, and Missouri

ANSWER: Kentucky

Toss-Up 31

For ten points, what alliterative phrase describes a goal scored by a hockey team while an opposing player is in the penalty box?

ANSWER: power play

Bonus 31

For five points each, identify these layers of Earth's atmosphere.

Part 1

The lowest level of the atmosphere, where all weather occurs, extends upward to about 10 kilometers above the surface of the earth.

ANSWER: troposphere

Part 2

Its name comes from the Greek for "middle", and the average temperature in this layer about 145° below zero Celsius.

ANSWER: mesosphere

Part 3

Between the troposphere and the mesosphere is this layer where jet airplanes typically fly.

ANSWER: stratosphere

Part 4

This layer extends from 80 to 1000 kilometers above the earth. It is named for the charged particles it contains and is noteworthy for reflecting radio waves back to earth.

ANSWER: ionosphere

Part 5

Part of the ionosphere is this layer that takes its name from the Greek word for "heat". The layer absorbs solar energy and helps to insulate the earth.

ANSWER: thermosphere

Toss-Up 32

For ten points, what is the cosine of the sine of zero?

ANSWER: 1

Bonus 32

For five points each, answer these questions about the ten plagues of Egypt described in the Book of Exodus.

Part 1

The first plague was changing the water of the Nile into what substance?

ANSWER: blood

Part 2

The second plague was making the country teem with what amphibian?

ANSWER: frog(s)

Part 3

The eighth plague refers to swarms of what type of insect?

ANSWER: locust(s) OR grasshopper(s)

Part 4

The ninth plague brought what to Egypt over a three-day period?

ANSWER: darkness OR day turned to night (accept similar answers)

Part 5

In the tenth plague, who was to die?

ANSWER: firstborn son (of each family in Egypt)

(Continue to the lightning round.)

LIGHTNING ROUND CATEGORIES

The lightning round subjects are:

- "X" Marks the Spot
- The Great Lakes
- Cable TV

LIGHTNING ROUND

CATEGORY A: "X" Marks the Spot

I will give the number of letters and a definition for ten words that begin with the letter "X". For ten points each, you give those words. For example, if I said "5 letters – the growth of a plant after pollen fertilization", you would say "xenia (ZEE-nee-uh)".

NOTE: Pronunciations do not need to be exact, but the words should be correct.

Question 1

2 letters – the 14th letter of the Greek alphabet

ANSWER: xi (ZIGH or ZEE)

Question 2

6 letters – flammable liquid derived from benzene

ANSWER: xylene (ZIGH-lene)

Question 3

7 letters – an alcohol used as a sugar substitute

ANSWER: xylitol (ZIGH-luh-toll)

Question 4

9 letters – percussion instrument with a row of wooden bars

ANSWER: xylophone (ZIGH-luh-fone)

Question 5

4 letters – a covered walkway lined with trees

ANSWER: xyst (ZIST)

Question 6

5 letters – vascular tissue of plants

ANSWER: xylem (ZIGH-lum)

Question 7

5 letters – element with atomic number 54

ANSWER: xenon (ZEE-non)

Question 8

11 letters – the yellow pigment that colors egg yolks

ANSWER: xanthophyll (ZANTH-uh-fill)

Question 9

10 letters – having a prejudice against foreigners

ANSWER: xenophobic OR xenophobia

Question 10

8 letters – a fruit, like a coconut, with a woody exterior

ANSWER: xylocarp (ZIGH-luh-carp)

LIGHTNING ROUND

CATEGORY B: The Great Lakes

I will name ten North American cities. For ten points each, you tell me which of the five Great Lakes each city has a shoreline on. For example, if I said “Chicago, Illinois”, you would say “Lake Michigan”. Answers will be used more than once.

Question 1

Duluth, Minnesota

ANSWER: Lake **Superior**

Question 2

Toronto, Ontario

ANSWER: Lake **Ontario**

Question 3

Cleveland, Ohio

ANSWER: Lake **Erie**

Question 4

Thunder Bay, Ontario

ANSWER: Lake **Superior**

Question 5

Rochester, New York

ANSWER: Lake **Ontario**

Question 6

Milwaukee, Wisconsin

ANSWER: Lake **Michigan**

Question 7

Sarnia, Ontario

ANSWER: Lake **Huron**

Question 8

Buffalo, New York

ANSWER: Lake **Erie**

Question 9

Gary, Indiana

ANSWER: Lake **Michigan**

Question 10

Muskegon, Michigan

ANSWER: Lake **Michigan**

LIGHTNING ROUND

CATEGORY C: Cable TV

I will name two shows that are on each of the ten top-rated cable networks in America. For ten points each, you identify the networks. For example, if I said “*Drop the Mic* and *The NBA on TNT*”, you would say “TNT”, which happens to be the eleventh highest-rated cable network.

Question 1

Alaskan Bush People and *Salvage Hunters*

ANSWER: Discovery

Question 2

Conan O’Brien and *American Dad*

ANSWER: TBS OR Turner

Question 3

Little People, Big World and *Dr. Pimple Popper*

ANSWER: TLC OR Learning Channel

Question 4

American Pickers and *Ice Road Truckers*

ANSWER: History Channel

Question 5

Good Witch and *Home and Family*

ANSWER: Hallmark Channel

Question 6

American Ninja Warrior: Ninja vs. Ninja and *WWE Raw*

ANSWER: USA Network

Question 7

House Hunters and *Love It or List It*

ANSWER: HGTV OR House & Garden

Question 8

Sportscenter and *NBA Countdown*

ANSWER: ESPN

Question 9

The Rachel Maddow Show and *Morning Joe*

ANSWER: MSNBC

Question10

The Ingraham Angle and *Hannity*

ANSWER: Fox News