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Beaver Bonspiel IX Round 10

Packet by NYU (Beverly Cruel, Michael Ruby, Meghan Retzlaff, Andrew Weber, Janssen Choy, Sean Reap, Sammy Shecter, Teo Fernandez and Victor Lee)

Tossups

1. It survived both the destruction of religious artifacts during the dissolution of the monasteries by King Henry VIII and a fire which destroyed the library of Sir Robert Bruce Cotton, and it is now housed in the British Library in London. Its protagonist is a son of Ecgtheow and nephew of Hygelac who ascends to the throne of Geats after aiding the Danish king Hrothgar. FTP, name this epic poem recently translated by Seamus Heaney whose hero is killed by a dragon many years after he saves the Heorot mead hall from the monster Grendel.

Answer: Beowulf

2. He passed for 9,842 yards and 83 touchdowns during his two seasons on the Houston Gamblers of the USFL before the league folded in 1985. The AFC's leading passer in 1991, his best year was probably 1990, when he led the NFL with a quarterback rating of 101.2, and he amassed 35,467 passing yards in a career which lasted from 1986 to 1996. FTP, name this quarterback whose no-huddle offense led the Buffalo Bills to four straight Super Bowls.

Answer: Jim Kelly

3. If you want to make this device in the privacy of your own home, you will need a transparent rigid plastic tube, a flexible plastic tube, a ruler, cable clips, screw eyes, some cord, and a small plank of wood. One version of it is used to measure the vertical deformation of surfaces during an earthquake, while another version was invented by Charles Denison in order to measure the air pressure of his patients' breath. FTP, name this device used in chemistry labs to show the difference in pressure between gases, whose "sphygmo-" variety measures blood pressure.

Answer: manometer

4. This Supreme Court decision was bolstered 23 years later in *Wallace v. Jaffree*. Potter Stewart's dissent cited 10 presidential inaugural addresses as well as verses from the *Star-Spangled Banner* and a statement found on U.S. currency, but the majority agreed with Hugo Black's opinion that New York had "adopted a practice wholly inconsistent with the Establishment clause." FTP, name this decision which struck down a New York law calling for daily recitation of a non-denominational prayer in public schools.

Answer: Engel v. Vitale

5. He disproved Lavoisier's claim that all acids contain oxygen by showing that prussic acid does not, and with Thenard he discovered boron independently of Davy. Also with Thenard, he discovered one of two laws that bears his name, which led to confusion resulting from the fact that Dalton's Law of Definite Proportions seemed to contradict his Law of Combining Volumes. FTP, name this scientist who, while ascending to heights of 20,000 feet in hydrogen balloons, discovered the relationship between the pressure of a gas and its temperature.

Answer: Joseph-Louis Gay-Lussac

6. In 2001, his first novel was adapted by Merchant and Ivory into the poorly-received film *The Mystic Masseur*. His noted nonfiction works include *An Area of Darkness* and two other studies of India as well as *Among the Believers: An Islamic Journey*. In 1959, he wrote *Miguel Street*, a novel set in his native Port-of-Spain. FTP, name this author of *Half a Life*, *The Enigma of Arrival*, and *A House for Mr. Biswas*, a Trinidadian born English writer of Indian descent who won 2001's Nobel Prize for Literature.

Answer: Vidiadhar Surajprasad (V.S.) Naipaul

7. Sir Edward Trevelyan called it "a direct stroke of an all-wise and all-merciful Providence," and under his self-appointed leadership Britain did little to mitigate it. Caused by an unwanted fungus from Peru that found a surfeit of its victim tuber, FTP, what disaster prompted mass migration from Ireland?

Answer: The Potato Famine or Potato Blight (accept reasonable and knowledgeable variants)

8. The alcoholism of this Maine native's older brothers as well as his mother's death from "black diphtheria" greatly influenced his poems, many of which deal with suicide, self-destruction, and grief. When he first started his writing career, he was penniless, until Theodore Roosevelt's son Kermit read his anthology *The Children of the Night* and gave a copy to his father, who was immediately taken with it. FTP, name this American poet, the author of "Luke Havergal," "Miniver Cheevy," and "Richard Cory."

Answer: Edward Arlington Robinson

9. As a child he defeated the sons of the land's greatest knights, and he had amassed such a fearful reputation as an adult that when he died standing upright on the battlefield, his enemies waited until vultures began to peck at him before they dared approach his body. Born with the name Setanta, he is considered the archetype of the Gawain myth, willingly giving an enemy a chance to decapitate him to honor a bargain. FTP, name this legendary Celtic hero, who becomes a man's indentured dog.

Answer: Cuchulainn (coo-CAY-len) (accept Hound of Ulster or Hound of Cullen)

10. He studied at Julliard, and performed in a jazz combo before returning for his degree. He is one of New York University's most distinguished alums, and rather unusually he received his Ph.D without writing a dissertation. A popular story states that if his briefcase is light, certain economic conditions will stay the same, but if it's heavy then they will change. FTP, name this man often called the most powerful unelected official in the United States, who introduced "irrational exuberance" into our lexicon.

Answer: Alan Greenspan

11. Louis V, Lothair, Louis IV, Rudolph of Raoul (Duke of Burgundy), Robert I, Charles III The Simple, Eudes (Count of Paris), Charles II The Fat, Carloman and Louis III jointly, Louis II, Charles I The Bald, Louis I The Pious, Charlemagne and Pepin the Short represent the reverse chronology of, FTP, what dynasty, which ruled the Frankish Empire upon the death of Charles Martel, from 751-987 AD?

Answer: Carolingian Dynasty

12. It was sent by the U.S. ministers in Spain, France, and Great Britain to Secretary of State William Marcy after Pierre Soulé failed in his attempt to purchase an island and traveled to the namesake town to confer with John Mason and James Buchanan. Though the proposal it contained was rejected, when it leaked out in 1854 it was viewed as an attempt by pro-slavery Democrats to expand US slave territory and to prevent a possible slave rebellion. FTP, name this document which recommended the U.S. seizure of Cuba and was composed in a town in Belgium.

Answer: Ostend Manifesto

13. Jointly with Hellmann, he gives his name to a theorem used to find forces on ions which he published in his 1939 MIT undergraduate thesis. He also gives his name to the ill-defined functional integrals used in his path integral approach to quantum mechanics and to the rules used write down the propagators required for the explicit calculations based on his eponymous diagrams. FTP, name this man who developed quantum electrodynamics independently of Tomonaga and Schwinger and whose books include *Six Easy Pieces* and a famous collection of introductory Caltech physics lectures.

Answer: Richard Feynman

14. He spent the first ten years of his life in Takoma Park and Silver Spring, Maryland, but then his father took a job as a lawyer for Pacific Gas and Electric, so they moved to Marin County, California. He graduated from Tamsical High at age 16, requesting that the first name of Sulayman be put on his diploma. After two years in Yemen, he trained for fighting in Kashmir but ended up at the al-Farooq training camp. For ten points, name this American who was sentenced to 20 years in prison for fighting for al-Qaeda.

Answer: John Walker Lindh

15. The creator of this law based his theory on the German Social Democratic Party, but it applies to any organization. First appearing in the 1915 work *Political Parties*, this law assumes that every organization by nature produces a ruling class, which the organization is unable to control in the long term. FTP, name this law put forward by Robert Michels, which states that over time, the interests of an elite ruling class will be different than those who the class is supposed to represent, and whose name recalls that of a theory of David Ricardo.

Answer: Iron Law of Oligarchy

16. In nature, this molecule generally appears in clusters of several hundred called antenna complexes in which one reaction center molecule is occasionally energized, resulting either in fluorescence or in the passage of an electron through a sequence of other molecules which includes either ferredoxin or plastoquinone. The molecule's structure includes a phytol chain attached to a porphyrin ring in the center of which is a magnesium atom. FTP, name this compound whose two main types absorb light at 680 or 700 nanometers and are the principal green pigments involved in photosynthesis.

Answer: chlorophyll

17. Arising from ideas published in the monthly magazine *New Youth*, this movement derives its name from a massive student demonstration in opposition to provisions in the Treaty of Versailles which transferred former German possessions to Japan. It promoted a vernacular style of writing and opposed Confucianism, and its aftermath saw the strengthening of the Kuomintang and the birth of the Chinese Communist Party. FTP, name this movement named for events which coincidentally happened one day before the anniversary of the Battle of Puebla, the battle which ensured Mexican independence from France.

Answer: The May 4th Movement

18. His foster father John Allan got him an appointment at West Point, but he was expelled for showing up naked to a military parade. His lesser known works include "Ligeia," "The Spectacles," "Maelzel's Chess-Player," and "The Imp of the Perverse." FTP, name this American author known for many short stories including three about C. Auguste Dupin, as well as for marrying his thirteen year old cousin and writing a poem about a bird knocking on his chamber door.

Answer: Edgar Allan Poe

19. Originally from Montana, where he was a professor of Spanish, he lived in Extremadura in the west of Spain for ten years. Although American, he is called *Ingles*, or "English," by most of the Spaniards. He succeeds in his task of blowing up a strategic bridge, but while he tries to escape his horse is injured and falls on his leg, breaking it; knowing he must stay behind, he prepares to shoot an officer to delay the cavalry pursuing his escaping comrades at the novel's end. FTP, name this fighter in the Spanish Civil War, the hero of Hemingway's *For Whom the Bell Tolls*.

Answer: Robert Jordan

20. His operetta *The Twin Brothers* was sponsored by Johann Michael Vogl, whose earlier performances of many of his works, such as "Ganymed," "Der Wanderer," and "Der Alpenjager" had contributed to his popularity. He composed the first sonata for the cello-guitar hybrid now called the arpeggione, and that sonata often appears on CDs together with the work he composed for Sylvester Paumgartner based on his song "Die Forelle." FTP, name this Austrian who composed the *Trout Quintet*, as well as an *Unfinished Symphony*.

Answer: Franz Schubert

21. An expert on the BBC programme *Patterns of Faith* recently cited this religion as the fastest growing faith in Britain. The religion began on the Indian subcontinent, but is no longer one of the major religions there. Instead, its various branches are predominant faiths in Southeast Asia, Tibet, Mongolia, and China. FTP, name the fourth most-practiced religion in the world, founded in what is now Nepal by Siddhartha Gautama.

Answer: Buddhism

22. Born to a prominent Vienna family of Jewish origin that had converted to Roman Catholicism, he was one of eight children. He enrolled in the *Realschule* in Linz the same year Adolf Hitler graduated. After studying mathematics and philosophy in Austria, he moved to Berlin to study engineering. He moved to England with the idea of studying aeronautical engineering, but his growing interest in mathematics steered him to the tutelage of Bertrand Russell and from mathematics to philosophy. FTP, name the philosopher who while fighting for Austria-Hungary in the trenches of northern Italy wrote his most influential work: *Tractatus Logico-Philosophicus*

Answer: Ludwig Wittgenstein

23. A pidgin is a language developed for communication between people in the same society who grew up speaking different languages in the home. Once a new generation is brought up by speakers of a pidgin language, this type of language is formed, which generally takes vocabulary from the pidgin but develops its own grammar. FTP, An example of this type of language is this, the most-spoken language of Haiti.

Answer: creole

24. This native of Tinsbury on Martha's Vineyard was a short, stout and ruddy fellow. He was known as King-Post, after the wood used by Arctic whalers to protect the ship from the icy sea. It was a "point of honor with him" to destroy whales wherever he encountered them. FTP, name this third mate of the Pequod in Herman Melville's *Moby Dick*.

Answer: Flask

25. Born on February 9, 1944, in Eatonton, Georgia, she was the youngest of eight children. She was active in the Civil Rights Movement of the 1960's, and in the 1990's she is still an involved activist. She has spoken for the women's movement, the anti-apartheid movement, for the anti-nuclear movement, and against female genital mutilation. FTP, name this author, who won the Pulitzer Prize for her novel *The Color Purple* in 1983.

Answer: Alice Walker

26. This process involves a gene copied into a temporary RNA form, also known as transcription, after which the resulting messenger RNA is subsequently transported to the site where this occurs. Ribosomes, mainly composed of folded, knotted RNA with various proteins embedded within it, supervise this process. There are four types of nucleotides, read in groups of three, resulting in 64 different codons for this. FTP, name the process that converts an mRNA sequence into a string of amino acids to form a protein.

Answer: Translation

27. It is largely becoming recognized as a central feature of intelligence, because those who can manage their own thinking are considered to be more intelligent. This concept entered the field of psychology with John Flavell, who stated that it encompassed knowledge and regulation of cognition. It encompasses knowledge about oneself and others' thinking, as well as strategies for enhancing learning and performance. FTP, give this psychological term that refers to the act of "thinking about thinking."

Answer: metacognition

28. Among its constituents may be pentolite, picratol, ednatol, erytol, torpex, and cyclonite. It has been known as triton, trotyl, tritolo, trinol, and trilite. FTP give either the acronym or fullname of this explosive.

Answer: TNT or trinitrotoluene

Bonus Questions

1. Name these capitals from Asian history, FTP each:

a) This city was the capital of the Khmer empire from the late 9th to the early 13th century. Its ruins contain two impressive temple complexes to which it lends its name.

Answer: Angkor ("Angkor Wat" and "Angkor Thom" are the names of the temple complexes and hence are incorrect answers.)

b) This city 25 miles east of Osaka was capital of Japan from 710 to 784 and contains several of Japan's oldest Buddhist temples.

Answer: Nara (or Heijo-kyo, which was its name when it was capital)

c) This city, which may be the oldest continuously inhabited city in the world and is still a national capital, was established as the capital of the Umayyad caliphate in 661.

Answer: Damascus

2. Name these economists from the terms they coined in their work FTPE, or for five if you need an easier

clue:

a) 10: Creative Destruction

5: This economist argued that capitalism would inevitably gradually give way to some form of socialism in *Capitalism, Socialism, and Democracy*.

Answer: Joseph A. Schumpeter

b) 10: Conspicuous Consumption

5: He coined that term in *Theory of the Leisure Class*

Answer: Thorstein Veblen

c) 10: Moral Hazard

5: He is known mainly for an "impossibility theorem" which implies that it is impossible to design a voting procedure which will always guarantee a fair outcome when three or more candidates are involved.

Answer: Kenneth Arrow

3. Name the philosopher from works: 30-20-10

30: *The Principles of Descartes' Philosophy*

20: *Treatise on the Emendation of the Intellect, A Hebrew Grammar*

10: *Political-Theological Treatise, The Ethics*

Answer: Baruch Spinoza

4. Answer these questions about the Teapot Dome Scandal:

a) FFP, during whose presidency did the scandal occur?

Answer: Warren G. Harding

b) FFP, this man, Harding's Secretary of the Interior, was the only member of Harding's cabinet to receive jail time, and was charged with bribery instead of conspiracy.

Answer: Albert B. Fall

c) FTP, this was the man to whom Fall leased Teapot Dome, who also received a jail sentence for his refusal to cooperate with the authorities.

Answer: Harry F. Sinclair

d) FTP, Teapot Dome is named after a teapot-shaped oil reservoir, or dome, near this "friendly" Wyoming city.

Answer: Casper

5. Name these nutritionally-important acids, FTPE.

a) This acid helps energy production in your body, fights depression and anxiety, and is especially important for pregnant woman. Symptoms of deficiencies include graying hair, anemia, and digestive problems.

Answer: Folic Acid

b) Also known as vitamin B5, it helps produce coenzyme A, a vital catalyst that is required for the conversion of carbohydrates, fats, and protein into energy.

Answer: Pantothenic acid

c) This is the chemical name for vitamin C.

Answer: Ascorbic acid

6. Answer the following questions about English Romantic poetry, FTPE.

a) The English Romantic movement was started by William Wordsworth and Samuel Coleridge in this collaboration published in 1798.

Answer: Lyrical Ballads

b) Name the poem that began *Lyrical Ballads*, containing the line:

"Why look'st thou so?"--with my cross bow I shot the Albatross.

Answer: "Rime of the Ancient Mariner"

c) Name the poem that ended *Lyrical Ballads*, containing the line:

Five years have passed; five summers, with the length Of five long winters! and again I hear.

Answer: Lines Composed a Few Miles above Tintern Abbey"

7. Name the Greek mythological figure, 30-20-10.

30: As the god of boundaries, he derives his name from piles of stones used to mark boundaries.

20: His offspring include Pan, Abderus, and a certain son who shares the first four letters of his name.

10: He is best known for his winged sandals and his profession of delivering messages to the gods.

Answer: Hermes (Do not accept "Mercury," as the lead-in specifies a Greek god and parts of the 30 and 20-point clues both apply only to Hermes.)

8. Name the following notable abolitionists from the descriptions FTPE:

a) Her legal name was Isabella Van Wagener, but she is better known by the name that she adopted to go about her supernatural call to "travel up and down the land" preaching the gospel.

Answer: Sojourner Truth

b) While his sister is better known for writing the book *Uncle Tom's Cabin*, he was an accomplished preacher and orator, and in addition to being an abolitionist was a proponent of women's suffrage and the theory of evolution. Additionally, he edited the newspapers *The Independent* and *The Christian Union*.

Answer: Henry Ward Beecher

c) This aggressive abolitionist is remembered for leading his sons on a raid at Pottawatomie in Bleeding Kansas, and for trying to capture a federal armory in Harpers Ferry, Virginia, in 1859.

Answer: John Brown

9. Identify these songs with female title characters from lyrics FTPE.

a) This song was the hit single on Neil Diamond's 1969 album *Brother Love's Traveling Salvation Show*. It begins "Where it began I can't begin to knowin', but then I know it's growing strong."

Answer: "Sweet Caroline"

b) This song was released in 1989 by Elvis Costello on the album *Spike*. Costello tells us that "she used to have a carefree mind of her own and a delicate look in her eye."

Answer: "Veronica"

c) In this song, released on Rubber Soul, the Beatles say "I need to make you see, oh, what you mean to me."

Answer: "Michelle"

10. Answer the following questions about the book *Things Fall Apart* FTPE.

a) This respected warrior and excellent wrestler is the protagonist of *Things Fall Apart*.

Answer: Okonkwo

b) Okonkwo hails from this Ibo village, where most of the action is set.

Answer: Umuofia

c) The title of the book is a refers to a line in this poem by William Butler Yeats.

Answer: "The Second Coming"

11. FTPE, name these participants in this past summer's World Cup from descriptions:

a) This former French colony got as far as any African team has ever gone in the tournament, opening the tournament with a shocking win over France and later upsetting Sweden before being knocked out by Turkey.

Answer: Senegal

b) Generally listed as pre-tournament co-favorites along with France, this two-time World Cup champion was placed in the Group of Death, where their win over Nigeria, tie against Sweden, and loss to England were not enough to qualify them for the second round.

Answer: Argentina

c) Despite its large fan base, this country finished second-to-last, scoring no goals and allowing eight in its losses to Costa Rica, Brazil, and Turkey.

Answer: China

12. Answer the following about Japanese art, FTP each:

a) Probably the most famous Japanese printmaker is this man, known for an eponymous collection of *manga* and for his "Thirty-Six Views of Mount Fuji."

Answer: Katsushika Hokusai

b) This younger contemporary of Hokusai is best known for the collection "Fifty-three Stages on the Tokaido," consisting of one print for each overnight station that he stayed at on a trip along the Tokaido highway.

Answer: Ando Hiroshige

c) Hokusai and Hiroshige are the most famous adherents of this Tokugawa-era genre, named after a euphemistic term for the entertainment quarters of Edo which were the original subjects of paintings in the style.

Answer: ukiyo-e or pictures of the floating world (accept reasonable variants of the translation)

13. Answer the following about a property of wave motion, FTP each:

a) Defined as the spreading of waves around obstacles, this phenomenon is responsible for the blurriness of shadows.

Answer: diffraction

b) This Frenchman developed a theory of the diffraction of light based on the hypothesis that wavelets can exhibit interference, and used this theory to make unexpected predictions whose confirmation led to the acceptance of the wave theory of light.

Answer: Augustin-Jean Fresnel (fruh-nell)

c) In 1927, two Americans observed that a beam of electrons shows diffraction patterns when reflected off of a nickel crystal, proving that electrons have wavelike properties. Name either.

Answer: Clinton Joseph Davisson or Lester Halbert Germer

14. Name the following Christian hymns from clues FTP each:

a) Many survivors cited this hymn as the last song played by the band aboard the Titanic, and it was featured in the 1997 film.

Answer: "Nearer My God To Thee"

b) This hymn, written by famous reformer Martin Luther, was called "The Battle Hymn Of The Reformation."

Answer: "A Mighty Fortress Is Our God" ("Ein Feste Burg Ist Unser Gott")

c) This Christmastime Latin hymn is also known as "The Portuguese Chapel Hymn," though its lyrics were written by Englishman John Francis Wade.

Answer: "Adeste Fideles" (prompt for Latin on "O Come, All ye Faithful")

15. FTP each, identify the following processes of cell division:

a) In this phase of mitosis, which is not always listed as a distinct phase and is named for the phases immediately before and after it, the nuclear envelope disintegrates into vesicles and microtubules separate the spindle poles.

Answer: prometaphase

b) Occurring after telophase, this process sees the final formation of two daughter cells as the mother cell is cleaved by a contractile ring formed by actin filaments.

Answer: cytokinesis

c) This is the part of prophase I in meiosis in which chromatids become entwined and crossing-over can occur.

Answer: pachytene

16. Name the following people who have died recently FTPE.

a) This legendary Colts quarterback died at the age of 69 on September 11, 2002 of a heart attack.

Answer: Johnny Unitas

b) This husband of Blythe Danner and father of Gwyneth Paltrow died at the age of 58 of throat cancer.

Answer: Bruce Paltrow (prompt if they only give his last name)

c) This historian, whose most famous work is the book *Band of Brothers*, succumbed to his long battle with lung cancer on October 13, 2002.

Answer: Stephen Ambrose

17. Name these works by Mark Twain, FTP each:

a) The title character of this novel solves the mystery of a murder committed by a mulatto who had been exchanged at birth by his mother for fear that he would be sold.

Answer: *The Tragedy of Pudd'nhead Wilson*

b) This autobiographical work discusses Twain's time as a river pilot and his return to the title location in 1882.

Answer: Life on the Mississippi

c) This posthumously published short story relates Philip Traum's visit to an Austrian boy, whom he convinces that there is no heaven and that it is kind to kill a cripple.

Answer: "The Mysterious Stranger"

18. Answer these questions about Fascist Italy FTP each:

a) These members of Mussolini's Fascist organization were mostly discontented World War I veterans who attacked Communists, and used violent means to break up strikes and drive socialist party leaders from office.

Answer: Squadristi (accept Black Shirts or Squadrists)

b) Mussolini signed this treaty with Pope Pius XI, restricting papal sovereignty to a few buildings and awarding the Pope an annual indemnity for the lost papal states.

Answer: Lateran Treaty

c) You all know that Mussolini was hanged with piano wire in the public square in Milan next to his mistress. Name that mistress.

Answer: Clara Petacci

19. Answer these questions about Islam, FTPE.

a) The Arabic word *Islam* means to do this, especially to God.

Answer: Surrender (accept "submit," "accept," and other equivalents)

b) Another Islamic term, meaning "pilgrimage" in Arabic, is the term used to refer to the obligatory visit to Mecca that every Muslim is required to make once in his or her lifetime, if capable of doing so.

Answer: Haji

c) This is the Arabic word for the first pillar of Islam, namely the profession that "There is no God but Allah, and Muhammad is his prophet."

Answer: shahadah

20. Name the historian from works, 30-20-10.

30: *Joseph Conrad and the Fiction of Autobiography*

20: *Out of Place*, and *The World, The Text and the Critic*

10: *Culture and Imperialism*, and *Orientalism*

Answer: Edward Said

21. The recently-popular superhero Spiderman has five super powers. FFP each and a bonus five for all correct, name them.

Answer: Web shooting, Super strength, Spider Senses, The ability to stick to things, Super Agility (accept equivalents; moderator's discretion)

22. FTPE, name the Hellenistic school of philosophy from a description of key beliefs.

a) Followers of this school sought virtue and scorned pleasure, wealth and social position. The word has come to mean someone who sees selfish and insincere motives in peoples' actions.

Answer: Cynicism

b) Underlying this philosophy was an idea of divine reason that its followers should accept, whatever it may bring.

Answer: Stoicism

c) Early followers devoted themselves to the pursuit of intellectual pleasure, but later practitioners included physical pleasure.

Answer: Epicureanism

23. This bonus has gone to the dogs. (sorry, bad joke) FFP apiece, list 6 out of the 10 most popular dog breeds in America according to the American Kennel Club's 2001 registration statistics.

Answer: they are, in order: Retrievers (Labrador), Retrievers (Golden), German Shepherds, Dachshunds, Beagles, Yorkshire Terriers, Poodles, Boxers, Chihuahuas, Shih Tzus

24. Given the thing feared, name the psychological term for the fear of that object FTPE. For example, if I were to say "spiders," you would, of course, say "arachnophobia."

- a) Heights or high places
Answer: Acrophobia
- b) Cancer
Answer: Carcinophobia
- c) The number thirteen
Answer: Triskaidekaphobia

25. Name the now rare form of surgery, 30-20-10

30: Some physicians in Japan, Australia, Sweden, and India still sanction this extreme procedure as a form of radical control of violent behaviour.

20: It was pioneered in the 19th century by German physicians who first attempted the procedure on dogs.

10: McMurphy gets one in *One Flew Over the Cuckoo's Nest*.

Answer: lobotomy

26. Answer these biology questions written by a history major FTPE.

a) Like the woolly mammoth, this speedy mammal was driven to extinction in North America by a combination of climatic change and overhunting by the earliest human inhabitants of the continent. Unlike the mammoth, it survived in Asia, was domesticated by the peoples of the Asian steppes, and was reintroduced to North America by Europeans, who used the mobility it gave them to conquer the hemisphere.

Answer: horse

b) This animal which is on the coat of arms of England probably never lived in England, but did live throughout Southern and Central Europe in Neolithic times, with some specimens surviving in many parts of Europe into classical times, notably near the Mycenaean city of Nemea.

Answer: lion

c) Because of its amazing capacity for the storage of water for long journeys, the introduction of this animal to pre-Islamic Arabia was a prerequisite for the formation of the overland trade routes that made Mecca an important entrepot.

Answer: Bactrian camel

27. Identify the major late 19th or early 20th century political figures assassinated by the following people, FTP each:

a) Gaytano Bresci

Answer: King Umberto I

b) Gavrilo Princip

Answer: Archduke Francis Ferdinand

c) Leon Czolgosz

Answer: William McKinley

28. Name these branches of the English royal family from members FTPE.

a) Richard the Lionheart, Edward I, Henry III

Answer: Plantagenet

b) Queen Victoria, George II

Answer: Hanover

c) James II, William of Orange

Answer: Stuarts