

ACF Nationals 1996
Questions by Cornell B

1. It's said that he died when the prioress of Kirkley allowed him to bleed to death. Another legend about him said he was defeated at the Battle of Evesham fighting alongside Simon de Montfort. He first appeared in a 1377 edition of Piers Plowman, and was also the subject of a 1510 epic poem, and was believed to be based on Robert Fitzooth, Earl of Huntingdon, outlawed for debt. FTP, what legendary character is aided by Will Stutly, Allan-a-Dale and Will Scarlett?

Answer: Robin Hood

2. Head of the Mechanical Engineering department of the Board of Economic Warfare during WWII, he outlined his philosophy of anticipatory design by noting "I just invent, then I wait until man comes around to needing what I invented." As a professor at Southern Illinois University, he established his World Game research team, which expanded his design principles. FTP, identify the developer of the Airocean World Map, the Dymaxion Car, and the geodesic dome.

Answer: Richard Buckminster Fuller

3. It was less concerned with the breaking up of monopolies that it was with preventing the accumulation of monopoly power. It exempted labor from the Sherman Act, outlawed price discrimination, interlocking directorates, and exclusive dealing and tying contracts. FTP, what was this 1914 piece of anti-trust legislation.

Answer: Clayton Anti-Trust Act

4. His habit of kissing people indiscriminately and his flirtations with the priesthood earned this composer the nickname "the philandering monk." Though he composed much religious music, including his Mass for Saint Cecilia, it was his operas which earned him his greatest fame, beginning with Sappho in 1850. FTP, name this Frenchman known for his opera Faust and his 'Funeral March for a Marionette.'

Answer: Charles Gounod

5. At his death in 1552, on the island of San-chian, he was alone except for a convert named Antony. His earlier missions, had taken him to Japan, where he had limited success, and to India, where he managed to convert many of the Paravas. FTP, identify this missionary, one of the original Jesuits, patron saint of foreign missions.

Answer: Francis Xavier

6. Adam marries Cathy, but on their wedding night, she drugs him to go with his brother Charles. Later after bearing twins she shoots Adam and leaves. Depressed, Adam is unable to even name the boys until Sam Hamilton angers him. FTP, this is the first half of the plot of what John Steinbeck work telling the story of twins Caleb and Aron, and other members of the Trask family.

Answer: East of Eden

7. It was first prepared in solid form in 1899 by James Dewar, who had only the year before produced it as a liquid. At high temperatures it dissociates into free atoms and acts as a powerful reducing agent, reacting with oxides and chlorides of metals to leave the free metal. For 10 points, what is this element, the most abundant in the universe?

Answer: hydrogen

8. He came to the US in the 1880's and worked as a streetcar conductor, dairyman, and a deep sea fisherman, experiences which helped form his work Cultural Life of Modern America. He continued his criticism of modern life in such works as Mysteries and his August trilogy. FTP, identify this Nobel Laureate Norwegian, known for his Hunger and The Growth of the Soil.

Answer: Knut Hamsun

9. In its center is the Adamawa Massif and it is shaped like an elongated triangle. It lies on the Bight of Bonny and is bordered on the south by Congo, Gabon, and Equatorial Guinea. To its east lies Chad and the Central African Republic. For 10 points, identify this African nation with its capital at Yaounde.

Answer: Cameroon

10. High above the Urubamba river, 50 miles northwest of Cuzco, you will find about five square miles of terraces and stairways surrounding a central plaza, large numbers of stone houses, most one-room, arranged around internal courts, and other examples of Inca civilization. FTP, identify this ancient city of the Incas found in 1911 by Hiram Bingham.

Answer: Machu Picchu

11. His family's original surname was Williams, but after his great-great-grandfather's uncle gained favor in the court of Henry VIII, his family changed their name. After financial losses in 1631, he sold his land in Huntingdon where he had been elected to Parliament, two years earlier. Later, he allowed Jews to return to England, and his reputation was improved through his sympathetic portrayal in Thomas Carlyle's On Heroes. FTP, identify this leader victorious against the Irish at Drogheda, and against King Charles I's men at Marston Moor.

Answer: Oliver Cromwell

12. The most common type of this device is the Mannheim, or straight line type, though other types include the circular and cylindrical type. Collectors belong to the Oughtred Society. Companies which manufactured these devices include Curta, Fowler, Otis King, Keuffel and Esser, and Accumath. On them you can find the CF and DF, or Folded scales which begin and end at pi, while the A and B scales are the squares of the C and D scales. FTP, identify this manual computing device largely replaced by the pocket calculator.

Answer: Slide Rule

13. He served as the private secretary for Justice Louis Brandeis from 1919 to 1921 and represented the US in the negotiations to found NATO. A winner of the Pulitzer Prize for History in 1970, his works include Present at the Creation and Power and Diplomacy. FTP, identify this diplomat and statesman accused by McCarthy of protecting Communists during his term as Secretary of State under Truman.

Answer: Dean Acheson

14. Her letters to her parents from Wellesley College formed the basis for her parent's comedy Take Her, She's Mine. A columnist for New York Magazine and Esquire, her articles were collected in the books Scribble, Scribble and Crazy Salad. She chronicled her marriage and divorce in the movie Heartburn, which she wrote. FTP identify this woman whose other film credits include the screenplays for Silkwood, When Harry Met Sally and Sleepless in Seattle.

Answer: Nora Ephron

15. Educated at Lieden, this Dutchman theorized that oscillations of charged particles within atoms were the source of light, and with Pieter Zeeman, received the 1902 Nobel Prize in Physics. FTP, identify this physicist whose transformations relate relativistic velocities and masses.

Answer: Hendrik Anton Lorentz

16. He may have been the personification of the Storm flood which devastated the coasts of the North Sea. He lived with his mother, called either Merewil or Grundwyrgen, in a bottomless lake, and was described as a descendant of Cain. FTP, identify this monster of Anglo-Saxon literature slain by Beowulf.

Answer: Grendel

17. The Earl Squander wants his son to marry the daughter of the alderman. In the "The Marriage Contract," we see the Earl, with his son the Viscount. By painting three, the Viscount has contracted syphilis, possibly from his mistress. By painting four the Earl is dead, and in painting five the Viscount is killed by his wife's lover. The final painting is "The Suicide of the Countess." FTP, identify this series of satirical paintings created by William Hogarth.

Answer: Marriage A La Mode

18. She is said to have borne two sons by Agamemnon, Teladamus and Pelops, who along with her and her master were murdered upon their arrival at Mycenae by Clytemnestra and Aegisthus. She was raped at the shrine of Athena by the Locrian Ajax and for this insult, Athena sank many of the returning Greek ships after the fall of Troy. FTP identify this daughter of Priam and Hecuba who suffered the misfortune of having her warnings of doom ignored by her family.

Answer: Cassandra

19. As a young boy, he nearly fell into a bear pit, saved only by his father's quick action. Later as a student in Berlin, he met Hegel and Bakunin, and developed a European outlook which influenced his work. An encounter with two peasants in 1847 led him to write Sportsman's Sketches. Some of these sketches ultimately influenced Alexander II to abolish serfdom. FTP, identify this Russian writer, known for such works as A Month in the Country, and Fathers and Sons.

Answer: Ivan Sergeyevich Turgenev

20. Trained as a steel engineer, he became a political commissar and achieved the rank of major general before being sent to the Kazakh to oversee the cultivation of the steppe. His May 1963 appointment as national party secretary was followed by Khrushchev's ousting which led to a triumvirate of power between Kosygin, Podgorny and himself. FTP identify this Soviet leader whose doctrine to prevent the decline of communism in Communist countries led to the Soviet invasion of Czechoslovakia.

Answer: Leonid Ilyich Brezhnev

21. Bowdoin College was a good place for him. He wrote the novel Fanshawe, based on his experiences there, and while there, he met Franklin Pierce, for whom he later wrote his campaign biography. In contrast, Brook Farm was not nearly as good a place, but still he managed to turn the experience into his "The Blithedale Romance." FTP, identify this author, who turned his time as a surveyor for a Boston Custom House into the preface for "The Scarlet Letter."

Answer: Nathaniel Hawthorne

22. In 1982, a study of wild guinea pigs found that 36 of 138 had been exposed to this disease. The first recorded cases were found in 1976 in the Maridi region of the Sudan. It begins with a frontal headache, fever and weakness, and lethargy. Later gastrointestinal symptoms occur, culminating in hemorrhaging and blood loss. FTP, identify this dangerous disease whose last major outbreak was in late 1995 in Gabon.

Answer: Ebola

22. One of only two African officers in his country's military when it became independent in 1962, he was promoted to Major General and commander of armed forces in 1968. After taking control in 1971, he expelled Asians, nationalized companies, and killed over 300,000 of his own people. After being overthrown in 1979 by Tanzanian forces, he fled to Saudi Arabia, and was replaced by Milton Obote. FTP, identify this one time dictator of Uganda.

Answer: Idi Amin

23. The ancient Roman forerunner of this game, Tabula, was played with all pieces travelling in the same direction. A medieval version was called Fayles [FAILS]. In the Dutch version, all pieces begin off the board. The Greek version is called Plakato, the Turkish Moultezim. FTP, identify this board game derived from the Egyptian game Senet, distinctive for its use of the Doubling Cube.

Answer: Backgammon

24. Pencil and paper is not necessary. Suppose a company spends \$3 million on capital equipment, and manufactures widgets costing \$50 in labor and materials, and sells the widgets for \$100. After 60,000 widgets are produced, the company has produced enough widgets such that there is neither a net gain or a net loss. FTP, what is the economic term for this situation?

Answer: breakeven

27. She spoke six languages at the age of eleven, and was able to defend her Philosophical Propositions. In 1748, she published her Analytical Institutions a 2000 page algebra text in her native Italian. In 1762, she was asked to referee Lagrange's paper on calculus of variations, but she had not worked with mathematics in a decade. FTP, identify this woman, best known for her connection to a curve known as "versiera" or the witch curve.

Answer: Maria Gaetana Agnesi

28. It cost \$135 Million, and was completed in seven months. Running 1523 miles from Dawson Creek to Fairbanks, it was constructed by US Army Engineers to protect against an invasion of the Northwest by Japan. FTP, identify this public works projects which today remains the only year-round overland route to the North.

Answer: Alaska Highway, or Alcan Highway

29. They were broken when James McParlan, an agent of the Pinkerton agency, was hired by Franklin Gowen, president of the Philadelphia and Reading Coal and Iron Company. McParlan infiltrated this secret society and collected evidence of this group's harassment and assaults of mineowners and their allies. FTP, what was this Pennsylvania centered labor society who took their name from an Irish anti-landlord movement?

Answer: Molly Maguires

30. Astronauts go through a rip in time. The Earth blows up, circa 3950. Cornelius and Zira come back to present day. They are hunted down, but their child escapes. Every cat and dog dies. The child later leads the revolution. Nuclear war ensues, but mankind does not deevolve. There, I've saved you the ten hours it would take you to watch, FTP, what 1970's series of movies starring Roddy McDowall and Charlton Heston, composed of the original and the "Beneath," "Return to," "Conquest of," and "Battle for" sequels.

Answer: The Planet of the Apes

31. They can be found in Siberia, Brazil and the Cairngorm Mountains of Scotland. In 1750, it was discovered that yellow ones treated with heat turn pink. Though known since antiquity, it is possible that the stone referred to in ancient times by this name may have actually been chrysolite. FTP identify this gemstone, rated as an 8 on the Mohs scale, the birthstone for November.

Answer: Topaz

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1. Answer these questions about everyone's favorite mythological engineer, Daedelaus for 10 points each.

1. Though more often associated with Crete, Daedelaus was a native of this city, which he left after killing his nephew.

Answer: Athens

2. When he reached Crete, he helped this wife of Minos to fulfill her love for a bull, allowing her to...well, how do we put this...have a cow, man.

Answer: Pasiphae

3. Who was Daedalus' nephew that he killed out jealousy, forcing him to flee Athens?

Answer: Talos

2. For the stated number of points, identify these dignitaries present at the Congress of Vienna.

1. 5 pts: Austrian Minister of State

Answer: Prince Klemens von Metternich

2. 10 pts: Emperor of Russia

Answer: Alexander I

3. 5 pts: Chief French Diplomat representing Louis XVIII.

Answer: Charles Maurice de Talleyrand-Perigord

4. 10 pts: Principal Prussian Delegate.

Answer: Prince Karl August von Hardenberg

3. Identify these volcanoes, extinct and otherwise, for the stated number of points.

1. 5: The highest peak in the Western Hemisphere is this extinct volcano in Argentina. Answer: Aconcauca

2. 10: The 1698 eruption of this Ecuadorian volcano destroyed the city of Tacunga.

Answer: Cotopaxi

3. 5: This extinct volcano in the Russian Caucasus is the highest peak in Europe.

Answer: Mount Elbrus

4. 10: This volcano is the only active volcano in Antarctica.

Answer: Mount Erebus

4. For ten points each, identify these non-dinosaur fossils.

1. Believed to be squidlike, this group of cephalopods which appeared during the Devonian period left behind tightly coiled, spiral shells.

Answer: Ammonite

2. This class of marine arthropods lived during the Paleozoic era. Their exoskeletons provide evidence of their quick development and wide range, and serve as markers for the early Paleozoic.

Answer: Trilobite

3. These large herbivorous mammals differ from elephants in that they possessed complete tuberculate teeth. Their extinction occurred approximately 8000 years ago.

Answer: Mastodon

5. Identify these WWI battles, 10 pts. each.

1. This naval battle between British ships commanded by Jellicoe, and Germans commanded by Scheer, ended in German retreat, leaving the North Sea under Allied control for the remainder of the war.

Answer: Battle of Jutland

2. Initially planned to be a naval engagement, this disastrous campaign found Turkish troops led by Mustafa Kemal continually routing a joint British, French and New Zealander force attempting to take control of Istanbul in 1915.

Answer: Gallipoli

3. In the summer of 1916, the British and French gained an insignificant 125 square miles at the cost of 600,000 dead or wounded, with Germany losing 500,000. Of this battle Siegfried Sassoon wrote, "I am staring at a sunlit picture of hell."

Answer: Somme

6. And now we present "Cheech and Chong's Literature." Identify the authors of these drug themed works, for 10 pts. each.

1. Electric Kool Aid Acid Test

Answer: Tom Wolfe

2. Junkie

Answer: William Burroughs

3. Diary of a Drug Fiend

Answer: Aliester Crowley

7. Pencil and Paper ready. Suppose you have a test tube filled which has the following cations in a water solution. Ag⁺ (Silver I) Hg²⁺ (Mercury II) Cu⁺ (Copper I), Sodium, Zinc, and Barium.

1. If we were to treat the solution with hydrochloric acid, two of the ions listed would precipitate out of the solution. For five points each, which two?

Answer: Silver and Mercury

2. Taking the remaining solution, we use the compound thioacetamide, and heat the solution, causing thioacetamide to break down into hydrogen sulfide. For five points each, which two cation would as a result precipitate out of the solution?

Answer: Copper and Zinc

3. The remaining solution is then subjected to a flame test. For a final ten points, if Barium is present, what color should the flame be?

Answer: Green

8. 30-20-10. Identify the Poet

1. Born in 1644, he took his pen name from the hut where he worked. He wrote "The Cottage of the Plantain Tree."

2. His collections of poetry include "The Records of a Travel-Worn Satchel" and "The Narrow Road to the Deep North."

3. A member of the samurai class, this poet of the Tokugawa period, developed the haiku.

Answer: Matsuo Basho

9. Identify these landmarks in adult education for ten points each.

1. A summer training program for Sunday school teachers in this Western New York community began in 1874. The program eventually evolved into a traveling lecture series and summer school program.

Answer: Chatauqua

2. This 1862 act established land grant colleges for the training of agriculture and mechanical arts.

Answer: Morrill Act

3. This Massachusetts association was established in 1826 by Josiah Holbrook, was created as part of an effort to establish a public school system.

Answer: Lyceum

10. 30-20-10. Identify the artist.

30. Twice he attempted to join the navy, failing the exam in 1848, and 1850. Between the two attempts he went on the ship Le Havre et Guadeloupe to Rio.

20. The model for his The Boy with Cherries hanged himself on a nail in his studio. Obsessed with death, he moved to Rue de Villiers.

10. At Rue de Villiers, he painted The Absinthe Drinker. Later he also painted Olympia, which was refused by the Salon show.

Answer: Edouard Manet

11. From Manet, to Mamet. Identify these plays by David Mamet. Ten points each.

1. Danny and Deborah meet, fall in and out of love and separate, while best friends Bernard and Joan affect the relationship.

Answer: Sexual Perversity In Chicago

2. Ruthless real-estate salesmen compete to sell lots in Florida development sites.

Answer: Glengarry Glen Ross

3. Three thieves plan the theft of a coin collection, but never stop arguing long enough to put a plan together.

Answer: American Buffalo

12. Identify the following associated with Joseph McCarthy's search for Communists, for ten points each.

1. McCarthy began his campaign when he showed off his "list" of 205 State Department Communists at the Ohio County Women's Republican Club in this city.

Answer: Wheeling, West Virginia

2. This Maryland Senator headed an investigative committee that pronounced McCarthy's claims ludicrous. McCarthy promptly turned on the Senator, who lost in reelection.

Answer: Millard Tydings

3. As attorney for the Army, this man managed to bring down McCarthy with the simple phrase..."At long last sir, have you no sense of shame?"

Answer: Joseph Welsh

13. Some parts of constellations are known by their own name. Given the name of part of a constellation, give the constellation each is part of. Ten Points each.

1. Jacob's Staff or the Golden Yardarm

Answer: Orion

2. Coal Sack

Answer: Crux Australis or

3. Praesepe

Answer: Cancer or the Crab

14. Identify these Hitchcock films for the stated number of points.

1. 5: Jeff, a photographer, breaks his leg, and comes to believe his neighbor, played by Raymond Burr, has killed his wife.

Answer: Rear Window

2. 10: Bruno Antony wants to make a deal with tennis player Guy Haines. I'll kill your wife, if you kill my father.

Answer: Strangers on a Train

3. 15: In this 1972 film, RAF pilot Richard Blaney is suspected of a series of killings, but it's his best friend who's strangling women with a necktie.

Answer: Frenzy

15. Identify these phases of cell division for 10 points each.

1. The phase in which nuclear membranes are broken down by proteolyte enzymes.

Answer: prophase

2. The phase in which cytokinesis occurs.

Answer: telophase

3. The phase in which the cell chromosomes begin alignment along the equator of the spindle.

Answer: metaphase

16. Given a musical composition, tell me which of Russia's Mighty Five composed them. Five points each.

1. A Prisoner in the Caucasus

Answer: Cesar Cui ✓

2. Prince Igor

Answer: Alexander Borodin ✓

3. Song of the Golden Fish

Answer: Mili Balakirev ✗

4. St. John's Night on the Bare Mountain

Answer: Modest Mussorgsky ✓

5. On the Steppes of Central Asia

Answer: Alexander Borodin ✓

6. Russian Easter Festival

Answer: Nikolai Rimsky-Korsakov ✓

17. Given a list of writers tell me the collective group to which they belonged. Ten points each.

1. Christopher Marlowe, Thomas Lodge, John Lyley.

Answer: University Wits

2. Sir John Suckling, Richard Lovelace, and Robert Herrick

Answer: Cavalier Poets or Sons of Ben

3. John Arbuthnot, Alexander Pope, Johnathon Swift

Answer: Scriblerus Club

18. If you've left your wallet in El Segundo, or anywhere else in Mexico, you might appreciate this question. Along the US-Mexican border, you will find pairs of towns often of fairly large size. Given a US city, name the Mexican border town directly across the border.

1. 5: San Diego, CA

Answer: Tijuana

2. 10: El Paso, TX

Answer: Ciudad Juarez

3. 15: Brownsville, TX

Answer: Matamoros

19. Having just completed my homework for heat transfer, I notice that I've been spending way too much time converting units to the MKS system. Now you pay the price. Given a unit of measurement in a system of measurement, give me the equivalent measure in the MKS system. For example if I said, Calorie, you'd answer Joule. 5 pts each.

1. Horsepower

Answer: Watt

2. Gauss

Answer: Tesla

3. Bar

Answer: Pascal

4. Dyne

Answer: Newton

5. Parsec

Answer: Meter

6. Grain

Answer: Kilogram

20. Answer these questions about the 1876 Presidential election.

1. For 5 points each, name the 4 states whose disputed electoral votes gave Hayes the victory.

Answer: Florida, Louisiana, South Carolina, Oregon

2. The Electoral Count Act of 1887 was passed to prevent future disputes involving a state sending two sets of electoral votes to Congress. Under this Act, who decides which set of votes is official?

Answer: The state's Governor

21. 30-20-10. Name the year.

1. William James publishes Principles of Psychology. Yosemite and Sequoia National Parks are established.

2. After a dispute over Russo-German policy, Wilhelm II dismisses Bismarck. The McKinley Tariff is passed.

3. The Sherman Anti-Trust Act is passed.

Answer: 1890