

1. (CS) While praised by British critics, it was attacked in the literary journal *The Dial* as a plot to undermine American confidence in its armed forces. This is odd considering that by book's end the protagonist genuinely fights with bravery and without illusions. That protagonist is Henry Fleming, who ran with fear during his first major action only to regain respectability with a minor wound from a rifle butt to the head. FTP name this 1895 Civil War novel by Stephen Crane.

Answer: The **Red Badge of Courage**

2. (JK) **WARNING: PENCIL AND PAPER READY.** You want to find the length of the hypotenuse of a right triangle with legs of length 8 and 15. To find this, you can note that 8 and 15 make up the bases of a Pythagorean triple or you can simply solve by hand using the Pythagorean Theorem, in which case you would square the length of both of the legs and then take the square root of the their sum. For ten points, find the length of the right triangle's hypotenuse. You have ten seconds.

Answer: **17** ($8^2 + 15^2 = 64 + 225 = 289$; the square root of 289 is 17)

3. (SG/SK/CS) His more obscure pieces include two operas, *Trouble in Tahiti* and *A Quiet Place*. Among the more overtly religious of his works are the Chichester Psalms and Symphonies numbers one and three, respectively subtitled *Jeremiah* and *Kaddish*. Fellow composer Stephen Sondheim supplied some of the lyrics to this man's adaptation of Voltaire's *Candide* as well as the text for the adaptation of Shakespeare that is probably his most famous work. It was from his position as conductor and director of the New York Philharmonic Orchestra that he was able to give his "Young People's Concerts". For 10 points name this man, known for the film score for the 1954 movie *On the Waterfront* and the 1961 musical *West Side Story*.

Answer: Leonard **Bernstein**

4. (NGC/CS) While it has nothing else in common with the poinsettia, it too was named for a US Minister to Mexico, who had previously been out of Federal favor for his advocacy of nullification. It was necessitated by an inaccurate map in setting the border between US and Mexico in Treaty of Guadalupe Hidalgo. The US paid \$10 million for 29,640 sq miles of territory on which the southern route of a transcontinental railroad could be built. For ten points, name this acquisition signed in 1853 and approved in 1854, giving the United States portions of Arizona and New Mexico.

Answer: **Gadsden Purchase**

5. (TV/CS) As a consequence of this principle first discovered in 1927, a particle confined to a finite space cannot have zero kinetic energy. By knowing that a given wave packet has an energy equal to the product of its frequency and Planck's constant, one can derive the expression *delta x times delta p is greater than or equal to one-half h bar*. This can be more simply stated that for a particle, one cannot know for sure both its position and momentum. FTP, identify this famous principle from quantum mechanics.

Answer: Heisenberg **uncertainty** principle

6. (NGC/CS) It was founded in 1778 with the name Losantiville before its name was changed by Gen. Arthur St. Clair in tribute to a Revolutionary War veterans' organization. This city is home to the Underground Railroad Freedom Center and the Harriet Beecher Stowe House. Kroger supermarkets and Procter and Gamble are both headquartered here, and one of its former mayors is none other than Jerry Springer. For ten points, name this southwestern Ohio city which boasts the first professional baseball team in the US, originally called the Red Stockings.

Answer: **Cincinnati**, Ohio

7. (TV/CS) When Edward VI died, his half-sister Mary was next in line for royal succession. Since Mary was a Roman Catholic, John Dudley, Duke of Northumberland, sought a Protestant heir to quell potential religious intolerance. To solve this problem, he chose this 16-year old who accepted the crown, but was dwarfed by Mary's overwhelming popularity. Thus, in just nine days her reign was over and she was deposed. FTP, who was this brief queen of England who later died at the Tower of London?

Answer: Lady **Jane Grey**

8. (TV/CS) Followers of this religion were divided into three classes: prophets, priests, and bards. In it, the oak tree and mistletoe were held in great reverence and stone dolmen were likely used as altars and temples. Eventually supplanted by Christianity, this neopagan faith survived until the 2nd century AD in Gaul and the British Isles. FTP, what was this ancient Celtic religion which literally translates as "Knowing the Oak Tree?"

Answer: **Druidism**

9. (TV/CS) Described as a "comely, handsome fellow...about twenty-six years of age," he impresses the narrator by cutting off a man's head "so cleverly, [that] no executioner in Germany could have done it...better." When discussing religion, the narrator notes the peculiarity of this man's god, Benamuckee who accepts even those eaten by this man's people. His cannibalism is eventually suppressed after being converted to Christianity by his European master who had rescued him from other island savages. FTP, name this companion of Robinson Crusoe.

Answer: **Friday**

10. (TV/CS) Issue #187 of the webcomic *Applegeeks* argues why this character would make the perfect serial killer since seemingly no wall can hold him back. First seen in 1975, he would go on to star in an Atari 2600 game as well as his own comic book, both of which showed him defending the Earth from aliens known as Thirsties. Though they possessed advanced space technology, they were no match for red powdered sugar, some water, and a heroic battle cry. FTP, identify this pitcher-shaped mascot who frequently yells, "Oh, Yeah!"

Answer: **Kool-Aid Man**

11. (TV/CS) By measuring the density of the occurrence of these parts of a plant, scientists can gain insight into the levels of carbon dioxide in past climates. Because they account for about 90% of a plant's water loss, their opening and closing are strictly regulated by a pair of guard cells which control their diameter. They are also used to facilitate gas exchange with the release of oxygen and the intake of CO₂. FTP, identify these tiny pores on the underside of leaves.

Answer: **stomata**

12. (NGC/CS) Identified by the Egyptians as a heron-like bird called a benu, it is a male bird with red and gold plumage that makes its nest from cinnamon twigs. The Greeks renamed it and depicted it as a peacock or eagle though, like the Egyptians, they still identified it with the rising sun. For ten points identify this firebird which dies and is reborn.

Answer: **Phoenix**

13. (TV/CS) A final ransom of \$53 million in food and medicine was negotiated by James B. Donovan in order ensure the safe release of the 1,100 men held prisoner after this event. Two days before it took place, three US-made planes bombed target air bases, allowing for the *Houston*, *Rio Escondido*, *Caribe*, and *Atlantico* to drop off their passengers, who were captured shortly thereafter by the forces of Arnolando Sanchez and Che Guevara after failing to instigate a local uprising. FTP, identify this abortive invasion of Cuba that sought to overthrow Fidel Castro.

Answer: **Bay of Pigs** invasion

14. (JV) Elaine Radford, in a literary article, says that this character is used by the author to get readers to sympathize with Hitler, while Norman Spinrad has argued that he commits several murders and even genocide of an entire race of aliens but is still made to be the hero. He is, of course, only a child who is sent to a space station to learn battle tactics while overcoming the fact he is the younger than everyone else. This describes, FTP, what protagonist of works like *Speaker For the Dead* and *Children of the Mind*, the most famous character of Orson Scott Card with an eponymous "game"?

Answer: **Ender Wiggin** (accept either)

15. It has its origins in the private collection of its name, who was guided by German artist Hilla von Rebay to buy works by the likes of Klee [CLAY], Kandinsky, and Chagall. Founded in 1937 with Rebay as its first curator, it moved to its present location, a building designed by Frank Lloyd Wright, in 1959. Named for an American industrialist and philanthropist, for ten points, name this museum of modern and contemporary art that resembles a white, gently sloping spiral.

Answer: **Guggenheim** Museum

16. (NGC/CS) A teacher of Economics at New York University between 1953-1955, he was later encouraged and promoted by novelist Ayn (*ine*) Rand to become an advisor to Richard Nixon. Having served as Chair of Economic Advisors under Gerald Ford, he took another Federal post in 1987 and held it nearly 20 years before he was succeeded by Ben Bernanke in January 2006. For ten points, name the influential former Chairman of the Federal Reserve.

Answer: Alan Greenspan

17. (TV/CS) The radius of gyration of an area can be calculated from this quantity and it can be graphically determined by using Mohr's circle. For a point mass about a known axis, it is given as $m r \text{ squared}$, while for a solid sphere it has a value of $\text{two-fifths } m a \text{ squared}$. FTP, identify this rotational property of a solid body often symbolized with a capital I.

Answer: mass moment of inertia (or angular mass)

18. (JK) During the climactic scene of this film, the Pat Benatar song "We Belong" is being played in the background while earlier in the movie one character is reading Albert Camus' *The Stranger*. Michael Clarke Duncan's character is seen switching occupations to a car wash owner after the downfall of the film's protagonist. That downfall is caused by a nasty wreck after which his partner and other half of the duo known for the tagline "Shake and Bake" steals his wife. Ultimately, that partner wins the final event of the movie, but the protagonist does manage to beat French racing sensation Jean Girard to the finish line, albeit in a foot race. For ten points, name this 2006 comedy starring Will Ferrell as the fictitious driver of the #25 Wonder Bread car, Ricky Bobby.

Answer: Talladega Nights: The Ballad of Ricky Bobby

19. (TV/CS) When the protagonist of this work gets a rotten tooth, her mother takes her to a dentist who says that he'd rather place his hand in a dog's mouth than in hers. Her bad luck continues, as she is raped by Mr. Freeman while in St. Louis and eventually gets wounded in a fight with Dolores, her father's girlfriend. The work's title comes from a line in the poem "Sympathy" by African-American poet, Paul Laurence Dunbar, and is followed by the response: "When his wing is bruised and his bosom sore." FTP, identify this autobiographical work of Maya Angelou.

Answer: I Know Why the Caged Bird Sings

20. (UNC/CS) It is believed to have originated in Persia, and moved from there to North Africa and eventually Western Europe and England. Approximately three feet tall in height, it has three varieties that are primarily distinguishable by the shape and color of its leaves, the most edible part of this plant. During the early 20th century, due to a misplaced decimal point, it was believed to have ten times the iron content than it actually has, leading to possibly its most prominent role in American culture. FTP, identify this green vegetable, pulled from shelves in September 2006 after an *E. coli* outbreak.

Answer: spinach

21. (NGC) Derived from a Dutch word meaning "free-booter," this term was later applied to such tactics as delaying motions, long meaningless speeches and intentional absences to prevent a quorum. The longest one was by Senator Strom Thurmond who spoke for more than 24 hours in opposition to a civil rights bill. For ten points, identify this procedural tactic to prevent action on a bill.

Answer: Filibuster

22. (OK/DM) The son of a professor of medieval literature, he began publishing at the age of 10, first with an article on the albino sparrow. He was particularly interested in mollusks as a boy and received his Ph.D. in natural science from the University of Neuchâtel in Switzerland. He became interested in psychoanalysis and in 1923 began teaching at the school run by Alfred Binet. Upon his return to Switzerland, he became a professor of psychology. FTP, who is this famed psychologist best remembered today for organizing four stages of cognitive development in children?

Answer: Jean Piaget

1. (TV/CS) Identify a certain chemical from clues, 30-20-10:

[30] The Mpemba effect applies to this chemical, meaning that from liquid form, it can achieve a solid state faster when initially hot rather than cold. In 1800 Sir William Nicholson became the first to separate it into its elemental components.
[20] In VSEPR [*vesper*] models, it has a non-linear, bent shape with a bond angle of 104.45 degrees, giving the molecule its dipolar nature. Its unusually high heat capacity makes it useful as a heat-transfer medium and a temperature regulator.
[10] A generally clear and odorless liquid at room temperature, it has a boiling point of 100 degrees Celsius and is often considered the universal solvent.

Answer: H₂O (also accept water)

2. (NGC/CS) Name these authors often associated with existentialism, for ten points each.

a) In addition to his major philosophical work, *Being and Nothingness*, this French existentialist who turned down the Nobel for Literature in 1964 wrote the novel *Nausea* and the play *No Exit*.

Answer: Jean Paul Sartre [*SART*]

b) This Irish playwright who won the Nobel in 1969 wrote many of his works in French, including *Endgame* and *Waiting For Godot*

Answer: Samuel Beckett

c) Though he claimed not to be part of the movement, this Algerian-born author of *The Stranger* and *The Plague* is often associated with existentialism nonetheless

Answer: Albert Camus [*cam-MOO*]

3. (TV/CS) Name the following US Presidents from their Vice Presidents, FTPE:

[10] John Garner, Henry Wallace, Harry Truman

Answer: Franklin Roosevelt [accept FDR]

[10] Spiro Agnew, Gerald Ford

Answer: Richard Nixon

[10] Thomas Marshall

Answer: (Thomas) Woodrow Wilson

4. (UNC/CS) Given the backup quarterback as of Week 1 of the 2006 season, name their respective NFL team FTPE:

Q: Matt Leinart

Answer: Arizona and/or Cardinals

Q: Joey Harrington

Answer: Miami and/or Dolphins

Q: Chris Weinke (pron. 'winky')

Answer: Carolina and/or Panthers

5. (NGC/CS) Name these Asian rivers, for ten points each.

a) The second largest in China, this 2900 mile-long river has been called China's Sorrow for its deadly flooding.

Answer: Yellow River or Huang He or Hwang Ho

b) Forming part or all of the borders between Myanmar and Laos and between Laos and Thailand, this longest river in Southeast Asia flows into the South China Sea.

Answer: Mekong River

c) Regarded by Hindus as the most sacred river, it begins in the Himalayas and flows through India and Bangladesh before emptying into the Bay of Bengal.

Answer: Ganges River

6. (TV/CS) Identify the following health maladies plaguing the African continent, FTPE:

[10] If left untreated, a parasite of genus *Trypanosoma* can pass through the blood-brain barrier and cause progressive mental deterioration in this disease commonly transmitted by the tsetse fly.

Answer: **sleeping sickness**

[10] The Marburg virus is caused by a member of the *Filviridae* family, just like this disease. Sufferers experience a hemorrhagic fever and can die within 14 days if left untreated.

Answer: **Ebola**

[10] Common to people in West Africa where malaria was common, this genetic disorder is characterized by the shape of red blood cells in affected individuals.

Answer: **sickle cell** anemia or disease

7. (Sh/SK) Identify the author from works, 30-20-10.

1. (30 points) Among his pieces are plays in verse form, including one featuring a character who had earlier appeared in another of the author's poems where he is "Among the Nightengales", as well as another featuring such characters as "Macavity", "Deuteronomy", and "Growltiger".

2. (20 points) In addition to *Sweeney Agonistes* and *Old Possum's Book of Practical Cats*, he is famous for individual poems including one divided into "The Burial of the Dead", "A Game of Chess", "Fire Sermon", "Death By Water", and "What the Thunder Said".

3. (10 points) In addition to "The Waste Land", he also wrote "The Love Song of J. Alfred Prufrock".

Answer: T(homas) S(tearns) **Eliot**

8. (AR/JV) Name these books of the New Testament from a description, 5-10-15.

(10) This book traditionally attributed to Luke the Evangelist, is the fifth of the New Testament. It discusses the works of the Holy Spirit among the believers of Jesus after his resurrection and ascension into heaven.

Answer: **Acts of the Apostles**

(10) Canonically the first of the Epistles of Paul, it suggests that all of humanity is guilty and accountable to God due to sin and describes the role of faith in salvation and is described by Martin Luther as the chief book of the New Testament.

Answer: Epistle to the **Romans**

(10) The shortest of Paul's extant letters, only 25 verses, it is apparently written in prison to the eponymous Christian on the behalf of Onesimus, the slave of the Christian, cryptic in its content it contains the line, "no longer as a slave but more than a slave, a beloved brother."

Answer: Epistle to **Philemon**

9. (NGC/CS) Identify the disorder from a description, for ten points each.

a) Sufferers from this disorder, also called manic-depression, may alternate between feelings of elation and self-importance and feelings of indifference and sadness.

Answer: **Bipolar** Disorder

b) Taking its name from the Greek words meaning "split mind," this disorder is characterized by such symptoms as paranoia, hallucinations and social withdrawal.

Answer: **Schizophrenia**

c) Characterized by recurrent thoughts and the need to perform certain behaviors again and again, this disorder is often associated with cleaning or checking rituals.

Answer: **Obsessive-Compulsive** Disorder (accept **OCD**)

10. (TV/CS) Identify the following Wonders of the Ancient World from clues, FTPE:

[10] This wonder stood for only 56 years before being toppled by an earthquake. Its remains stayed on its island for over 800 years before being sold for bronze scraps.

Answer: **Colossus of Rhodes**

[10] Sostratus of Cnidus designed this wonder, found on the island of Pharos. Its top level contained a large mirror that could be observed up to 35 miles away.

Answer: **Lighthouse of Alexandria** (prompt on Pharos of Alexandria)

[10] The Greek sculptor Phidias carved this monument whose subject held an eagle-topped scepter in its left hand and a statue of Nike in its right.

Answer: **Statue of Zeus** at Olympia

11. (AR/JV) 30-20-10 Name this thinker:

(30) After meeting Isaac Beekman, on November 10th, 1619 he had a vision about two flies on the wall which gave him the idea of a new science.

(20) That foundation became analytical geometry; however, in 1633 during the condemnation of Galileo he abandoned the publishing of his first philosophical work, *Treatise on the World*.

(10) This father of modern philosophy's works included *Meditations on First Philosophy* and *Discourse on Method*, in which he develops his famous aphorism, *cogito ergo sum*, "I think therefore I am."

Answer: Rene **Descartes**

12. (NGC/CS) Given kids who appear in a comic strip, name the strip 5-10-20-30.

a) Billy, Jeff, Dolly, P.J.

Answer: The **Family Circus**

b) Peter, Paige, Jason

Answer: **Foxtrot**

c) Jeremy and his friends Hector and Pierce

Answer: **Zits**

d) Zoe, Hammie, and Wren

Answer: **Baby Blues**

13. (AR/JV) Name these dynasties of the French Crown, FTPE.

(10) This dynasty of Frankish kings ruled parts of modern day France and Spain from the 5th-8th century. It is also the namesake of the rogue computer program from *The Matrix Reloaded*.

Answer: **Merovingian** Dynasty

(10) Following the rule of Louis V the last Carolingian, this dynasty took its name from the nickname of his son Hugh.

Answer: **Capetian** Dynasty [accept **Capet**]

(10) This royal house, which also ruled parts of Spain, reigned over France from the 16th century until the deposition of the crown in the French Revolution.

Answer: **Bourbon** Dynasty

14. (UNC/CS) FTPE, name these Lost Generation writers from works.

10: *This Side of Paradise*, *Tender is the Night*

Answer: Francis Scott Key **Fitzgerald**

10: *The Autobiography of Alice B. Toklas*, (Hint: It isn't Alice B. Toklas)

Answer: Gertrude **Stein**

10: *Winesburg, Ohio*

Answer: Sherwood **Anderson**

15. (NGC/CS) If Sean Paul ever wrote a physics bonus, it might be something like this. FTPE:

a) This is the point of temperature and pressure at which the gas, liquid and solid phases of a substance are at equilibrium.

Answer: **Triple point**

b) This is the term for the lowest temperature theoretically possible, -273.16° C, at which heat is completely absent.

Answer: **Absolute Zero**

c) This is the temperature to which air must be cooled so that water vapor in the air condenses.

Answer: **Dew point**

16. (CS) FTPE answer the following about conflicts in 19th and 20th century African history:

[10] While the 1879 war between the British and this South African tribe under Cetshwayo was brief, it included both a major disaster for the British at Isandlwana and a heroic stand at Rorke's Drift.

Answer: **Zulu** (accept **Anglo-Zulu** War)

[10] Also called the South African War, this conflict from 1899 to 1902 pitted the British against Dutch settlers.

Answer: **Boer** War

[10] Beginning in the early 1970s, Libyan forces began a series of border wars with this southern neighbor. The Libyans were largely ousted in the late 80s when Libyan tanks were outmaneuvered by Toyota pickup trucks with machine guns.

Answer: **Chad**

17. (TV/CS) Bridging the gap between realism and impressionism, Edouard Manet is remembered as one of the most prolific painters of the 19th century. FTPE, identify the following Manet works:

[10] Inspired by Titian's *Venus of Urbino*, this painting depicts a reclining nude woman.

Answer: **Olympia**

[10] Manet painted another nude woman in this work, where she is accompanied by two dressed men as they enjoy an outdoor picnic.

Answer: **Le Dejeuner Sur L'herbe** or **The Luncheon on the Grass**

[10] Manet's last major work, this painting depicts a scene of Paris nightlife. In it, a woman in black leans towards the viewer, perhaps to take their drink order.

Answer: **A Bar at the Folies-Bergere**

18. (UNC/CS) For ten points each, name the data type from the Java programming language from its description.

10: This data type stores the values of true or false.

Answer: **boolean**

10: This data type is a single 16-bit Unicode character

Answer: **char**

10: This data type has a default value of null, but you can also give it the value of "hello world."

Answer: **string**

19. (DF/SK) Set in the kingdom of Illyria, its plot revolves around a nobleman pining for a lady in mourning, the lady pining for that nobleman's manservant, and the manservant pining for the nobleman, since the manservant is really a girl in disguise. For 10 points each:

1. Name this play by Shakespeare subtitled *Or What You Will*.

Answer: **Twelfth Night**

2. Give the actual name of the "manservant" who first serves th Duke of Orsino and then marries him.

Answer: **Viola**

3. Much fun is had by the character Toby Belch with this luckless steward of the Lady Olivia, who is made to do all sorts of amusing things like wear yellow tights with crossed garters in the attempt to woo Olivia.

Answer: **Malvolio**

20. (TV/CS) Its northern highland is the Ishtar Terra. FTPE:

[10] What is this planet, whose other geographic features include the Lakshmi Planum and the Aphrodite Terra?

Answer: **Venus**

[10] Jeremiah Horrocks and William Crabtree first observed one of these rare events, which occur when Venus crosses directly between the Earth and the Sun.

Answer: **Transits** of Venus

[10] The atmosphere of Venus is primarily made up of this gas which causes an intense greenhouse effect that can result in surface temperatures of over 500 degrees C.

Answer: **carbon dioxide** or **CO2**

21. (TV/CS) Stuff about an Asian religion, FTPE:

[10] One of this religion's most important tenets is Wu Wei, or the action of non-action. It is also associated with the sexual duality of the yin-yang and predates the emergence of Confucianism in China.

Answer: **Taoism** or **Daoism**

[10] This Zhou librarian is credited as the founder of Taoism.

Answer: **Lao-Tzu** or **Laozi**

[10] Lao-Tzu was the author of this 81-chapter text and fundamental Taoist scripture.

Answer: **Tao Te Ching** or **Dao De Jing**