

1995 ACF Nationals Questions by the University of Illinois

1. While an embryologist at Columbia University he was skeptical about the truth of Mendelian genetics. He began to experiment and soon became convinced that chromosomes were the locations of Mendel's heritable factors and in 1910 he discovered sex linkage and now the unit of genetic map distance is named for him. For 10 points, name this scientist whose laboratory became known as the "fly room" because the creature he chose to study was *Drosophila melanogaster*, the common fruit fly.

Answer: Thomas Hunt Morgan

2. He originally was a mounted scout, a job which soon proved useless in the trench warfare of WWI. He was then made a supply officer, but grew restless in this position, and wrote his commanding officer, "I have not come to war to collect cheese and eggs, but for another reason". Apparently this other reason was to shoot down planes, since soon after his transfer to the air force he began downing enemy planes at a rate of one a week, and by the end of his career he had recorded more kills than any other pilot in WWI. For 10 points, name this famous German pilot.

Answer: Manfred von Richtofen or the Red Baron

3. The title character of this play is a treacherous scoundrel, however, he has managed to convince the family that he lives with that he is a pious saint. The father of the family is particularly gullible, he refuses to believe any ill of his guest even after catching him trying to seduce his wife. In fact, he proceeds to throw his own son out of the house after the young man accuses their boarder of being a lecherous hypocrite. Eventually the title character's perfidy is unmasked, but not before he manages to do a lot of mischief. For 10 points, name this play by Moliere.

Answer: Tartuffe

4. The collective name for these works literally means "to sit close to" and according to the traditionally accepted number, there are 108. Some of the individual texts are the *Isa*, *Kena*, *Chandogya*, and *Mundaka*. Thought to have been compiled around 600 B.C., they were intended to be a philosophical commentary on the original four Vedas. For 10 points, name these Hindu scriptures whose underlying concern is the nature of the Brahman, or universal soul.

Answer: Upanishads or Upanisads

5. Gustav, in conjunction with James Franck, studied the impact of electrons on atoms, a demonstration of the quantum theory for which they were awarded the 1925 Nobel Prize in physics. Heinrich clarified and expanded the electromagnetic theory of light proposed by Maxwell in 1884. For 10 points, what is the common surname of these German physicists, one of whom lent his name to the SI unit of frequency.

Answer: Hertz

6. He has spent most of his career working with the poor and those who lived in the inner city of Nashville, TN. As chief of obstetrics and gynecology at Meharry Medical College he started the "I Have A Future" program which encouraged teenagers to practice abstinence. For 10 points, name this man designated "a point of light" in 1987 by George Bush but who is currently in the news as Bill Clinton's controversial nominee for Surgeon General.

Answer: Dr. Henry Foster

7. In 1938, he was engaged by the Carnegie Corporation to study the status of blacks in the US, and the book that resulted from his investigations, An American Dilemma: The Negro Problem and American Democracy, was a widely influential analysis of the conflict between American ideals and practice. For 10 points, name this Swedish economist who won the Nehru award in 1982 and who shared the 1974 Nobel Prize in Economics with Friedrich von Hayek.

Answer: Gunnar Myrdal

8. After landing in the Hebrides with the seven men of Moidart, he managed to rally many of the highland clans to his banner, and won his first major engagement at the battle of Preston Pans. He then proceeded to march on London, but was convinced by his officers to draw back and await reinforcements. However, the help never arrived, and he was routed by an English army under the command of the Duke of Cumberland at the battle of Culloden Moor. FTP, name this grandson of James II, known as The Young Pretender.

Answer: Prince Charles Edward Stuart or Bonnie Prince Charlie

9. They can be formed by the catalytic addition of oxygen to aldehydes, by combining carbon monoxide with an alcohol, or by exposing a Grignard reagent to a carbon dioxide and acid-water solution. For 10 points, identify this class of organic compounds, the simplest of which is formic acid?

Answer: carboxylic acid (prompt for more info on "organic acid")

10. After training at the Imperial Ballet Academy and studying composition at St Petersburg, he produced a series of early works for the 1922 series, Evenings of Young Ballet, which were criticized as too avant-garde. After touring in Europe with his own troupe and that of Diaghilev, he was invited to America by Lincoln Kirsten where he founded the American Ballet Company. For 10 points, identify this choreographer of the neoclassical style whose dance works include Don Quixote, Serenade, and Jewels.

Answer: George Balanchine

11. His experiences as a correspondent during the Mexican War provided the material for his first book, Insurgent Mexico. His covering of World War I allowed him to become friends with the Bolshevik party which resulted in him helping to found the Communist Labor Party in America, and later to move to Russia and work for their Bureau of Propaganda. For 10 points, name this author who was buried in the Kremlin and wrote Ten Days That Shook the World.

Answer: John Reed

12. In 1364 and 1370, he won control of Transoxania and in the latter year declared the restoration of the empire of Genghis Khan, whom he falsely claimed as his ancestor. He quickly swept through and conquered Persia, parts of India and Syria, and defeated the Turks at the battle of Angora. For 10 points, identify this leader who died in 1405 while leading an expedition against China and was buried in Samarkand, his capital.

Answer: Tamerlane or Tamburlaine

13. When Napoleon received a copy of this scientist's major work he observed, "You have written this huge book on the system of the world without once mentioning the author of the universe." The Frenchman responded, "Sire, I have no need for that hypothesis." For ten points name this scientist who wrote Celestial Mechanics and produced the first modern theory about the formation of the solar system and the cause of tides.

Answer: Marquis de Laplace

14. "I'm warning you. I'm going to get angry. D'you see? You're not wanted. Understand? We are going to have fun on this island. Understand? Were going to have fun on this island! So dont try it on, my poor misguided boy, or else." The preceding quote is spoken by the title entity of this work, which attempts to trace the defects of society back to the defects of human nature. FTP, name this novel by William Golding.

Answer: The Lord of the Flies

15. In high school he took the last name of a Czech poet, and used it for the rest of his life. He began writing poetry at an early age, and won first prize in a literary contest at the age of 17. His first major publication, Twenty Love Poems and a Song of Despair, displays the intense sense of anguish that pervades much of his writing. Other major works include Memorial de Isla Negra and Canto General. For 10 points, name this Chilean Poet, who in 1971 won the Nobel Prize in Literature.

Answer: Pablo Neruda

16. Once while walking along the sea Odin saw nine beautiful giantesses, and became so enchanted with them that he wedded them all. Eventually the nine of them simultaneously gave birth to a boy who very quickly reached maturity and went to join his father in Asgard. He arrived just after the Gods had finished building the Rainbow bridge, and they were so impressed with his abilities that they appointed him its guardian. For 10 points, name this Norse God.

Answer: Heimdall

17. Born in 1377, he was trained as a goldsmith, but this man turned to sculpture and architecture. His later works include the Medici Church of San Lorenzo and the foundling hospital called the Ospedale degli Innocenti. A pioneer of perspective, his first architectural work came in 1428 when he received the commission to execute the dome of the Cathedral of Florence. For 10 points, identify this Florentine architect.

Answer: Filippo Brunelleschi

18. Produced by Darryl F. Zanuck, it failed to produce Oscars for art direction, editing, Milton Krasner, Alfred Newman, Anne Baxter, Celeste Holm and Bette Davis. It did however take home Best Supporting Actor for George Sanders, Best Director for Joseph Mankiewicz, and Best Picture. For 10 points, identify this film that managed to stay ahead of Forrest Gump by one Oscar nomination, still holding the all-time nomination record at fourteen.

Answer: All About Eve

19. It runs about 150 miles long and is about 30 miles wide. Linked to the Pacific Ocean by waterways to the southwest and northwest, it forms part of the Inside Passage between Washington and Alaska. For 10 points, identify this strait that separates part of Vancouver Island from the mainland.

Answer: Strait of Georgia or Georgian Strait

20. It resulted from a major show of force by the US navy and was signed in a fishing village that is now part of the industrial port of Yokohama. Under it, Shimoda and Hakodate, were opened to trade with the US, ending Japan's hermetic existence. For 10 points, identify this treaty negotiated by Matthew Perry.

Answer: Treaty of Kanagawa

21. He believed that God, the universe, and all nature are one, and that everything in the universe is part of God. He believed that man has no free will, which was a sentiment he expressed in the 1677 publication of Ethics. For 10 points, name this rationalist and most eminent exponent of pantheism who wrote A Treatise on Religious and Political Philosophy.

Answer: Baruch Spinoza

22. Unlike most European cities, this city escaped Nazi destruction because it choose to use nearby Wawel(Vah-vel) Castle as its headquarters. This city is also home to the 600 year old Jagiellenion University, the alma mater of Copernicus. For 10 points, name this city, seat of Karol Wojtylas(Voy-tee-las) former diocese.

Answer: Krakow

23. He served as a bosun's mate under Stephen Decatur and even saved Decatur's life by deflecting a saber blade during a particularly heated battle against the Barbary Pirates. His name lived on as the name of the first US warship sank in WWII, as well as the name of US guided missile frigate number 57 now in the Atlantic Fleet. For 10 points, name this man also named in a Kenny Rodgers song.

Answer: Reuben James

24. Although some would argue that this is a language, this program developed by Stephen Wolfram at the University of Illinois provides powerful solution abilities to the average student, including Bode plots and Nyquist diagrams. For 10 points, can you name this program, taking its name from one of Newton's works?

Answer: Mathematica

25. When construction on it is completed, it will surpass the Keck telescope in Hawaii for size. Named after a former Lt. Governor and a benefactor of science programs at Penn State this telescope will have a diameter of 402 inches and will be located in the Davis Mountains. For 10 points, name this telescope under construction in Texas.

Answer: Hobby-Eberly Telescope

26. Former US Court of Appeals Chief Justice William Bauer and Cook County Board President Dick Phelan were among his prosecutors, and his defense team included Matthew Kennelly, Ann Tighe, and James Montgomery. The trial was presided over by Supreme Court Justice Anthony Kennedy. Defense witnesses testified that he was suffering from episodic decontrol syndrome and Wertheims catathymic crisis, which caused him to believe imaginary ghosts were ordering him to kill people. The jury was unable to reach a verdict, with ten members finding him criminally responsible for his actions, with two members dissenting. For 10 points, name this melancholy Dane, whose mock trial was the showpiece of the 1994 Chicago Humanities Festival.

Answer: Hamlet

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1. 10 points each, 30 total: Identify the American work, given its author and subtitle.

1. The Inland Sea by James Fenimore Cooper.

Answer: The Pathfinder

2. A Winter Idyll by John Greenleaf Whittier.

Answer: Snowbound

3. The Illuminating Diary of a Professional Lady by Anita Loos.

Answer: Gentlemen Prefer Blondes

2. Identify the religious figure from his works 30-20-10

1. On Christian Liberty and Table Talk

2. Address to the Christian Nobility of the German Nation

3. the hymn, A Mighty Fortress is Our God

Answer: Martin Luther

3. Time for a which one of these is not like the others Shakespeare bonus! Ill give you four characters, and you tell me which one doesnt belong. 5 pts each, 30 total

1. Frederick, Oliver, Rosalind and Claudio.

Answer: Claudio

2. Edmund, Cordelia, Benedict and Regan.

Answer: Benedict

3. Ferdinand, Polonius, Gertrude and Osrice.

Answer: Ferdinand

4. Bassanio, Sebastian, Antonio and Portia.

Answer: Sebastian

5. Mrs. Ford, Slender, Bardolph and Proteus.

Answer: Proteus

6. Leontes, Perdita, Hermione and Tybalt.

Answer: Tybalt

4. 30/20/10: Identify the historical person.

1. The son of Hystaspes, his title was The Great King, King of Kings, King of Countries, containing all kinds of men, King in this great earth far and wide?

2. After succeeding Cambyses to the throne, he conquered western India and made it the satrapy of Hindush and began construction of the royal palace at Persepolis?

3. His attempts at extending the Persian empire in the east were stopped when his army was defeated by the Greeks at Marathon.

Answer: Darius I or Darius the Great

5. Identify the following French "L" mathematicians who did the following for 10 points each.

1. was famous for his work in analytical mechanics, including the three body problem?

Answer: Lagrange

2. is famous for the equation " $\Delta^2 + \Delta^2 + \Delta^2 = 0$ "?

Answer: Laplace

3. is famous for his method of variation of parameters, for times when the method of undetermined coefficients is ineffective?

Answer: Lagrange

6. Given the painting name the artist, five points each.

1. The Stonebreakers

Answer: Gustave Courbet

2. Venus of Urbino

Answer: Titian

3. The Boy with a Squirrel

Answer: John Copley

4. The Menaced Assassin

Answer: Rene Magritte

5. Black Iris

Answer: Georgia O'Keeffe

6. The Stoning of St. Stephen

Answer: Rembrandt

7. Identify the composers of the following operas for five points each.

1. Tannhauser

Answer: Richard Wagner

2. Benvenuto Cellini

Answer: Hector Berlioz

3. Oedipus Rex

Answer: Igor Stravinsky

4. Iphigenia in Aulis

Answer: Christopher von Gluck

5. The Bohemian Girl

Answer: Michael William Balfe

6. Les Danaides

Answer: Antonio Salieri

8. Name the American 30-20-10

30: After the passage of the Kansas-Nebraska Act of 1854 he said, "I could travel from Boston to Chicago by the light of my effigies."

20: In 1858 he traveled from Freeport to Galena to Quincy and 4 other Illinois cities.

10: This little giant is now remembered for his 1858 US Senate loss to the 16th president of the US.

Answer: Stephen A. Douglas

9. For the stated number of points, answer these questions about the 30 years war.

1. 5 pts: The war started when two Catholic officials were thrown from a castle window in Prague. What was this event called?

Answer: The Defenestration of Prague

2. 10 pts: Name the King of Bohemia, and later Holy Roman emperor, whose anti-protestant measures led up to the defenestration of Prague.

Answer: Ferdinand of Styria or Ferdinand II

3. 10 pts: Name the 1620 battle in which Ferdinand wiped out the Protestant army.

Answer: White Mountain

4. 5 pts: Name the King of Sweden who also joined the fray on the Protestant side.

Answer: Gustavus Adolphus

10. For ten points each give the following latin legal term when given a definition.

1. the policy of following the principles established in previous judicial decisions.

Answer: stare decisis

2. A final judgement by a court, not subject to litigation again by the same parties

Answer: res judicata

3. A defense of not being of sound mind.

Answer: non compos mentis

11. Answer the following questions about whales, for 10 points apiece.

1. Although whales are the world's largest mammals, they feast on disproportionately small prey. What is the name of the small crustaceans which grow to no more than three inches in length, and of which there are 500 to 750 million tons in the oceans, which is the principal food for blue, fin, sei, and minke whales?

Answer: krill

2. They consist of three species in two genera--the pygmy and dwarf species constituting the Kogia genus as opposed to the Physeter genus. What is this largest of the toothed whales, which is fairly evolutionarily distinct from other toothed whales?

Answer: sperm whale

3. A toothed white whale, its scientific name is Monodon monoceros. What is this denizen of Arctic waters which features a long spiral tusk which grows up to 10 feet in length and oddly protrudes from the beast's left upper lip and at an awkward angle to the left and pointing downward?

Answer: narwhal

12. I'll give you a line from a poem, and you identify the poet for ten points, five if you need the name of the poem.

1. 10 pts: Oh many a peer of England brews/Livelier liquor than the Muse,/ And malt does more than Milton can/ To justify Gods ways to man.

5 pts: Terence, This is Stupid Stuff.

Answer: A.E. Housman

2. 10 pts: And he was always quietly arrayed,/and he was always human when he talked;/But still he fluttered pulses when he said,/Good morning, and he glittered when he walked.

5 pts: Richard Cory.

Answer: Edwin Arlington Robinson

3. 10 pts: I saw their starved lips in the gloam/With horrid warning gaped wide,/And I awoke and found me here/On the cold hills side./

5 pts: La Belle Dame Sans Merci.

Answer: John Keats

13. Its time for Biblical mothers-in-law! Ill name a woman, and you tell me her mother-in-law for ten points each.

1. Rebekah
2. Zipporah
3. Asenath-Paneah

Answer: Sarah

Answer: Jochebed

Answer: Rachel

14. Answer the following questions about the beginning of the universe for 10 points each.

1. The current accepted model for the start of the universe, it says that an unimaginably dense state exploded and that we are still expanding today.

Answer: Big Bang

2. Named after a letter of the Greek alphabet, this point is the amount of matter that would balance the universe between external expansion and the big crunch.

Answer: Omega point

3. Taken from the word Aristotle used to describe the basic substance of the universe, this is the name given to the primeval blob of dense matter from which the universe exploded.

Answer: Ylem

15. I'll give 6 events in the history of Western Europe, for 5 pts each place them in chronological order from first to last. The Edict of Nantes, The Defeat of the Spanish Armada, Edward VI becomes King of England, The Battle of Flodden Field, Martin Luther posts his ninety five thesis, and The St. Bartholemews Day Massacre.

Answer: 1. The Battle of Flodden Field (1513) 2. Martin Luther posts the 95 thesis (1517) 3.

Edward VI becomes King of England (1547) 4. St. Bartholemews Day Massacre (1572) 5. Defeat of the Spanish Armada (1588) 6. The Edict of Nantes (1598)

16. For 5 points apiece, identify the capital of each of the following dependencies.

1. New Caledonia
2. Turks and Caicos
3. French Guiana
4. The Azores
5. Montserrat
6. Sardinia

Answer: Noumea

Answer: Cockburn Town

Answer: Cayenne

Answer: Ponta Delgada

Answer: Plymouth

Answer: Cagliari

17. Pencil and paper ready. A 5 kilogram mass, suspended from a 500 centimeter long string is being spun in a perfect circle with a linear velocity of 10 meters per second. For 10 points each:

1. What is the radial component of the object's acceleration vector in meters per second squared

Answer: 20 meters per second squared

2. What is the tension in the string holding the mass in its circular motion in Newtons?

Answer: 100 Newtons

3. What name is given to force the string is applying to the rotating body?

Answer: centripetal force

18. I'll give you a book, you name the author. 5 pts each, 30 total.

1. Nightmare Abbey

Answer: Thomas Love Peacock

2. The Assistant

Answer: Bernard Malamud

3. Parades End

Answer: Ford Madox Ford

4. Light in August

Answer: William Faulkner

5. Fanny Hill

Answer: John Cleland

6. The Real Life of Sebastian Knight

Answer: Vladimir Nabokov

19. 30/20/10: Identify the American.

1. Theodore Roosevelt gave him a post as consul in Guayaquil, Ecuador, as a reward for his efforts at reform, but he unfortunately died of yellow fever a few months after his arrival.

2. He studied drawing with Theodore Kauffman, a historical painter, and covered Garibaldi's campaigns in Italy as well as the American Civil War for Harpers Weekly.

3. He is perhaps best known for his caricatures of corrupt politicians, especially the infamous Boss Tweed.

Answer: Thomas Nast

20. Occasionally many characters in mythology have the same name. I'll describe three characters from Greek mythology and you tell me their shared name, 30/20/10.

1. The mother of Iris and the Harpies.
2. One of the Pleiades, by Zeus she was the mother of Dardanus, one of the founders of the House of Troy.
3. The daughter of Agamemnon and Clytemnestra, she urges Orestes to avenge their fathers death.

Answer: Electra

21. 30-20-10 Name the economist.

30 pt. Born in Wisconsin this critic of capitalism studied at Carleton, Yale, and Johns Hopkins.

20 pt. He wrote The Theory of Business Enterprise and The Instinct of Workmanship

10 pt. He is best known for the work The Theory of the Leisure Class.

Answer: Thorstein Veblen

22. Identify the following works on a 10/5 basis. The ten point clue will give the books original or working title and the 5 point clue the author.

10: First Impressions

5: Jane Austen

Answer: Pride and Prejudice

10: Work in Progress (pub. 1939)

5: James Joyce

Answer: Finnegans Wake

10: Four and a Half Years of Struggle Against Lies, Stupidity, and Cowardice

5: Adolf Hitler

Answer: Mein Kampf

23. 30/20/10: Identify the scientist.

1. In 1803 there were several reports of rocks falling from space in France. This man studied these reports and his announcement that rocks really did fall from the sky was the first time the idea of meteors was accepted by the scientific community?

2. One of his laws states that an optically active substance rotates plane-polarized light through an angle inversely proportional to its wavelength?

3. With Felix Savart he formulated the law that gives the intensity of the magnetic field due to a wire carrying a constant electric current?

Answer: Jean Baptiste Biot

24. Given the title of a 1993 best seller, name its author for 5 points apiece.

1. Vanished

Answer: Danielle Steele

2. Lasher

Answer: Anne Rice

3. Pleading Guilty

Answer: Scott Turow

4. Like Water for Chocolate

Answer: Laura Esquivel

5. The Golden Mean

Answer: Nick Bantock

6. A Dangerous Fortune

Answer: Ken Follett

25. A famous Nobel Laureate one day mentioned to one of his students that by mixing hydrogen, ammonia, methane and several other compounds and applying electric sparks to the mixture, they could approximate the conditions on Earth before life began. For fifteen points each, name the professor who won the Nobel Prize and his graduate student, who found that they had produced several amino acids when they were finished with the experiment.

Answer: Professor Harold Urey and Stanley Miller