

ROUND_7_TOSSUPS

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Beaver Bonspiel IV

Round 7

Questions by Williams Investment Bankers

Tossups

TOSSUP 1

The heterozygous genotype for this inherited condition provides protection against tuberculosis. However, in its homozygous form, it causes an early death due to the uncontrolled accumulation of lipids in the cells. FTP name this genetic disorder commonly associated with Ashkenazic Jews.

ANSWER: _TAY-SACHS_ Disease

TOSSUP 2

Tracks on the soon-to-be released second volume soundtrack album include the Habanera from Carmen, David Bowie's "Golden Years," Joy Division's "Atmosphere," Goldie's "Inner City Life," Iggy Pop's "Nightclubbing," and PF Project's "Choose Life." FTP, name this hit film, whose first soundtrack volume included Underworld's "Born Slippy" and Iggy Pop's "Lust for Life," and which starred Ewan McGregor.

ANSWER: _TRAINSPOTTING_

TOSSUP 3

Drinking the anion of this element mixed with water can cause a mottling or irregular browning of the teeth. This element was named by Ampere in 1811 and isolated by Moissan in 1866. FTP, name this element with atomic number 9 which at 1 part per billion can cause a substantial reduction in cavities.

ANSWER: _FLOURINE_

TOSSUP 4

Unlike the more common members of its kingdom, the cell walls of this form of life lack peptidoglycan. In fact, these unicellular organisms diverged from all other forms of life so long ago that scientists have considered making them a kingdom unto themselves. FTP name this member of the Monera kingdom found living in the extremely hot water at the openings of deep-sea vents.

ANSWER: _ARCHAEBACTERIA_

TOSSUP 5

His last words said of death: "I shall tell her a story and she will

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be kind to me." He probably had plenty of stories to tell, considering that he wrote his first play, *Henri III et Sa Cours*, 50 years earlier. FTP, name this frenchman, the author of the *Count of Monte Cristo*.

ANSWER: Alexandre DUMAS, PERE_
(prompt if only Dumas is given)

TOSSUP 6

Written in 1884, this "romance of many dimensions" describes the adventures of A. Square, a mathematician and quadrilateral, and the history of his two-dimensional realm. FTP, name this work by Edwin Abbott, in which the protagonist visits Spaceland, Lineland, and Pointland.

ANSWER: FLATLAND

TOSSUP 7

He shares the PGA tour record for consecutive birdies with eight, and has won two majors: the 1984 U.S. Open and the 1979 Masters, where he became at the time only the third golfer to win the green jacket on his first attempt. FTP, name this pro golfer with a cute nickname, now much better known for questionable comments he made about another first-attempt Masters winner, Tiger Woods.

ANSWER: Frank Urban (Fuzzy) ZOELLER (ZEHL-ur)

TOSSUP 8

Born in Vitebsk^{eh} in 1887, he became that city's Commissar of Fine Arts in 1917, after disagreements with the authorities he left the Soviet Union in 1923. His work, which centers around Russian-Jewish life in pre-Communist Russia, can be seen at the Knesset, New York's Metropolitan Opera, and the Paris Opera. FTP, name this artist, whose works include "Der Gegenspieler" and "I and the Village."

ANSWER: Marc CHAGALL

TOSSUP 9

Born Tommaso di Ser Giovanni di Mone, he was the first of the great masters from 15th-Century Florence. His first major work, the Pisa Polyptych, is now mainly lost, but the surviving portions clearly show his break from the International Gothic style. FTP, name this painter, best known for the frescos in the Brancacci Chapel, who's nickname translates to "Hulking Tom."

ANSWER: MASACCIO

TOSSUP 10

Born in 1583, this Dutchman wrote such works as the Law of Prize and Booty, Freedom of the Seas, and Law of War and Peace. In these he called for a set of laws or rules, drawn from reason and "natural law," that would be accepted by states as binding. FTP, name this philosoper, commonly known as "the father of international law."

ANSWER: Hugo _GROTIUS_

TOSSUP 11

The only famous show ever to originate on the defunct DuMont network, it started out as a sketch on "Cavalcade of Stars," then became the regular closing segment on its star's eponymous variety show. However, most viewers are familiar only with its 1955-56 episodes, the only season in which it aired as a self-contained program. FTP, name this comedy starring Joyce Randolph, Audrey Meadows, Art Carney, and Jackie Gleason.

ANSWER: "The HONEYMOONERS"

TOSSUP 12

Gerhard Kremer was a Flemish geographer who lived from 1512 to 1594, and when he invented a new kind of map in which the lines of latitude and longitude were perpendicular to each other, he named it after himself. Rather than giving it his actual name, however, he latinized the meaning of "Kremer", which he translated as "shopkeeper" or "merchant." FTP, name the map type.

ANSWER: _MERCATOR_ projection

TOSSUP 13

It has been called the lowest form of wit, although its technical name, "paronomasia", sounds a bit more dignified. Some of its more notable practitioners include William Shakespeare, Bennet Cerf, Groucho Marx, and Lewis Carroll. If you get the point, you'll get nine more by naming this figure of speech.

ANSWER: _PUN_

TOSSUP 14

The Beggar Maid...The Flower...The Eagle...The Brook's Song...The Reconciliation...The Lotus Eaters...Crossing the Bar...Ulysses...Locksley Hall...The Lady of Shalott...The Idylls of the King...The Charge of the Light Brigade.... All these were written by, for 10 points, what Victorian poet?

ANSWER: Alfred, Lord _TENNYSON_

TOSSUP 15

Drawn from the philosophical principles of Objectivism, this novel describes the consequences of a strike by industrialists and other men of talent. It is centered around a woman, Dagny Taggart, and her struggle to save the railroad she runs. FTP, name this Ayn Rand work, which begins with the question "Who is John Galt?"

ANSWER: _ATLAS SHRUGGED_

TOSSUP 16

Previously a Union officer in the Civil War and a Professor of Classics, this Ohio politician was perhaps the first victim of a deranged postal worker. FTP, name this man who had been denied a job in the Postal Service, as well as the ambassadorship to France, but was assassinated by Charles Guiteau when president?

ANSWER: James B _GARFIELD_

TOSSUP 17

His first major work, the Sheldonian Theatre at Oxford, was intended to combine elements of Roman architecture with the empirical principles of his day. Later, as the King's Surveyor of Works, he supervised the rebuilding of London after the Great Fire, initiating the design of 51 new churches. FTP name this English mathematician and architect, best known for designing St. Paul's Cathedral in London.

ANSWER: Sir Christopher _WREN_

TOSSUP 18

Born in 1797, this Italian opera composer first established himself with 1822's Zoraide di Grenata. 1830's Anna Bolena won him commissions from Italy's major opera houses. In order to pass muster with the Italian censors, he often wrote about English subjects, particularly the Tudors, as they dealt with Protestant, rather than Catholic, kings and queens. FTP, name this composer who composed Lucia di Lammermoor.

ANSWER: Gaetano Domenico Maria _DONIZETTI_

TOSSUP 19

The namesake of a mountain range in Papua New Guinea, this statesman was the architect of the industrial Europe's first social welfare system. However, these actions were designed primarily to undercut his enemies in the Social Democratic party. FTP name this politician who stated in 1862, "The great questions of the time are decided not

by speeches and majority decisions, but by blood and iron?"

ANSWER: Otto von BISMARCK

TOSSUP 20

The major league record for highest batting average by a pitcher is .433, held by the same man who holds the shutout record of 110, and pitched four scoreless extra innings to allow his hapless Washington Senators to win the 1924 World Series? FTP, name this hurler, nicknamed "the Big Train"

ANSWER: Walter JOHNSON

TOSSUP 21

Born in 1215, he rose to prominence when he subdued the southern Chinese kingdom of Ta-Li. After succeeding his brother Mongke to the throne in 1259, he destroyed the remnants of the Sung dynasty, and attempted to invade Japan. FTP, name this Mongol ruler, who entertained Marco Polo.

ANSWER: KHUBILAI Khan

TOSSUP 22

Species A tastes very bad. Species B and Species C look like Species A, but they also taste bad. FTP, name this biological phenomenon, typical of "rings" of butterfly species in South America.

ANSWER: MEULLERIAN MIMICRY

TOSSUP 23

Two molecules each of numbers 2A, 2B, 3, and 4 form a core around which DNA is wound, while number one fits on the outside of the DNA, clamping it to the core. FTP, what is this class of protein, vital to chromosome structure?

ANSWER: HISTONE

TOSSUP 24

This stereotypical absent-minded professor once stumbled into an open well while star-gazing. One of "the seven wise men of antiquity, he successfully predicted the solar eclipse of 585 BCE, and he is commonly named as the father of demonstrative mathematics. FTP, name this contemporary of Solon who proved that vertical angles are equal.

ANSWER: THALES (THEH-leez) of Miletus

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BONUSES

All bonuses are worth 30 points.

BONUS 1

The US Military Academy is located in West Point New York, and the Naval academy is at Annapolis Maryland. For ten points each given a U.S. service academy, tell where, city and state, it is located.

1) U.S. Air Force Academy

ANSWER: _COLORADO SPRINGS, COLORADO_

2) U.S. Coast Guard Academy

ANSWER: _NEW LONDON, CONNECTICUT_

3) U.S. Merchant Marine Academy

ANSWER: _KINGS POINT, NEW YORK_

BONUS 2

Name the well-known poem from the lines, 30-20-10.

30 - "Ah happy, happy boughs! that cannot shed
Your leaves, nor ever bid the spring adieu"

20 - "Heard melodies are sweet, but those unheard
Are sweeter; therefore, ye soft pipes, play on."

10 - "'Beauty is truth, truth beauty'- that is all
Ye know on earth, and all ye need to know."

ANSWER: _ODE ON A GRECIAN URN_ (by Keats)

BONUS 3

How well do you know, in a non-Biblical sense, your English monarchs? There will probably never be another King Egbert, but you'll get 5 points for each of the four most common names of English kings, and a ten point bonus for getting them in order.

ANSWER: _EDWARD_ and _HENRY_ (tied with 8 each), _GEORGE_ (6), and
WILLIAM (4)

BONUS 4

Name the football player of yore from the clues provided, 30-20-10:

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30: Born in 1903, he attended the University of Illinois, where he was a three-time All-American and ran for over 3600 yards.

20: In the NFL, he helped the Chicago Bears win 3 division titles and an NFL championship in three years.

10: He was nicknamed "the Galloping Ghost."

ANSWER: Harold Red _GRANGE_

BONUS 5

In an election year, states like California and Florida with big chunks of electoral votes are fiercely contested. Some states, though, are more or less irrelevant. For 5 points each, name any 6 of the 7 states with the minimum possible 3 electoral votes.

ANSWER: _ALASKA_, _DELAWARE_, _WYOMING_, _VERMONT_,
NORTH DAKOTA, _SOUTH DAKOTA_, _MONTANA_

BONUS 6

Name the animal phylum from a brief description for the stated number of points.

1) First, for 5 points, it is characterized by a headfoot, and includes gastropods, bivalves, and cephalopods.

MOLLUSCA or _MOLLUSK_s

2) Next, for 10, it features segmentation and a subdivided body cavity, and includes earthworms and leeches.

ANNELIDA or _ANNELID_s

3) Finally, for 15, members of this phylum are benthic and have shells with two non-symmetrical valves and a feeding apparatus called a lophophore. Few exist today, but they are very prominent in the fossil record.

BRACHIOPODA or _BRACHIOPOD_s

BONUS 7

A popular thing to do to famous people throughout history has been to dismember their corpses. In this spirit, name the individual, FTPE, from the information about his removed body part.

1) One of his fingers is kept in the Museum of Natural History in Florence, Italy, pointing toward the sky

ANSWER: _GALILEO_ Galilei

2) His brain, appropriately enough, is on display in the Musee de l'Homme in Paris.

ANSWER: Paul _BROCA_ (founder of modern brain surgery)

3) This Nobel laureate's brain was cut up in 1955 and sent to numerous destinations in the U.S.

ANSWER: Albert _EINSTEIN_

BONUS 8

Identify the man, 30, 20, 10

30- While in India, he led the British army which defeated the Sultan Tippoo at the Battle of Seringapatam in 1792.

20- He gained his fame by defeating one French marshal after another in the Peninsular War in Spain.

10- Of his victory in Belgium he said, "Nothing except a battle lost can be half so melancholy as battle won."

ANSWER: Arthur _WELLESLEY_ (accept: Duke of _WELLINGTON_)

BONUS 9

The Supremes may have sung the verse "Love Child/ always second best," but some illegitimate children have gone on to achieve fame and fortune. Identify these famous bastards, 10 points each.

1) What famous bastard was crowned King of England on Christmas Day, 1066?

ANSWER: _WILLIAM_ the _CONQUERER_

2) What French Romantic artist, the bastard son of Talleyrand, painted "Liberty Leading the People", after the Revolution of 1830?

ANSWER: Eugene _DELACROIX_

3) What bastard son of a British industrialist bequeathed his entire fortune to found an American institute for the advancement of science?

ANSWER: James _SMITHSON_

BONUS 10

Name the composer from the works on a 30-20-10 basis.

30. Judas Maccabeus Suite, Almira

20. Music for the Royal Fireworks, Water Music

10. Messiah

ANSWER: George Frideric HANDEL

BONUS 11

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Name the character who Peter O'Toole played in each of these movies for ten points each.

1) The Last Emperor

ANSWER: Reginald _JOHNSON_

2) King Ralph

ANSWER: _WILLINGHAM_

3) The Lion In Winter

ANSWER: _HENRY II_ (Henry Plantagenet)

BONUS 12

Given the war, name the treaty that ended it (10 pts each)

1) War of the Austrian Succession

ANSWER: Treaty of _AIX-LA-CHAPPELLE_

2) The Great Northern War

ANSWER: Treaty of _NYSTADT_

3) The War of the League of Schmalkalden

ANSWER: Peace of _AUGSBURG_

BONUS 13

30-20-10, name the author from his works.

30) Captain Stormfield's Visit to Heaven

(20) Roughing It

(10) Pudd'n'head Wilson

ANSWER: Mark _TWAIN_ (also accept Samuel Langhorn _CLEMENS_)

BONUS 14

Some TV characters are known by their last name. Given the clues, give the first name for ten points each.

1) It is the short name for a magazine published by National Magazine Company. It is also the first name of Kramer on Seinfeld.

ANSWER: Cosmo

2) A Nobel Prize winning Secretary of State shares this first name with Walker, Texas Ranger

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ANSWER: _CORDELL_

3) It is the name of a 1995 children's movie from New Line Cinema, it is also MacGyver's first name.

ANSWER: _ANGUS_

BONUS 15

Last year, the Carolina Panthers showed how the West was won, winning their division in just their second year in the league.

For ten points, name the head coach who led Carolina to the NFC West title.

ANSWER: Dom _CAPERS_

In an attempt to catch Carolina, the other four teams in the NFC West brought in new head coaches for the 1997 season. For five points each, name the new head coaches of the 49ers, Falcons, Saints, and Rams.

ANSWER: Steve _MARIUCCI_, Dan _Reeves_, Mike _DITKA_, Dick _VERMEIL_

BONUS 16

One of the bloodiest battles of the Civil War, the battle of Pittsburg Landing was one of the key battles of the western theater. Answer these questions about Pittsburg Landing for the stated number of points:

1) For 5 points, what is the Union name for this battle.

ANSWER: _SHILOH_

2) For 10 points, Name the initial commander of the Confederate forces

ANSWER: _A_lbert Sydney _JOHNSTON_

3) For 15 points, After Johnson was killed, who took over the command of the Confederate forces.

ANSWER: Pierre Gustav Tautant _BEAUREGARD_

BONUS 17

Given that the field of computer science is relatively new, it is somewhat surprising that it traces its roots to the 19th century. Specifically, Charles Babbage is credited with being the world's first programmer and the designer of the forerunner of the modern computer. Answer these questions about Babbage's works, 15 points each.

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1) Though never completed by his hand, what was the name of the mechanical device he began to construct in the 1820's that was able to compute mathematical tables.

ANSWER: The _DIFFERENCE ENGINE_

2) Although the Difference Engine did not have memory, Babbage wrote out plans for another device that would actually have been a programmable computer. This device would have been able to store instructions, perform mathematical operations and use punched cards as a form of permanent memory. What the name of this device?

ANSWER: The _ANALYTICAL ENGINE_

BONUS 18

Well folks, how much do you know about plant hormones? Identify the following plant hormones from the clues, for fifteen points each.

1) This hormone, found in the shoot's apical meristem, is responsible for the phototropic behavior of many plants. It is also responsible for delaying leaf abscission and maintaining apical dominance. FFP, name this hormone, called indoleacetic acid in chemical terms.

ANSWER: _AUXIN_

2) This hormone, the only one commonly found in gaseous form, promotes leaf abscission and plant senescence. It also is responsible for the ripening of fruit. FTP, name this hormone, which provides the truth behind the saying "one bad apple spoils the whole bunch."

ANSWER: _ETHYLENE_

BONUS 19

Answer these questions about superconductivity, for the stated number of points.

1) This medical diagnostic tool uses superconducting magnets to produce images of the body. It has become popular, in part, because the radio-frequency radiation it generates is safer than X-rays. For 5 points, name it.

ANSWER: _M_agnetic _R_esonance _I_maging (accept: MRI)

2) For 10 points, one commonly observed phenomenon of superconductors is the formation of bound two-electron states. What name is commonly given to these states?

ANSWER: _COOPER PAIRS_

3) This Dutch physicist first discovered the phenomenon of superconductivity while studying the resistivity of metals at low temperatures. For 15 points, name him, the winner of the 1913 Nobel

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Prize in physics.

ANSWER: Heike Kamerlingh _ONNES_

BONUS 20

I'm sure many of you have heard the U2 song "Sunday, Bloody Sunday." But how many of you are familiar with the actual events surrounding the Bloody Sunday massacre on which the song is based. Answer these questions for the stated number of points.

1) For 5 points, in what city did the massacre take place?

ANSWER: _DERRY_, Northern Ireland

2) For 10 points, what was the exact date on which the massacre took place. If you only get the year correct, you'll get 5 points

ANSWER: _JANUARY 30, 1972_

3) For 15 points, who led the British military inquiry that eventually exonerated the paratroopers responsible, on the ground that they had been fired upon first. Even though, no eyewitnesses reported hearing shots.

ANSWER: Lord _WIDGERY_

BONUS 21

For 10 points each, give the capitals of the following African countries.

1) Namibia

ANSWER: _WINDHOECK_

2) Comoros

ANSWER: _MORONI_

3) Cameroon

ANSWER: _YAOUNDE_

BONUS 22

For five points each and a five point bonus for all correct, place these five Chinese dynasties in order, earliest to latest. They are: Sung, Han, Ming, T'ang, and Chou (rhymes with Joe).

ANSWER: CHOU, HAN, T'ANG, SUNG, MING

BONUS 23

For 15 points each, given a definition, identify these terms from social psychology.

1) First proposed by Daryl Bem, this theory states that when internal clues are difficult to interpret, people gain self-insight by observing their own behavior

ANSWER: SELF-PERCEPTION theory

2) According to Irving Janis, this phenomenon led to such poor decisions as the Bay of Pigs invasion. It is defined as a decision-making style characterized by an excessive tendency among group members to seek concurrence.

ANSWER: GROUPTHINK

BONUS 24

Recently, Alan Greenspan warned against "irrational exuberance", raising fears that the stock market is artificially inflated. FTPE, answer these questions about stock market bubbles of the past.

1) This particular speculative frenzy was set in motion in 1593 when a newly appointed botany professor from Vienna brought to Leyden a collection of unusual Turkish plants. FTP, what plant commodity did the 17th century Dutch go nuts over

ANSWER: TULIP Bulbs

2) This company was founded in 1711 to take on a government IOU of 10 million pounds, in return for exclusive rights to Mexican trade. Despite the incompetence of the company's directors, its stock price rose 1000% in 18 months. When the bubble burst, Issac Newton, who lost a sizeable sum of money exclaimed "I can calculate the motions of heavenly bodies, but not the madness of people" FTP, name this notorious English company.

ANSWER: The SOUTH SEA Company

3) A contemporary of the South Sea Company, this French company was founded by an English exile who wanted to replace metal with paper money. Despite the lack of any profitable business enterprises, the company's stock price soared until the public realized that an excess of paper money creates only inflation. FTP, name this firm, whose total market value at one point was more than 80 times greater than the entire value of all the gold and silver in France

ANSWER: The MISSISSIPPI Company