

**ACF Nationals 1996**  
**Questions by ACFNTC #4B**

1. With libretto by Felice Romani, this two act opera premiered at La Scala on December 26, 1831. Opening night was described by the composer as a "solemn fiasco", but by the third performance, its success was total. The title role, written for the soprano Giuditta Pasta, sings such immortal arias as "Dormono entrambi" and "Casta diva". A staple of Maria Callas' repertoire, it tells of a woman rejected by Pollione, the Roman Proconsul in Gaul who seduced her, in favor of her assistant Adalgisa. FTP identify this Vincenzo Bellini work about the life and death of a Druid high priestess.

Answer: Norma

2. It is said that when an illiterate Athenian who failed to recognize him once asked him to write his own name on a ballot demanding his ostracism from the state, he did so without revealing his identity. One of the ten commanders at the Battle of Marathon, his opposition to Themistocles' naval policy led to his exile. Returning from banishment, he served under Themistocles at Salamis and was the Athenian general with Pausanias of Sparta at the 479 BC Battle of Plataea. FTP identify this soldier and statesman called "The Just" who maneuvered Athens to prominence in the Delian League.

Answer: Aristides

3. Ultimately buried at Pere-Lachaise, he once fled a convent by concealing himself within the coffin of a dead nun. A manufacturer of glass beads, he evaded a jail sentence by jumping overboard off the prison ship Orion. His most treasured possessions were a pair of silver candlesticks that he first stole and then received as a gift from the Bishop of Digne. He extricated Fauchelevent from beneath a cart, adopted the prostitute Fantine's daughter Cosette, and rescued Marius Pontmercy by carrying him through the sewers of Paris. FTP identify this man pursued by the inexorable Javert, the protagonist of Victor Hugo's Les Misérables.

Answer: Jean Valjean

4. An "esoteric order" devoted to him figures prominently in some of the short stories of H.P. Lovecraft. His consort was Shalash, and he was especially popular at Mari in the late 17th century BC. Associated with good weather and fertility, his cult passed from Mesopotamia to the Canaanites. FTP identify this deity known in the Bible as the chief god of the Philistines.

Answer: Dagon or Dagan

5. In the treatment of the scattering of particles by thermal waves in matter, the selection rules which arise are observed to bear a formal resemblance to the laws of energy and momentum conservation in particle collisions. The notion of a wave-particle duality in such scattering experiments is particularly convenient in the thermal conductivity theory and helium superfluidity models. FTP what name is given to a quantum of sound waves, a formalism useful in statistical mechanics.

Answer: phonon

6. The document that resolved this crisis was repudiated by the United States government even before it was signed. Commander Lloyd M. Bucher and 82 of his crew were held prisoner for 11 months for espionage and were only released after a formal apology for the alleged spying. The incident began on 23 January 1968 when an intelligence-gathering ship was seized in international waters in the Sea of Japan. FTP identify this vessel captured by North Korea that lends its name to the affair.

Answer: U.S.S. Pueblo

7. He is the supposed author of a late 14th century manuscript from the Cotton collection that contains four alliterative poems, though it is not clear whether the same man wrote all of them. His poems "Purity" and "Patience" are didactic works drawing heavily on Biblical themes. The work which lends its title to the poet's moniker is an allegorical tale capped with a description of New Jerusalem. His final poem's characters include Lord Bercilak and Morgan Le Fay. FTP to whom is attributed the authorship of "Sir Gawain and the Green Knight"?

Answer: The Pearl Poet

8. In order to eliminate its massive national debt, the British government transferred 31 million pounds sterling of debt to a corporation on the basis of which the company raised huge sums through inflated stock. When the stock crashed and ruined thousands of investors, Walpole shielded ministers from attack, limited the political damage, and restored public credit. FTP name this 1720 financial crisis.

Answer: The South Sea Bubble

9. The name of this city translates to "the merchant's harbor." Its university was founded in 1479 by Christian I, and landmarks include Christiansborg Palace and Rosenborg Palace. Situated at the southern end of Oresund on Sjaelland and Amegar islands and the eastern shore of Zealand, it was besieged by Lord Nelson in 1801. FTP name this city located some twenty-five miles south of Hamlet's castle at Helsingør.

Answer: Copenhagen, Denmark

10. Educated in Montana, California, and Denmark, he was a professor of chemistry at Columbia and Chicago. He was a director of war research and assisted J. Robert Oppenheimer on the Manhattan Project. Awarded the Davy Medal of the Royal Society in 1940, he investigated the entropy of gases and the absorption spectra of isotopes. This chemist whose students include Stanley Miller, isolated both deuterium and heavy water. FTP identify the winner of the 1934 Nobel Prize in Chemistry.

Answer: Harold Clayton Urey

11. Vsevolod Pudovkin, in his book Film Technique, contended that it was the "foundation of film art," and in a 1950 essay, he sought to define it in the context of dialectical thinking. Alexander Dovzhenko said its main function was to present the story in an unconventional manner, and to enhance the emotional and psychological qualities of the characters. Sergei Eisenstein argued that it was the best way for the film-maker to awaken the class-consciousness of the audience. For 10 pts., what is this film editing technique so intellectualized about by Soviet film-makers, which describes the arrangement of shots or scenes to make a narrative point?

Answer: Montage

12. It includes digressions into the life of Yorick, a humorous parson who claims to be a descendant of Shakespeare's jester. Though incapacitated by a wound in the thigh, the title character's uncle Toby indulges in trying to reconstruct all the campaigns of Marlborough in miniature on a small bowling green. Influenced by Locke's theories, the work is sprinkled with typographical eccentricities, one sentence chapters, unfinished sentences, and blank pages. FTP identify this work in which the ostensible protagonist doesn't appear for hundreds of pages by Laurence Sterne.

Answer: The Life and Opinions of Tristram Shandy, Gentleman

13. The An Lu-Shan Rebellion marked the beginning of its decline and fall. It was established by Li Yuan with its capital at Changan. Among its rulers was Wu Zetian, the only female Emperor of China. Featuring the golden age of Chinese poetry, writers included Wang Wei, Tu Fu, Li Ho, and Li Po. FTP identify this dynasty that succeeded the Sui and was followed by the Sung that ruled China from 618-906.

Answer: Tang Dynasty

14. Beginning at the end of telophase, it compartmentalizes the two nuclei resulting from mitosis into separate daughter cells. In animal cells, it occurs with the formation of a constriction in the middle of the parent cell until two daughter cells are produced. In plants, it occurs through the assembly of a new cell membrane and cell wall. FTP identify this process that refers to the division and segregation of cytoplasmic material.

Answer: cytokinesis

15. Based on legends collected by O-bah-bahm-wawa-ge-zhe-go-qua (The Woman of the Sound Which the Stars Make Rushing Through the Sea) and compiled by her husband Henry Rowe Schoolcraft, it was first published in November 1855. Also drawing upon the Kalevala, it too is written in trochaic meter. The title character is reared by his grandmother Nokomis, daughter of the Moon, and avenges his mother Wenonah against the West Wind, his father. FTP identify this American epic in which some of the action takes place "by the shores of Gitche Gumee, by the shining Big-Sea-Water" that was written by Henry Wadsworth Longfellow.

Answer: The Song of Hiawatha

16. Recent years have seen a renewed interest in this philosopher's moral theory, especially among certain feminist ethicists who are attracted to his idea that ethics is mainly about sentiments and interpersonal relations rather than about abstract rules and reasons. He has never been too popular among Christians, however, partly for his scathing attack on what he called "the monkish virtues" in his book Enquiry Concerning the Principles of Morals. For ten points, name this British Empiricist, most famous for his Treatise of Human Nature.

Answer: David Hume

17. Born in Russia, he was raised in Chicago and attended the Naval Academy and Columbia University. A critic of the educational system, he wrote Education and Freedom and American Education: A National Failure. A naval combat maneuver, the <blank> Pirouette, is named in his honor. During World War II, he headed the electrical department of the navy's Bureau of Ships. Convinced of the utility of nuclear power, he was in charge of the naval reactor branch of the Atomic Energy Commission. FTP name the admiral who directed the planning and development of the submarine Nautilus.

Answer: Hyman George Rickover

18. The effect was discovered in 1846 and is sometimes called magnetic rotation. In general, when a beam of linearly polarized light passes through matter in the direction of the lines of force of a magnetic field, the plane of polarization rotates proportional to the product of the path length through the magnetized substance and the intensity of the applied field. FTP identify this optical phenomenon named for the man who also discovered the law of electromagnetic induction.

Answer: Faraday Effect

19. He married Thomas Mann's eldest daughter Erika in order to grant her British citizenship. Interestingly, he would emigrate to the US by 1939, where he wrote the works for which he is now famous, including The Double Man, Nones, and About the House. For 10 points, name this author, winner of the 1947 Pulitzer for The Age of Anxiety, and co-author of On the Frontier and The Ascent of F6 with Christopher Isherwood.

Answer: W. H. Auden

20. In response to the 1527 sack of Florence, he wrote the poem "A Prayer for Aid." While a young apprentice he got into a fight with a fellow apprentice named Torrigiano, who broke his nose. He painted himself as a flayed human skin being held by St. Bartholomew in his The Last Judgment. Among his other works are The Madonna of the Steps and Battle of Centaurs. For 10 pts., name this towering figure of the Renaissance who also executed the tomb of Pope Julius II.

Answer: Michelangelo Buonarati

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1. It is time now to see whether you have learned from old Al Whited. Can you tell me of the Kalevala?

1. For 10 pts. identify any one of the three sons of Kaleva.

Answer: Wainomoinen, Ilmarinen, Lemminkainen

2. FTP identify the man who first compiled the Kalevala from the popular songs and oral traditions of Finland.

Answer: Elias Lonnrot

3. Finally, FTP identify the magic mill that grinds out meal, salt, and gold made by Ilmarinen that was stolen to Pohjola, a dismally cold land to the north.

Answer: sampo

2. O ye people of the buzzers, it is time now to see what you know of Euler's gamma function.

1. FTP what is the value obtained when the gamma function is evaluated at 6.

Answer: 720 or 6 factorial (the gamma function is the generalized factorial function)  $\times 420 \rightarrow$

2. FTP suppose we evaluate the gamma function at one-half. What result do we obtain?

Answer: square root of pi ✓

3. If you answered the last question correctly, you would know that gamma of one-half is the square root of pi. FTP now evaluate gamma of three-halves.

Answer: square root of pi over two ( $\gamma(x+1) = x \gamma(x)$ )  $\times$

3. Tell me of the sorrows of these literary lovers who met their ends in pain and desperation.

1. FFP she is the daughter of Brabantio thought to have had illicit relations with Cassio.

Answer: Desdemona ✓

2. FTP she is forced by Alec to have sexual relations with him. When she confesses her past to her husband Angel Clare years later, he deserts her. They are reunited shortly after she kills Alec.

Answer: Tess of the D'Urbervilles ✓

3. F15P she inspires in her lover a desire that ruins him. Though she is rarely faithful, he steals, lies, borrows money, is imprisoned, exiles himself, and gravely wounds the governor of Louisiana in a duel in order to be with her. She dies in the desert in his arms. She was the subject of opera by Massenet and Puccini.

Answer: Manon Lescaut

4. Identify the following figures from ancient Greece for the stated number of points.

1. 10 pt: In the war against the Megarians, about 570-565 BC, he acquired military distinction and in 560 he seized the Acropolis.

Answer: Pisistratus  $\times$

2. 5 pt: After his election as archon in 594 he instituted many reforms, including his establishment of the Council of 400.

Answer: Solon ✓

3. 10 pt: This semimythical Spartan lawgiver, said to have lived in the 7th century BC, is believed to have established a new social order and introduced a constitution that transformed Sparta into a military state.

Answer: Lycurgus ✓

4. 5 pt: He came to power around 508 B.C. in Athens. He instituted a number of important democratic reforms, including establishing ten tribes as governmental units.

Answer: Cleisthenes

5. Name for me these vocal compositions penned by Wolfgang Amadeus Mozart.

1. FFP in this first collaboration with Lorenzo da Ponte we see Count Almaviva's efforts to seduce Susanna.

Answer: Le nozze di Figaro or The Marriage of Figaro

2. FTP this 1791 singspiel was commissioned by Emanuel Schikaneder. Of it Wagner remarked, "before it German opera hardly existed: this was its moment of creation."

Answer: Die Zauberflöte or The Magic Flute

3. F15P this mass was written for the annual service to commemorate a miraculous image of the Virgin Mary in the Church of Maria-Plain near Salzburg. It acquired its nickname after its performance at the ascension ceremony of Leopold II as King of Bohemia in September 1891.

Answer: Kronungsmesse or Coronation Mass

6. O ye people of the buzzer races, sing to me the praises of Dante Alighieri by answering these queries on La Divina Commedia.

1. In the third bolgia of the eighth circle of Inferno, Dante condemns Popes Nicholas III and Clement V, in addition to, FTP, which other pope whose brief captivity led the papacy to take up residence in Avignon.

Answer: Boniface VIII or Benedetto Caetani ✓

2. FTP what collective name does Dante give to the sixth through ninth circles of Inferno.

Answer: City of Dis ✓

3. Besides Virgil and Beatrice, two others accompany Dante in his wanderings through Purgatorio. One was a Latin poet of the Thebais and the other symbolizes the perfect active life. Name either FTP.

Answer: Publius Papinius Statius or Matilda

7. O ye who hit the buzzer bold and true, can thee tell me now of special relativity?

1. For 15 pts: the four-vector formalism introduced by this man guaranteed relativistic invariance as a direct consequence of the mathematics used. His four-vector also allowed Einstein to develop a workable theory of general relativity.

Answer: Hermann Minkowski

2. Suppose that a meter stick is accelerated from rest to a constant velocity whose magnitude is one-half the speed of light. F15P, what is its measured length in the stationary reference frame along the direction of its motion?

Answer: (square root of 3) over two meters

8. How well do you know the history of the Swedish people? Tell me now what you know of Karl Twelve.

1. After defeating Denmark, Charles XII defeat the Russians at Narva in 1700 and took Poland in 1702. FTP what man did he install as king of Poland?

Answer: Stanislaus I Leszczyński ✓

2. A leader of the Cossacks in the Ukraine, he joined Charles XII when the Swedish army invaded Russia. F15P name this man whose military incompetence contributed to the defeat at Poltava.

Answer: Ivan Mazepa ✓

3. FFP name the man who won at Poltava and catapulted the Russians to global prominence.

Answer: Peter I or Peter, the Great Mihailovich

9. Name for me the German who directed these cinematic masterpieces on a 10-5 basis.

1. 10: Beware of a Holy Whore (1971)

5: The Bitter Tears of Petra von Kant (1972)

Answer: Rainer Werner Fassbinder ✓

2. 10: Sunrise (1927)

5: Nosferatu (1922)

Answer: Friedrich Wilhelm Murnau

3. 10: Hangmen Also Die (with Berthold Brecht, 1943) 5: The Last Will of Dr. Mabuse (1932)

Answer: Fritz Lang

10. To the hallowed halls of academic competition comes the spirit of the Joyceman. Tell me now of these other writers who sailed boldly the streams of consciousness.

1. First, FTP name the American philosopher who introduced the term "stream of consciousness" in his 1890 Principles of Psychology.

Answer: William James

2. Now, FTP name the French writer who claims to have been the first to use the interior monologue in his Les Lauriers sont coupés or We'll to the Woods No More.

Answer: Edward Dujardin

3. Lastly, identify the Virginia Woolf novel that employs the technique in describing the lives of Mr. and Mrs. Ramsay, their son James, and the artist Lily Briscoe.

Answer: To the Lighthouse

11. Name for me the fathers of these Greek and Trojan heroes for five points.

1. Menelaus

Answer: Atreus ✓

2. Troilus

Answer: Priam ✓

3. Nestor

Answer: Neleus ✓

4. Sarpedon

Answer: Zeus ✓

5. Neoptolemus

Answer: Achilles ✓

6. Odysseus

Answer: Laertes ✓

12. Identify these Baroque artists from works, 10-5.

1. 10: Malle Babbe

5: The Laughing Cavalier ✓

Answer: Frans Hals

2. 10: Marchesa Elena Grimaldi

5: King Charles I in Hunting Dress ✓

Answer: Anthony Van Dyck

3. 10: View of the Castle of Bentheim

5: The Jewish Cemetery

Answer: Jacob van Ruisdael

13. O ye winners of the speed check, tell me of these Catholic orders.

1. FFP this order, also called the Gray Friars, began in 1210 when it was approved by Pope Innocent II. It is said that its founder suffered from stigmata from 1224 to his death two years later.

Answer: Franciscans ✓

2. FFP this order, also called the Black Friars, began when Pope Gregory I gave its founder the authority to convert the Anglo-Saxons to Christianity.

Answer: Augustines ✓

3. FFP this order, also called the White Friars, originated as hermits converted by St. Simon Stock who lived on a mountain in Palestine. Prominent in university life, they were revived by the reforms of St. Theresa of Avila and St. John of the Cross.

Answer: Carmelites ✓

4. FFP this order, also called the Preaching Friars, was founded in 1216 when Pope Honorius III allowed them to speak against the heresy of the Albigenses. Prominent members of this order include St. Thomas Aquinas.

Answer: Dominicans ✓

5. FTP what collective name is applied to such orders for whom begging was the only permitted means of support during their early years?

Answer: Mendicant Orders

14. O ye who know the passion of intercourse, do you also know of syphilis? 10 pt. each

1. What Italian mathematician and philosopher wrote a Latin poem "Syphilis sive morbus Gallicus" from which the disease gets its name?

Answer: Girolamo Fracastro ✓

2. This German bacteriologist at the Robert Koch Institute developed and gave his name to a blood-serum test for syphilis.

Answer: August Paul von Wasserman ✓

3. What winner of the 1908 Nobel Prize in Physiology or Medicine synthesized Salvarsan as a treatment for syphilis.

Answer: Paul Ehrlich ✓

15. Given a Supreme Court case, name the man who was Vice President at the time the decision was handed down by the Supreme Court for ten points.

1. Plessy v. Ferguson

Answer: Adelai Stevenson (1896) ✓

2. McCulloch v. Maryland

Answer: Daniel Tomkins (1819) ✓

3. Miranda v. Arizona

Answer: Hubert Humphrey (1966) ✓

16. Identify this American writer, 30-20-10.

30: In 1904, he published his 1st novel, The Eagles Shadow, which is part of 18-volume Biography of Manuel.

20: His best known novel is subtitled "The Comedy of Justice". Many of his works are set in the fictional land of Pictesme.

10: His best known work is the novel Jurgen.

Answer: James Branch Cabell

17. O ye who won the toss-up, name for me the physical effect.

1. FFP it describes the increase in wavelength of electromagnetic radiation upon being scattered by material objects.

Answer: Arthur Holly Compton effect ✓

2. FTP it describes the phenomenon of recoil-free gamma-ray resonance absorption.

Answer: Rudolph Mossbauer effect ✓

3. F15P it is the splitting of spectral lines by an applied electric field.

Answer: Johannes Stark effect

(Note: The Zeeman effect is a similar phenomenon resulting from an applied magnetic field).

18. Put these battles of the Hundred Years' War in chronological order earliest to latest: Agincourt, Castillon, Crecy, Orleans, Poitiers, Sluys.

Answer: Sluys (1340), Crecy (1346), Poitiers (1360), Agincourt (1415), Orleans (1429), Castillon (1453)

19. From the titles of some music, name for me the who wrote them on a 10-5 basis.

1. 10 pt: Owen Wingrave (1970)

5 pt: Billy Budd

Answer: Edward Benjamin Britten

2. 10 pt: Vanessa (1958)

5 pt: Adagio for Strings

Answer: Samuel Barber

3. 10 pt: Violin Concerto in Memory of Manon Gropius

5 pt: Wozzeck (1925)

Answer: Alban Berg

20. Five points are awarded for each fantasy writer from a work:

1. A Wizard of Earthsea

Answer: Ursula K. LeGuin

2. Farmer Giles of Ham

Answer: John Ronald Reuel Tolkien

3. Gormenghast

Answer: Mervyn Peake

4. The Mists of Avalon

Answer: Marion Zimmer Bradley

5. Seventh Son

Answer: Orson Scott Card

6. Lord Foul's Bane

Answer: Stephen R. Donaldson