TOSSUPS

1. It has been published annually since 1986, and is probably the world's best-known indicator of purchasing-power parity. In 2004, an analogue involving the tall latte was developed, a nod to Starbucks Coffee as its ubiquity approaches that of the namesake product. For ten points, identify this index published by The Economist, "arguably the world's most accurate financial indicator to be based on a fast-food item."
        ANSWER: **Big Mac** Index

2. Richard Feynman said that "all good theoretical physicists put [it] up on their wall and worry about it". Several equations have been proposed to relate it to other unitless constants such as e and pi, but none of these gives an accurate value, nor has any sound theoretical support been provided. Arthur Eddington once claimed that it was exactly 1/136, and then revised his so-called proof when it was measured to be closer to 1/137. For ten points, identify the constant characterizing the strength of the electromagnetic force, signified by the letter alpha.
        ANSWER: (Sommerfeld) **fine-structure** constant (PROMPT on "alpha" before mentioned)

3. Andrew Hamilton Gault put up $100,000 to finance its formation, which officially took place on August 10th, 1914. Nine days later it was fully manned. Its members won two Victoria Crosses at Passchendaele and another at Parvillers, and participated in the Sicilian campaign in World War II. More recently, Operation Apollo saw 700 members of its third battalion deployed to Afghanistan. For ten points, identify this Winnipeg- and Edmonton-based regiment, named for a granddaughter of Queen Victoria.
        ANSWER: **Princess Patricia**'s Canadian Light Infantry

4. His family called him Plum, but most know him better by his first two initials, under which he published ninety-nine books. Though considered a quintessentially British author, he lived most of his life in the US and France, and was taken prisoner in the latter in 1941. On being released, he made a series of humourous radio broadcasts from Berlin, causing such uproar in England that he was denied a knighthood until shortly before his death in 1975. For ten points, identify this author, best known for his stories about Bertie Wooster and his valet, Jeeves.
        ANSWER: Pelham Grenville **Wodehouse**

5. Its 1934 premiere was followed by only a handful of performances before this work was denounced as overly modern by Stalin. In 1962, a reworked version was presented under the title Katerina Ismailova. The titular lady is married to a landowner but begins an affair with a farmhand, which quickly descends into a maelstrom of murder and jealousy. For ten points, identify this Shostakovich opera, whose libretto is not by Shakespeare.
        ANSWER: **Lady Macbeth** of **Mtsensk** or **Lady Macbeth** of the **Mtsensk** District or **Ledi Makbet Mtsenskovo** Uyezda (PROMPT on **Katerina Ismailova** before mentioned)

6. This person has been variously credited with overthrowing an emperor, murdering an empress, and pushing her daughter-in-law down a well, although she probably didn't do any of those things. She did successfully place her son and then her nephew on the throne, ruling through them for 37 years and on her own for another 10, despite her humble beginnings as a fifth-class concubine. For ten points, name this "Western Empress Dowager", the penultimate ruler of Imperial China.
        ANSWER: **Cixi** or **T'zu-sh**i or **Xiaoqin** Xian (be lenient with pronunciation); accept "**Empress Dowager**" or "**Dowager Empress**" before mentioned

7. The Chief Justice recused himself, having ruled on the case in a lower court; John Paul Stevens wrote the majority opinion in a 5-3 decision overturning John Roberts' prior ruling. The decision was ridiculed by

many pundits, including one blogger who summarized it: "So if they try him, they have to take him to federal court — but they don't have to try him?" For ten points, identify this decision of the US Supreme Court, issued June 29th, 2006, which ruled special military commissions to try Guantanamo detainees illegal.

ANSWER: Salim Ahmed **Hamdan v.** Donald H. **Rumsfeld** et al.

8. He studied physics at l'Université de Montréal and Japanese literature at McGill before taking a Masters in Philosophy, which he now teaches. He is best known for the magical-realist story of two siblings and their Fair Punishment, who have grown up ignorant of the world but well-versed in the writings of Spinoza and Saint-Simon. For ten points, identify this author of Atonement, The Immaculate Conception, Vaudeville! and The Little Girl Who Was Too Fond of Matches.

ANSWER: Gaétan **Soucy**

9. In England and Wales, it is known as 'compulsory purchase'. The portion of the Fifth Amendment dealing with it includes the phrase 'just compensation' as well as 'public use', the latter of which has become a point of contention in cases such as last year's Kelo v. New London. FTP, identify this controversial legal power, the right of government to appropriate private property for public use.

ANSWER: **eminent domain**

10. WARNING: Two answers required. Henry McKenney, the first businessman to open shop here, was ridiculed for having chosen a location so inconvenient to the river and the nearby fort. Twenty years later that fort was demolished to make room for the town which had grown up around the location of McKenney's store. In 1979, in a move somewhat at odds with its central position, it was closed to foot traffic, and it will remain so until at least 2016. For ten points, identify this intersection at the heart of Winnipeg.

ANSWER: **Portage** Avenue and **Main** Street

11. He once converted trillionths of a gram of element 82 to element 79, thereby achieving the purpose of the Philosopher's Stone. He discovered or co-discovered ten elements, including numbers 94 to 102 inclusive, and successfully patented curium and americium. Elements 106, 103, 97, 98, and 95 can be said to give his address, For ten points, identify this physicist, the only person to have had a chemical element named for him while he was still alive.

ANSWER: Glenn Theodore **Seaborg**

12. It contains the phrase "Kingdom of Heaven" thirty-two times in thirty-one verses, as well as more than fifty quotations of Old Testament prophecy, and is considered the most Jewish book of the New Testament. Although probably written second, this is, for ten points, which book, the traditional first of the four Gospels?

ANSWER: The Gospel According to **Matthew** (or Gospel of **Matthew**)

13. One government official commented that "the sky would fall" if harm came to him during his captivity. The operation to retrieve him has already resulted in over 100 wounded and nearly as many dead, although he is thought to be in good health apart from a broken hand and shoulder wound. Operation Summer Rains was launched in response to, for ten points, the capture of this Israeli soldier by Palestinian militants.

ANSWER: Corporal Gilad **Shalit**

14. It was first published and performed in French, due to a British ban on the depiction of Biblical characters onstage. The English "translation" was credited to Lord Alfred Douglas, although actually written by the author before the French version. The titular figure plays on her stepfather's lust by performing the Dance of the Seven Veils, and when offered a reward, demands the head of the prophet Jokaanan on a silver platter. For ten points, identify this play about the death of John the Baptist, a work by Oscar Wilde.

ANSWER: **Salomé**

15. It is predicted for copper (II) and vanadium (III), but not copper (I) or vanadium (II). It is less intense for titanium (II) than for titanium (0), because the latter case involves the e_g set. It is also less intense in tetrahedral complexes, as the usual solution doesn't have the same effect. The more common case involves a transformation from the O_h to the D_{4h} point group, usually by elongation along the z-axis. FTP, identify the effect wherein a molecule in a degenerate electronic ground state undergoes distortion to remove the degeneracy.
        ANSWER: **Jahn-Teller** effect (or **Jahn-Teller** distortion(s), or similar)

16. It is one of the "future" social engineering choices in Sid Meier's Alpha Centauri, conferring benefits of 2 points each to Economy, Industry and Growth and a 2-point penalty to unit Morale. It is also, according to Aristotle, the ultimate purpose of human existence, and the only end worth striving for. For ten points, identify this term from Greek philosophy, literally "living well".
        ANSWER: **eudaimonia**

17. The members of this devoutly monotheistic group consider themselves to be the chosen race of God, and place an extreme priority on reproduction, viewing it as essential to the divine plan. Their inability to reproduce amongst themselves drives much of their interaction with humans, including Lt. Karl Agathon and Dr. Gaius Baltar. For ten points, identify these cybernetic lifeforms, of whom only twelve biomimetic models exist, the ambiguous villains of Battlestar Galactica.
        ANSWER: **Cylon**s

18. MC 900 Ft. Jesus, Skinny Puppy, Autour de Lucie, Paul van Dyk, Moka Only, Ron Sexsmith and Sarah MacLachlan have all released records with them. So has MC Lars, who recently helped convince them to pay the legal fees of a Texas family being sued by the RIAA. For ten points, name this Vancouver-based company, the largest independent record label in Canada.
        ANSWER: **Nettwerk** Music Group (accept **Nettwerk** Records or similar)

19. It lies somewhere within the Virgo Supercluster, which also contains the Local Group. Variations in the redshift of hundreds of galaxies led to its discovery in 1986, and recent estimates place it about 250 million light years from Earth, in the direction of Hydra. Its vicinity is dominated by the massive Norma Cluster, but its influence may extend throughout the Virgo Supercluster, even to the Milky Way. FTP, identify this object which is pulling thousands of galaxies to itself, the largest known gravitational anomaly in the universe.
        ANSWER: **Great Attractor**

20. A trapper who resents this man's protection of the wild game introduces him to a prostitute, Shamhat, who seduces him over the course of six days. His bond with the animals is thus broken, and he moves to the city, where he battles an unjust king. Later, he and the king become comrades, slaying the monster Humbaba and the Bull of Heaven; in revenge for the latter, he is killed by Ishtar. For ten points, identify this wild-man, the nemesis-turned-companion of Gilgamesh.
        ANSWER: **Enkidu**

21. It contains its country's first hydroelectric dam as well as the largest salmon spawning-ground in Eurasia, Lake Kurilsky. 1737 and 1952 both saw earthquakes of over 9.0 magnitude here, and a third major quake hit this region on April 20th, 2006. For ten points, identify this Russian oblast, better known to RISK players as the board's easternmost territory.
        ANSWER: **Kamchatka**

22. "For sale: baby shoes, never worn" was his suggestion for a novel in six words. He won the Pulitzer and Nobel prizes in consecutive years, but couldn't attend the ceremony for the latter, and said it should have gone to "that beautiful writer Isak Dinesen" instead. For ten points, identify this author of Death in the Afternoon, Men Without Women and The Sun Also Rises.
        ANSWER: Ernest Miller **Hemingway**

23. A remote-operated vehicle named Kaiko recovered the only sample of sediment from it, which indicated the presence of copious species of protists and other microfauna. The lack of calcium carbonate seems to have prevented the evolution of hard-shelled crustaceans, but the only two people to have entered it, in the bathyscape Trieste, reported seeing sole and flounder near the bottom. For ten points, identify the deepest point in the Mariana Trench.

ANSWER: **Challenger** Deep (PROMPT on "Mariana(s) Trench" before mentioned)

24. It consisted of more than 500 buildings, including 50 "ouvrages", or major forts, as well as minefields and anti-tank ditches. Ironically enough, it failed its conquerors in exactly the same way as it had failed its builders: the enemy just went around. For ten points, identify this French defensive line which was neatly circumvented by the Wehrmacht's Sichelschnitt through Ardennes.

ANSWER: **Maginot** line

BONUSES

1. For the stated number of points, answer these questions about authors and their work.

[10] Many of this author's works deal with mental illness and disability, drawing on his real-life experiences with his autistic son, Hikari. In 1994, he became the second Nobel Laureate in Literature from his country, cited as one "who with poetic force creates an imagined world, where life and myth condense to form a disconcerting picture of the human predicament today."
        ANSWER: **Oe** Kenzaburo (accept names in either order)

[5] Oe's first major success came with this novel, written a year after Hikari's birth. The protagonist, Bird, faces the same dilemma Oe had: whether to let his severely-disabled son die or not.
        ANSWER: **A Personal Matter**

[10] This author was the first Nobel Laureate from Japan, winning the prize in 1968. Four years later, he inexplicably committed suicide by gassing himself.
        ANSWER: **Kawabata** Yasunari (accept names in either order)

[5] Kawabata's masterpiece, this novel was published in installments in the late 1930's, and was only his second major work. It tells the story of a doomed affair between an idle, wealthy man from Tokyo and the lower-class geisha he meets in a remote hot-springs town. Along with The Old Capital and Thousand Cranes, it was this work which garnered Kawabata the Nobel.
        ANSWER: **Snow Country**

2. Since we want to avoid giving any unfair advantage to players from either BC, Ontario or Québec, here's a Canadian geography bonus about New Brunswick.

[5] For five points, what river, sometimes referred to as "The Rhine of North America", bisects the province of New Brunswick?
        ANSWER: **St. John** River

[15] For fifteen, what narrow stretch of land joins New Brunswick to Nova Scotia, forming the latter province's only connection to mainland Canada?
        ANSWER: Isthmus of **Chignecto**

[10] For a final ten points, identify this attraction outside Moncton, where -- for a small fee -- you can drive to the end of a dirt road, leave your car in neutral, and watch it roll uphill.
        ANSWER: **Magnetic Hill**

3. Pencil and paper ready. Place these events related to the Russian Revolutions of 1917 in chronological order, for five points apiece and a bonus five for all correct. (Moderator, allow 15 seconds before requiring an answer)
        - abdication of Nicholas II
        - Aleksander Kerensky becomes Prime Minister
        - formation of the Petrograd Soviet
        - capture of the Winter Palace by the Bolsheviks
        - Kornilov Affair

        ANSWERS: 1) Petrograd Soviet; 2) abdication of Nicholas II; 3) Kerensky becomes PM; 4) Kornilov Affair; 5) capture of the Winter Palace

4. (MODERATOR: hand out visual bonus sheet.)

[20] Give the names of these three reactions from organic chemistry, for five points each and a bonus five for all correct.
      ANSWERS: 1) **ozonolysis** (accept 1,3-**dipolar cycloaddition** reaction OR **Huisgen** cycloaddition/reaction); 2) **Diels-Alder** reaction; 3) Mizoroki-**Heck** reaction (accept "Heck-Mizoroki")

[10] Finally, identify the class of ring-forming reactions to which all of these belong.
      ANSWER: **cycloaddition** reactions (prompt on "cyclization")

5. Answer the following questions about early computer games for the stated number of points.

[10] The first computer adventure game, its map is based on Bedquilt Cave, part of the Mammoth system in Kentucky. It is the origin of the phrase "you are in a maze of twisty little passages, all alike" and the magic word XYZZY, both referenced by many other game developers since.
      ANSWER: **Colossal Cave** Adventure or **ADVENT** (accept **Adventure**)

[10] Probably the most famous text adventure is this series of games set in the Great Underground Empire. The original game opens with the protagonist "standing in an open field near a white house", and originates the dreaded Grue, a lurking creature likely to eat anyone who stays in the dark too long.
      ANSWER: **Zork**

[10] This company produced the Zork games, as well as many other seminal text adventures including *Leather Goddesses of Phobos, Quarterstaff: The Tomb of Setmoth,* and one based on *The Hitchhiker's Guide to the Galaxy.* As graphics-based games grew to prominence in the mid-1980s, their sales declined; they were acquired by Activision in 1985 and closed in 1989.
      ANSWER: **Infocom**

6. Answer some questions about music theory for the stated number of points.

[10] This relatively simplistic system works by tuning the frequencies of prominent notes in a given key such that they are related by rational numbers, usually ones involving small integers. Unfortunately, most keys other than the one to which the instrument has been tuned will be extremely dissonant, and this system is rarely used today.
      ANSWER: **just intonation**

[10] This word literally means "mistuning", and is called for in works including Stravinsky's *The Firebird* and Saint-Saëns' *Danse Macabre,* in order to allow for the playing of harmonics which would be impossible under the standard string tuning.
      ANSWER: **scordatura**

[10] Probably the most famous tuning system is this one, for which Johann Sebastian Bach wrote a series of exercises in every key. Debate still rages as to precisely what tuning Bach actually used, but this term is now taken to mean a system wherein music played in any major or minor key will sound reasonably in tune.
      ANSWER: **well temperament** (prompt on **equal temperament**)

7. For ten points each, answer these questions about people who may or may not have something in common.

[10] He buried many of his unpublished poems in the grave of his wife, Elizabeth Siddal, but had her exhumed later on to retrieve them; today his poetry is often overlooked in favour of that of his sister, and he is principally known as the painter of works such as Beata Beatrix and The Day-Dream.
>ANSWER: **D**ante **G**abriel **Rossetti**

[10] Unlike Rossetti, he did not have the option of retrieving his earliest poems, as he burnt them when he became a Jesuit priest. Many of his published verses reflect his religious vocation, but works like "Pied Beauty" are considered more notable for their groundbreaking metrical style.
>ANSWER: Gerard Manley **Hopkins**

[10] Thomas Hardy once said that America had produced only two great things: the skyscraper and her poetry. "The Ballad of the Harp-Weaver", along with several other works from the early Twenties, won her the second-ever Pulitzer Prize for Poetry.
>ANSWER: Edna St. Vincent **Millay**

8. Everyone knows that fluorine, chlorine, bromine and iodine are collectively called the halogens. For the stated number of points, give these names associated with other groups of the Periodic Table.

[5] Also known as Group 2, this group includes magnesium, calcium and strontium, and is named for the elements' basic oxides.
>ANSWER: **alkaline earth** metals; DO NOT ACCEPT "alkali" or "alkali earth")

[10] Tellurium, selenium and sulfur are all members of this group, which are widely investigated for their applications in semiconducting nanomaterials.
>ANSWER: **chalcogens** (correctly pronounced with initial "k", not "ch", but be lenient)

[15] Phosphorus and arsenic are members of this group, whose name stems from the Greek for "choke", referring to the noxious quality of several of its members.
>ANSWER: **pnictogens** -- again, be lenient with pronunciation)

9. Answer some questions about a recent election for the stated number of points.

[10] For ten points, all-or-nothing, identify the country which held a still-disputed general election on July 2nd, 2006, AND its outgoing president, who could not stand for re-election.
>ANSWERS: **Mexico** and Vicente **Fox** Quesada

[10] Identify the conservative candidate, leader of the National Action Party, who is described by the Mexican press as "virtual winner" of the election, with a margin of less than 0.6% over his nearest competitor.
>ANSWER: Felipe de Jesús **Calderón** Hinojosa

[10] Identify that nearest competitor, the candidate of the leftist Party of the Democratic Revolution.
>ANSWER: Andrés Manuel **López** Obrador

10. Answer some related questions about Canadian musicians for the stated number of points.

[10] This lo-fi group from Moncton was the first Canadian band signed to Sub Pop, and released *Love Tara*, *Forever Again*, and *Purple Blue* on that label, in addition to several EPs, before breaking up in 1996.
>ANSWER: **Eric's Trip**

[10] Eric's Trip frontman Rick White started this group as a solo project after the breakup; Mark Gaudet, drummer for Eric's Trip, has since joined the band, as well as Rick's wife Tara and a second guitarist, Dallas Good. Their albums include *Parts 1-3*, *The Starioscopic Scary Show*, *Eerieconsiliation*, and last year's *August*.
        ANSWER: **Elevator** (accept **Elevator to Hell** or **Elevator Through**)

[10] This Acadian musician got her start playing bass in Eric's Trip; she was persuaded to join the band by Rick White, whom she was dating at the time. She has released eight solo albums since the breakup of Eric's Trip, as well as collaborating with other groups; she won a Juno in 2000 for an album with the Wooden Stars, and more recently released a split CD with Austin-based Okkervil River.
        ANSWER: **Julie Doiron**

11. 5-10-15, identify some important Vietnamese guys, none of whom is Zarya's boyfriend.

[5] Name the general who led the Viet Minh from Dien Bien Phu through the end of the Vietnam War.
        ANSWER: Vo Nguyễn **Giap**

[10] This first President of Vietnam antagonized most of his populace with pro-Catholic, anti-Buddhist policies, efforts spearheaded by his sister-in-law, "Dragon Lady" Madame Nhu. The US government withdrew their support from him in 1963, and gave the go-ahead for a coup d'état by General Dương Văn Minh, during which this President was assassinated.
        ANSWER: Ngô Đình **Diệm** (pronounced "ziem", or similar – be lenient)

[15] This figurehead, alternately a puppet of the French and the Japanese, was the final Emperor of Vietnam, reigning from 1925 until Diem had him removed by referendum in 1955.
        ANSWER: **Bảo Đại** (PROMPT on "Nguyễn Vĩnh Thụy" or "Nguyễn Phúc Thiển", which were his names before becoming emperor)

12. Answer some questions about an author and his work for ten points each.

[10] For ten points, this novel tells the story of Robert Ross, a Canadian soldier in the First World War, through the eyes of a historian researching him and the recollections of those who knew him. It won the Governor-General's Award in 1977.
        ANSWER: **The Wars**

[10] Who wrote The Wars?
        ANSWER: Timothy **Findley**

[10] For ten, this novel by Findley retells the story of the flood in Genesis from the perspectives of Noah's family, including Mottyl the cat, Noah's blue son Japheth, and Lucy, his seven-foot-tall daughter-in-law, later revealed to be a homosexual Lucifer in drag.
        ANSWER: **Not Wanted on the Voyage**

13. Answer some questions about northern sovereignty for the stated number of points.

[10] Every summer since 1982, the Canadian Forces have conducted a sovereignty exercise on Ellesmere Island. Name this operation, which shares its name with a more famous one from World War II as well as the first British atomic bomb test.
        ANSWER: **Operation Hurricane**

[5] In recent months, some of those who feel the Canadian North is overlooked by the rest of the nation have suggested an alteration to the country's official motto to recognize the growing importance of Canada's arctic coast. What is their suggestion for the new, improved motto?
ANSWER: **"From sea to sea to sea"**

[15] What Member of Parliament, the only one from the Northwest Territories, is tabling a private member's bill to push the change of the motto?
ANSWER: Dennis **Bevington**

14. Answer some questions about people who almost ruled England for ten points each.

[10] The first Prince of Wales born following the Wars of the Roses, he was given a name free of either Lancastrian or Yorkist connections, instead suggesting a new Golden Age of the monarchy. He was married to Katherine of Aragon at 15 but died six months later of a fever. His younger brother eventually inherited the throne as Henry VIII.
ANSWER: **Arthur** Tudor, Prince of Wales

[10] Although she legally inherited the throne on the death of her father, Henry I, in reality it was quickly usurped by her cousin Stephen of Blois. She managed to wrest control of the country a few times during a twelve-year civil war, styling herself "Lady of the English" rather than Queen, before she was forced to retreat to France. Her son eventually succeeded Stephen as Henry II.
ANSWER: Empress **Matilda** or **Maud**

[10] Henry II's oldest survivng son, he was actually crowned king of England twice, both times while his father was still on the throne, in an attempt to guarantee his succession. His coronations carried no power and he is not generally considered an English monarch. He also rebelled against his father twice, in 1173 and 1183, but died suddenly during the second rebellion, and the succession passed to his brother, later Richard I.
ANSWER: **Henry** the **Young King**

15. Identify some important linguists, none of whom is Noam Chomsky, for ten points each.

[10] This pioneer of semiotics and structural linguistics is considered the father of modern linguistics. He developed the concept of the linguistic sign, a necessarily arbitrary relationship between a signifier, or "sound image", and the concept or thing which it signifies. He also made important contributions to phonology, as in the development of laryngeal theory.
ANSWER: Ferdinand de **Saussure**

[10] This British linguist has been a vocal advocate for the preservation and revitalization of the Welsh language, and has authored many academic and popular books, including *English as a Global Language, Language and the Internet,* and *Language Death*.
ANSWER: David **Crystal**

[10] He remains one of the most influential figures in both American and Canadian linguistics, having published several seminal works including *Language* as well as conducting research into Navajo, Chinook, Nuu-chah-nulth and many other indigenous languages of the West Coast. The theory for which he is most famous, however, was in fact largely developed by the student who shares credit with him.
ANSWER: Edward **Sapir**

16. Identify these Islamic dynasties from clues for the stated number of points.

[10] This Sunni dynasty, conquerors of the Umayyads, ruled most of the Muslim world for 500 years until the rise of the Mamluks and their eventual overthrow by the Mongols under Hulagu Khan.
ANSWER: **Abbasids** or **Abbasid** dynasty/caliphate (accept equivalents)

[5] This Egypt-based Shia dynasty ruled much of the Middle East from the tenth to twelfth centuries. Their founder, Abdullah al-Mahdi Billah, traced his descent from the Prophet Mohammed through his son-in-law Ali and the woman for whom the caliphate was named.
ANSWER: **Fatimids** or **Fatimid** caliphate (or dynasty, or similar)

[15] In 1169, the Fatimids were overthrown by Saladin, general of Nur ad-Din. In 1174, after Nur al-Din's death, Saladin seized power for himself, founding this Sunni dynasty centred on Syria but controlling territory all the way to modern-day Sudan.
ANSWER: **Ayyubids** or **Ayyubid** dynasty/caliphate/accept equivalents

17. 5-10-15, answer these questions about some of our neighbours.

[5] This ternary system, one of the brightest stars visible from the Southern Hemisphere, is the solar system's nearest neighbour.
ANSWER: **Alpha Centauri** OR **Rigil Kentaurus** (PROMPT on "Proxima Centauri")

[10] Located 7.8 light-years from our solar system, this fourth-closest star is a red dwarf, invisible to the naked eye. It is probably better known as the site of a pivotal confrontation with the Borg.
ANSWER: **Wolf 359**

[15] Nearer than Wolf 359 but farther than Alpha Centauri lies this star, whose supposed Jupiter-sized planet fueled hundreds of science-fiction speculations until the claim was debunked in the 1980s.
ANSWER: **Barnard's Star**

18. Given an important battle from Indian history, give the year in which it occurred for fifteen points, or five if your answer is correct to within three years.

[15/5] The first Battle of Panipat, which marked the founding of the Mughal Dynasty by Babur.
ANSWER: **1526** (FIVE POINTS for **1523**, **1524**, **1525**, **1527**, **1528**, or **1529**)

[15/5] The Battle of Plassey, which resulted in the cession of Bengal to the British East India Company, a major landmark on the way to British control of India.
ANSWER: **1757** (FIVE POINTS for **1754**, **1755**, **1756**, **1758**, **1759**, or **1760**)

19. 5-10-15, answer some questions about a religious holiday.

[5] This holiday is celebrated annually on the 14th day of Adar, except in Jerusalem, where it is celebrated on the 15th. It generally falls in March in the secular calendar, and is based around the story of Queen Esther.
ANSWER: **Purim**

[10] Name the principal villain of the Book of Esther, who would have had all the Jews of Persia killed if not for the Queen's intervention.
ANSWER: **Haman**

[15] These are a traditional food of Purim, shaped like the aforementioned villain's hat and containing poppyseed or other sweet filling.
ANSWER: **hamantasch**en (accept **oznei Haman**)

20. For the stated number of points, answer these questions about phonology.

[5] This is the quality which distinguishes sounds like "b, d and g" from "p, t and k". All vowel sounds possess this quality.
ANSWER: **voice** (accept equivalents, e.g. **voicing**)

[10] This is the class of consonants to which "p, t, k, b, d, and g" all belong.
ANSWER: **stop**s or **plosive**s

[5] Fundamental units of sound, like these stop consonants, are given this name.
ANSWER: **phoneme**s

[10] To demonstrate that two sounds are independent phonemes in a given language, linguists will look for these, sets of words which differ by only a single phoneme.
ANSWER: **minimal pair**s

21. 30-20-10, identify the country from clues.

[30] Along with Liechtenstein, it is one of only two "doubly landlocked" countries, meaning one would have to cross two other countries in order to reach a coastline in any direction.

[20] It possesses four small exclaves within Kyrgyzstan, all located in the Ferghana Valley, and also contains one Kyrgyz enclave in the same region.

[10] Its capital is at Tashkent.
ANSWER: Republic of **Uzbekistan**

22. Answer some questions about Hindu scripture for ten points each.

[10] This discourse on Yogic philosophy is delivered in the form of a conversation between Prince Arjuna, overcome by doubt about the battle he is about to fight, and his charioteer, Krishna. J. Robert Oppenheimer quoted from it upon the first detonation of the atomic bomb.
ANSWER: **Bhagavad Gita**

[10] The Bhagavad Gita is part of this larger epic, one of the longest such works in the world at nearly two million words.
ANSWER: **Mahabharata**

[10] The Mahabharata also contains a condensed version of this other major Sanskrit epic, which relates the story of the titular prince's quest to retrieve his wife Sita, abducted by the demon Ravana.
ANSWER: **Ramayana**