

1. (UNC/CS) This novel shares its name with a record album by the hip-hop band The Roots, but both titles ultimately come from a William Butler Yeats poem. Describing the life of an African community before and after its discovery by Europeans, this story focuses on its Ibo protagonist, a wrestling champion and chief of Umuofia who exemplifies the inner deterioration felt by his community. Name, FTP, this Chinua Achebe novel featuring Okonkwo, who witnesses 'mere anarchy loosed upon [his] world'.

Answer: Things Fall Apart

2. (DF/SK) Unusual optical phenomena can be observed with relation to this object. An the occasional "green flash" which sometimes appears when it is on the horizon, and sometimes when it is obscured "Bailey's Beads" can be seen. Orbiting the center of the Milky Way galaxy at a distance of about 25,000 to 28,000 light-years from the galactic center and completing one revolution in about 225-250 million years, it is classified by the designation G2 V, and while its surface temperature was speculated once to have been be about 75 percent of what it is now, which is in the neighborhood of 5,500 Kelvin. For 10 points name this star which generates energy by nuclear fusion of hydrogen nuclei into helium, enabling it to support life on its third satellite, Earth.

Answer: Sun or Sol

3. (NGC) Influenced by choreographer Lester Horton and studying under Martha Graham, he danced in the Broadway production of Truman Capote's House of Flowers in 1954. Staying in New York, he founded his own dance company featuring primarily African American dancers and choreographed such works as Revelations and Leonard Bernstein's Mass. For ten points, name this choreographer noted for blending African, modern, and jazz elements.

Answer: Alvin Ailey

4. (JV/SK) Under the slogan "Abolish Poverty" this leader won reelection as Prime Minister in 1971 but four years later accusations of electoral fraud led to the declaration of a State of Emergency and the imprisonment of political opponents. Stepping down in 1977 but returning to power in 1980, the implementation of Operation Blue Star to remove alleged Sikh terrorists from the Golden Temple in Amritsar ultimately led to the assassination of this figure by Sikhs from her own bodyguard. The daughter of Jawarharlal Nehru and mother of India's next Prime Minister Rajiv, for 10 points name this Indian politician whose surname came from her husband and not the famous but unrelated Indian advocate of nonviolence whose name she shares.

Answer: Indira Gandhi

5. (NGC/CS) The second most populous island in the world after Java, it is about 800 miles long with a population of over 98 million. While bridges connect it to other nearby islands, the Seikan (*say-can*) Tunnel connects this island to Hokkaido (*hoe-kie-doe*). For ten points, name this largest island of Japan which contains the capital Tokyo.

Answer: Honshu or Hondo

6. (DF/SK/CS) It was based on a play by Maureen Dallas Watkins, who covered the trials of Beulah Annan and Belva Gaetner. In one tune, a luckless sap explains that he is so invisible that he might as well be cellophane. Another features the refrain "Pop, six, squish, unh uh, Cicero, Lipschitz" which is used by some inmates to explain their current condition., two of whom ultimately secure the services of lawyer Billy Flynn. Concerning the exploits of Velma Kelly and Roxie Hart in the namesake city in 1924, for 10 points name this Bob Fosse musical whose screen adaptation won the 2002 Oscar for Best Picture of the Year.

Answer: Chicago or *Chicago: A Musical Vaudeville* (full name)

7. (MSU/SK) It is in fact hardly a paradise by modern standards, as slavery was common and could be inflicted upon thieves, people who traveled without passports, and adulterers, whose repeated offense in this area meant death, while premarital sex would result in the forbidding of marriage. Gold is not valued save for its use in chaining slaves and the making of chamber-pots, and there is no private ownership of anything here. Still, anyone may stay who wishes, and those who desire are allowed to leave. Located on an island somewhere in the Americas and described by Raphael Hythloday, this is, for 10 points, what society created by Sir Thomas More, whose name has come to describe any ideal place?

Answer: Utopia

8. (AR/SK/CS) Along with the head of the National Oceanic and Atmospheric Administration the holders of this office are given the title of Rear Admiral and a uniform similar to that of a Naval Admiral, and they head a Federal Uniformed Service with no military role. The position is now temporarily held by Kenneth Moritsugu after the retirement of Richard Carmona. While its office has many responsibilities, it is through the duty to educate the public on threats to physical well-being that brought prominence to such former officeholders as C. Everett Koop and Joycelyn Elders. For 10 points name these chief medical officers of the United States, whose ubiquitous warnings appear on all packs of cigarettes.

Answer: U.S. Surgeon General

9. (MSU/SK/CS) In 1956 Frederick Reines and Clyde Cowan wired Wolfgang Pauli to congratulate him for having postulated the particle which they had just experimentally proven; though discovery of a second kind earned the team who found it a Nobel Prize in 1988, Reines had to wait until 1995 for his, by which point Cowan had died. The 1988 team consisted of Melvin Schwartz, Jack Steinburger, and Leon Lederman; their discovery, the type emitted by the pi-meson, was classified as the "muon" type to distinguish it from the "electron" type discovered by Reines and Cowan and predicted by Pauli to explain the apparent loss of energy in the process of beta decay. For 10 points name these chargeless, almost massless, one-half unit spin leptons, whose name as coined by Enrico Fermi is an Italian diminutive of the name a larger chargeless particle.

Answer: neutrinos

10. (MSU/SK) Before his groundbreaking works produced in the 1780s his first forays into philosophy include such curious works as *Dreams of a Visionary Described by a Dreams of the Metaphysic*, *The Only Possible Argument in Support of a Demonstration of the Existence of God*, and *Observations on the Feeling of the Beautiful and Sublime*. He defended the thesis of his major work with the short *Prolegomena to any Future Metaphysics*. His most noted contributions include the concept of the Categorical Imperative and three major discussions of rationality. For 10 points name this philosopher responsible for *Critique of Judgment*, *Critique of Practical Reason*, and *Critique of Pure Reason*.

Answer: Immanuel Kant

11. (CS) Comic relief and the commoner's perspective are provided in this work by Wamba the jester and Gurth the swineherd. Villains include Reginald Front-de-Boeuf and Brian de Bois-Guilbert. Eye candy is provided by Rebecca, daughter of the Jewish moneylender Isaac of York, and Cedric the Saxon's niece Rowena. And thrown into the mix are Robin Hood, Friar Tuck, and a poorly-disguised Richard Coeur-de-Lion. FTP name this novel by Sir Walter Scott.

Answer: Ivanhoe

12. (NGC/CS) In 1907 Emil Fischer successfully demonstrated the nature of their bonds by synthesizing chains of these molecules. Aspartame and monosodium glutamate are both derived from this group of molecules which include tryptophan and lysine. Of the 20 standard ones, at least eight are considered essential in humans who cannot produce them and must take them in through food. For ten points, name these acids which, by forming polypeptide bonds, are the building blocks of proteins.

Answer: Amino Acid(s) [accept **peptide bonds** before "derived from"]

13. (JV/SK) Some nine years after it ended it was championed in the mayoral address of one of its participants, Harrison Otis, who was the most prominent member although its President was George Cabot. No records were kept probably due to the sensitive nature of what was being discussed, though they did release a document at the end which recommended that no president be elected twice, that no two in a row come from the same state, and that the three-fifths compromise be repealed, all reactions to the "Virginia Dynasty" and in particular to James Madison due to his conduct of the war of 1812. Making the Federalists widely unpopular following the victory at New Orleans and the Treaty of Ghent due to its advocacy of secession, for 10 points name this 1815 meeting that took place in a city in Connecticut.

Answer: The Hartford Convention

14. (NGC/CS) This software company first gained notice in the 1980s for *Q & A*, a combination word processor and database program. Switching to acquisition rather than development in the 1990s, it has become a major provider of software for information management and anti-virus programs. For ten points, name this company which produces the Veritas and Norton products.

Answer: Symantec

15. (MSU/SK) Its fourth piece was later used as the basis for the patriotic hymn "I vow to thee my country," also known by the name of the British town of Thaxted where the composer lived. In the year 2000 an additional piece called "The Renewer" was written and dedicated to the original composer's daughter, and on its debut was seamlessly added onto the original final piece called "The Mystic". Its composer used Alan Leo's *What is a Horoscope and How is it Cast* for inspiration as well as the subtitles for the seven parts of his suite, including "Bringer of Old Age", "Bringer of Jollity", "Bringer of Peace", and, perhaps most famously, "Bringer of War". For 10 points name this work, inspired more by astrology than astronomy, perhaps the most famous work of Gustav Holst.

Answer: The **Planets**

16. (DF/SK) According to the *Aeneid* Book 6 <sup>the</sup> atmosphere of this place is supersaturated with oxygen and it has its own sun and stars which bathe it in purple light. While in Book 11 of the *Odyssey* one inhabitant of it complains that he would rather be the meanest slave than be here, it is elsewhere described as being a place where neither snow, nor storms, nor rain bother people, ruled in peace by Rhadamanthus of Crete. Sometimes associated with the similar Isles of the Blessed, for 10 points name this part of the Greek mythological underworld where the good are sent to spend eternity.

Answer: **Elysian Fields** or **Elysian Plains**

17. (AR/JV) This author's first novel *The Cabala* is set in Italy and follows the main character Samuele as he meets members of the title group. His next novel won a Pulitzer in 1928, and tells the story of several unrelated people in Peru, who happen to be on the title structure when it collapses. Though he also wrote the screenplay for Alfred Hitchcock's thriller "Shadow of a Doubt," this writer is most famous for his plays, including a Pulitzer for Drama in 1942 for "The Skin of Our Teeth." FTP name this American, author of *The Bridge of San Luis Rey* and "Our Town."

Answer: **Thornton Wilder**

18. (NGC/CS) This man was apparently unaware of similar research by the Hungarian Ignaz Semmelweis, whose own death might have been prevented if his findings had become widely known. After studying the works of Louis Pasteur on germ theory, this British surgeon and inventor of the carbolic steam sprayer discovered that microorganisms in the air caused sepsis, which killed 50% of patients after a major surgery. By applying carbolic acid to instruments as well as the wounds and dressing, he reduced mortality to 15%. For ten points, who is this surgeon credited with discovering antiseptics.

Answer: **Joseph Lister**

19. (NGC/CS) This character was created by author Eric Knight in a short story published in 1938 in the Saturday Evening Post. The first performer hired to portray the role on film was soon replaced by a stunt double under the tutelage of Rudd Weatherwax. Although she appeared in at least eight feature films and two television series, those who played her were always male. For ten points, name this super-intelligent dog who always seemed to be saving Timmy.

Answer: **Lassie**

20. (NGC/CS) He was born in what is now Serbia; his father was an army officer, and his mother Helena was eventually canonized as a saint. One account states that he was shown a sign in a dream with the message "Conquer by this." Bearing banners with the Chi-Rho upon them, he defeated Maxentius to become the next ruler. The Edict of Milan and the Council of Nicaea soon followed. For ten points, name this first Roman emperor to convert to Christianity.

Answer: **Constantine**

21. (Val) Founded in 1652, it was meant only to serve as a port for ships en route to Indonesia from Europe, but it also served to take the much repressed Huguenots from their motherland. In 1806, the British used Napoleon's conquest of the Netherlands as a pretext to take this very significant place. For Ten Points, name this city, the legislative capital of South Africa and place where Nelson Mandela was imprisoned before being transferred to Robben Island Prison.

Answer: **Cape Town**

22. (Val) "We should hear you more on our televisions. You should hear us more on yours." "You are a lawyer for capitalism and I am a lawyer for communism. Let's compare." After being shown a washing machine, one participant declared, "We have such things." Taking place at the American National Exhibition, the American vice-president was widely perceived as the victor. For ten points, name this impromptu debate in which Nikita Khrushchev and Richard Nixon discussed the merits of communism and capitalism.

Answer: **kitchen** debate



1. (TV/CS) Given a description of a mythological artifact, identify its owner, FTPE.

[10] The impenetrable pelt of the Nemean lion ended up being worn as the armor of this legendary hero who slew the beast for the first of his Twelve Labors.

Answer: Heracles or Hercules

[10] The dwarves Brok and Eitri created a number of artifacts, including Mjollnir, the mighty hammer of this Norse god.

Answer: Thor

[10] Used to slay Karna in the *Mahabharata*, the mythical bow Gandiva was given to this Pandava prince by the fire god, Agni.

Answer: Arjuna

2. (TV/CS) Identify the following parts of the brain from clues, FTPE:

[10] This is the outermost layer of the brain. It takes its name from the Latin for "bark."

Answer: cortex

[10] The ventral part of the vertebrate forebrain, it functions in maintaining homeostasis, especially in coordinating the endocrine and nervous systems.

Answer: hypothalamus

[10] This is the band of nerve fibers that connect the right and left cerebral hemispheres of the brain. It is the largest white matter structure in a mammalian brain.

Answer: corpus callosum

3. (NGC/CS) For ten points each, name these Dr. Seuss books based on the quote.

A) "I do not like them in a box./ I do not like them with a fox./ I do not like them in a house./ I do not like them with a mouse."

Answer: Green Eggs and Ham

B) "I'm ruler [...] of all that I see./ But I don't see enough. That's the trouble with me./ With this stone for a throne, I look down on my pond/ But I cannot look down on the places beyond."

Answer: Yertle the Turtle

C) "And he sat all that day/ And he kept that egg warm..../ And he sat all that night/ Through a terrible storm."

Answer: Horton Hatches an Egg

4. (BB/SK/CS) Identify the following about electoral opponents of Franklin Delano Roosevelt FTSNOP:

1. (5 points) Few remember that before contracting polio, FDR was the Democratic Vice-Presidential nominee in 1920. For 5 pts., name his Republican counterpart who became President on the death of Warren G. Harding..

Answer: Calvin Coolidge

2. (10 points) In 1944 Roosevelt entered into his fourth term by defeating this man, who didn't have much better luck against Truman in the next election in spite of one Chicago newspaper's embarrassing report to the contrary.

Answer: Thomas Dewey

3. (15 points) In 1940 FDR defeated this man, a longtime Democrat with Wall Street ties who was nominated by the Republicans for his opposition to TVA and what were wrongly interpreted to be isolationist tendencies; he later became a strong supporter of FDR and plans to form the UN.

Answer: Wendell Willkie

5. (TV/CS) Identify these terms from linear algebra from clues, FTPE:

[10] Agent Smith will tell you that the first was designed to be a perfect human world, but it's really just an arrangement of numbers into rows and columns.

Answer: matrix

[10] This is the type of linear transformation that maps every element of vector space A to a corresponding element of vector space B, such that no two elements of A map to the same element of B.

Answer: one to one

[10] Used to describe the solution to a system of linear equations with Cramer's rule, this associates a scalar value with a matrix. If the scalar is zero, then the matrix is not invertible.

Answer: determinant

6. (SG/SK) Identify the American author based on works, 30-20-10.

1. (30 points) Less well-known works of his include his later *Adventures of Captain Bonneville* as well as biographies like *Life of Oliver Goldsmith* and *Mohammad and his Successors*. Other pieces include juvenilia like *Salmagundi*; or, *The Whim-Whams and Opinions of Launcelot Langstaff, & Others*.

2. (20 points) Better known are pieces like *The Alhambra* and *A History of New York... by Diedrich Knickerbocker*

3. (10 points) His *The Crayon Miscellany*, building on his earlier *The Sketch Book of Geoffrey Crayon* which contains pieces like "Rip Van Winkle" and "The Legend of Sleepy Hollow"

Answer: Washington **Irving**

7. (DF/SK) The 56 tallest mountains in the world are all in Asia. Answer the following questions about the tallest world mountains *not* in Asia, 10 points each.

1. The tallest non-Asian mountain in the world is this one in the Andes of Argentina.

Answer: **Aconcagua**

2. The tallest North American mountain is this one in Alaska.

Answer: Mt. **McKinley** or **Denali**

3. The tallest mountain in Africa is this volcanic massif in Tanzania.

Answer: Mt. **Kilimanjaro** (Tanzania)

8. (DF/SK) Answer the following about automobile logos on a 10-5 basis.

1. (10 points) This company's logo bears four rings which represent four companies which merged into the German Auto-Union consortium in 1932; this member company continued using the logo after the consortium was dissolved.

(5 points) Founder by August Horch, its name is a Latin translation of Horch's name, which means "Hear!", and it is famous for the four-wheel drive "Quattro" system used in such models as the 5000.

Answer: **Audi**.

2. (10 points) This company's current symbol consists of two ellipses depicting the heart of the customer and the heart of the product, surrounded by a circle of endless possibilities.

(5 points) Popular models include the Corolla and Camry.

Answer: **Toyota**

3. (10 points) On the merger of the two companies that would eventually combine to create this automobile, one of its chief designers came up with a three-pointed star for a logo based on the availability of his motors for land, sea and air.

(5) Now a subsidiary of Daimler-Chrysler, among its vehicles are those classified as the B or SLR McLaren class.

Answer: **Mercedes-Benz**

9. (BB/SK) Name these items used in physics lab, 10 points each.

1. For small angles, the period of this simple swinging device can be calculated as two pi times the square root of length divided by the acceleration due to earth's gravity.

Answer: **pendulum**

2. Lissajous curves are often seen when two signals are sinusoids of varying frequency and phase on these time-voltage measuring devices, which were invented by Ferdinand Braun.

Answer: cathode-ray **oscilloscope(s)**

3. This device is used to measure an unknown electrical resistance. It consists of two parallel circuits, one of which contains two resistors of known resistance, connected to a galvanometer.

Answer: **Wheatstone** bridge

10. (JV/SK/CS) He left \$50,000 to establish a school for homeless orphans to be named after him, but he was otherwise quite a jerk. For 10 points each:

1. Name this U.S. Representative from Pennsylvania, leader of the Radical Republicans and virulent abolitionist who largely set the course for a harsh Reconstruction.

Answer: Thaddeus **Stevens**

2. When this President resisted his efforts, Stevens proposed that he be impeached and used the firing of Secretary of War Edwin M. Stanton as the excuse.

Answer: **Andrew Johnson**

3. Stevens was instrumental in drafting this amendment to the Constitution which defined citizenship and guaranteed due process and equal protection under the laws after its passage in 1869.

Answer: the **Fourteenth** Amendment

11. (AR/JV) Name these Post-Impressionist artists FTPE.

(10) Infamous for cutting his ear off and generally being crazy, this Dutch is best known for works like *The Potato Eaters*, *The Night Cafe*, and, of course, *Starry Night*.

Answer: Vincent **Van Gogh**

(10) This French painter is often considered a bridge between Impressionism and later movements like Cubism. Some of his famous works include several still-lives with fruit and *The Mount Sainte-Victoire*.

Answer: Paul **Cézanne**

(10) This man, disparaged by the art world in his time and given the nickname "Le Douanier (luh-dwah-nee-ay)," is remembered for works with jungle scenery, like *The Sleeping Gypsy*.

Answer: Henri **Rousseau**

12. (DU/JV/CS) *Animal Farm* by George Orwell isn't just a good read and a short one, but also an allusion to the rise of the Soviet Union. Given the type of animal and the person or persons it represents, name the animal character FTPE.

(10) Pig; Joseph Stalin

Answer: **Napoleon**

(10) Also a pig; Leon Trotsky

Answer: **Snowball**

(10) Horse; the Proletariat

Answer: **Boxer**

13. (TV/CS) The *Titanic* wasn't the only maritime disaster of the 20<sup>th</sup> century. FTPE:

[10] Torpedoed by a German U-boat, this British ocean liner's 1915 sinking helped to bring the US into World War I.

Answer: RMS **Lusitania**

[10] On July 25, 1956, this Italian Line ocean liner collided with the *Stockholm* off the coast of Nantucket.

Answer: SS **Andrea Doria**

[10] What many consider to be the only French naval victory of the 20<sup>th</sup> century was the 1989 sinking of the *Rainbow Warrior*, an unarmed ship belonging to this environmental activist organization.

Answer: **Greenpeace**

14. (OK/SK) It is subdivided into two periods, the Paleogene and the Neogene, and these in turn are divided into seven epochs. For 10 points each:

1. Name this Era, which began when the K-T extinction event killed off the dinosaurs and marked the end of the Mesozoic.

Answer: **Cenozoic**

2. Between the Eocene and Pliocene epochs was this one in which the first real mammals appeared, as well as the first flowering plants.

Answer: **Oligocene**

3. Beginning with the retreat of the Pleistocene glaciation, this epoch is the current geologic period and has included the development of all human civilization, as well as the extinctions of megafauna and other animals up to this very day.

Answer: **Holocene** Epoch

15. (DF/SK/CS) Answer the following questions about the 2006 FIFA World Cup this past summer, 10 points each.

1. As you know, the U.S. did not advance from Pool E, nor did the highly regarded Czech Republic team. Both were beaten by this African team, rewarded with a ticket to the round of 16 where they had to face Brazil.

Answer: **Ghana**

2. The host nation and one of the favorites, they lost in the semifinals to Italy on two quick goals at the end of overtime.

Answer: **Germany**

3. What aging German goalkeeper, named best player in the 2002 World Cup, spent most of the '06 campaign on the bench but finally got a chance to play in their third place consolation game victory?

Answer: Oliver **Kahn**

16. (TV/CS) Answer the following about an anthropological work published in 1928, FTPE:

[10] Set in the south Pacific, this book describes the social structure on its titular island, especially teenage relationships.

Answer: **Coming of Age in Samoa**

[10] This American woman wrote *Coming of Age in Samoa*, a work which outlined her belief in cultural determinism.

Answer: Margaret **Mead**

[10] Mead later worked on *A Rap on Race* with this African-American author of *Go Tell it on the Mountain*.

Answer: James **Baldwin**

17. (TV/CS) Poems from lines, FTPE:

[10] "It matters not how straight the gate / How charged with punishments the scroll / I am the master of my fate / I am the captain of my soul."

Answer: **"Invictus"**

[10] "A damsel with a dulcimer / In a vision once I saw: / It was an Abyssinian maid, / And on her dulcimer she played, / Singing of Mount Abora."

Answer: **"Kubla Khan"**

[10] "When the stars threw down their spears, / And watered heaven with their tears, / Did he smile his work to see? / Did he who made the Lamb make thee?"

Answer: "The **Tyger**"

18. (MSU/SK/CS) Identify the following wars based on clues on a 10-5 basis.

(10) Known as Queen Anne's War in the new world, its important figures included the generals John Churchill, Duke of Marlborough and Eugene of Savoy, responsible for the great victories at Malplaquet, Oudenarde, and Blenheim.

Answer: War of the **Spanish Succession** (accept "Queen Anne's War" on the 10 point)

(10) Fought between 1870-1871 between its namesake powers, it was ended by the Treaty of Frankfurt. Napoleon III personally led the forces which surrendered to Kaiser Wilhelm I at Sedan.

Answer: **Franco-Prussian** War

(10) The losing side in this war ran into trouble from the get-go when their naval hero Admiral Stephen Makarov was killed in a naval engagement outside of what is now Lushan. Other battles include Mukden, Tsushima, and Port Arthur.

Answer: **Russo-Japanese** War

19. (UNC/CS) For ten points each, identify these functional groups.

10: It consists of a carbon double bonded to an oxygen; the carbon is also bonded to two additional R groups.

Answer: **ketone**

10: It is found at the end of a carbon chain and consists of a carbon double bonded to an oxygen and single bonded to a hydrogen; the carbon is also bonded to an R group.

Answer: **aldehyde**

10: It is also found at the end of a carbon chain and consists of a carbon double bonded to an oxygen and single bonded to an OH group; the carbon is also bonded to an R group.

Answer: **carboxylic acid**

20. (TV/CS) Speaking of key tones... Given a key of music, identify its total number of flats, FTPE:

[10] C Major

Answer: **zero**

[10] C Minor

Answer: **three**

[10] D-Flat Major

Answer: **five**

21. (NGC/CS) Given names of SUVs and mini-vans manufactured by the same company, name the company, FTPE:

a) CRV, Passport, Odyssey

Answer: **Honda**

b) Highlander, 4Runner, Sienna

Answer: **Toyota**

c) Pathfinder, XTerra, Quest

Answer: **Nissan**