

1996 ACF Nationals
Questions by University of Oklahoma

1. Salvatore Cammarano wrote such arias as "Regnava nel silenzio," "Ah! Veranno a te sull'aure," and "Spargi d'amaro" for it, but it is more famous for its ensemble music, and its "Sextet" is ranked by many as the greatest opera music of its kind. In a crucial scene, the title character's madness is revealed when she speaks of being visited by a ghost while beside a fountain. FTP--name this opera which tells of the love of the title character for Edgardo of Ravenswood, written by Gaetano Donizetti and based on a Sir Walter Scott novel.

Answer: Lucia di Lammermoor (do not accept: The Bride of Lammermoor)

2. Set at the annual party held by the Morkan sisters, its characters include Mr. Bartell D'Arcy, Lily the housekeeper, and Miss Molly Ivors, a self-proclaimed intellectual who represents the author's frustration with so-called "nationalists" and who denounces Gabriel Conroy for visiting Belgium and France and for writing for a British literary review. FTP--name this James Joyce short story which concludes his collection Dubliners.

Answer: The Dead

3. This class of animals is characterized by a modified diapsid skull. The lungs of its members are the most efficient of all vertebrates. The stomach is divided into a glandular proventriculus and a muscular gizzard, which contains stones known as gastroliths for grinding food. FTP--name this class, hypothesized by some zoologists to be descended from dinosaurs.

Answer: Aves (prompt on Birds)

4. His family spoke Dutch at home instead of English, which they referred to as "Yankee talk." His public opposition to the annexation of Texas likely cost him nomination at the 1844 convention; however, it strengthened his growing conviction that the "slave power" was too strong and caused him to accept nomination as the Free Soil candidate in 1848. FTP--name this U.S. President who took the fall for the Panic of 1837 and was the victim of Harrison's landslide 1840 victory.

Answer: Martin Van Buren

5. An allegorical condemnation of fascism, the German narrator and his family are asked to leave an Italian resort for allowing a small child to run naked on the beach. During their last night at the hotel, they watch the entertainer Cipolla humiliate several people in the audience through hypnosis. A young waiter, who has been mocked in this exceptionally cruel way, shoots and kills the trickster when he awakens from his trance. FTP identify this story by Thomas Mann.

Answer: Mario and the Magician

6. Jesus questioned his authority of a teacher of Israel, since he himself did not understand all of what he said. Despite this Pharisee's status as a member of the Sanhedrin, he did come to believe in the rebirth through water and the Spirit. FTP--name this Biblical figure to whom Jesus said, "For God so loved the world that he gave his only son..." and who later brought the spices to Jesus' burial.

Answer: Nicodemus

7.
8. In the center of vitamin B-12, there is a ring of carbons, hydrogens, and nitrogens. Co-ordinated to the four nitrogens is a cobalt atom. In a chlorophyll molecule, this same ring structure appears, but a magnesium atom is co-ordinated to the four nitrogens. In hemoglobin, this same ring structure is co-ordinated to an iron atom. FTP identify this common organic ring structure.

Answer: porphyrin

9. Several weeks before this battle, the Russians held target practice in which they fired on an aging warship and after firing a thousand shots scored one hit--on the tugboat pulling the target. So it was not surprising that Admiral Togo blew the Russian navy out of the water. FTP--name this 1904 battle of the Russo-Japanese war which saw the beginning of Japan as a Pacific power.

Answer: Battle of Tsushima Straits

10. He worked for a while under Domenichino but found the Italian Baroque style too exuberant for his tastes. His later works are noted for their grandiose subjects and the compact, balanced grouping of the figures as well as a thoughtful, reserved mood. His patrons included Cardinal Barberini, King Louis XIII, and Cardinal Richelieu. Following first the style of Titian and then of Raphael, he later became the leading exponent of classicism in such works as St. John on Patmos and The Seven Sacraments. FTP--name this artist more famous for Et in Arcadia Ego and The Burial of Phocion.

Answer: Nicholas Poussin

11. He was born in Lancashire in 1584, and as a young man fought against the Spaniards in the Netherlands. In 1620, he was on the Mayflower, but in 1625 he returned to England to gain a more favorable agreement with the financiers of Plymouth colony. He helped found Duxbury, MA, in 1632, then served as assistant governor and military captain of Plymouth from 1633 until his death in 1656. FTP—identify this founding father, whose "courtship" by Longfellow is said to be completely fictitious.

Answer: Miles Standish

12. In 1950 Gerald Kuiper was making infrared spectrum of small bodies in the outer Solar System, when he noticed two peculiar peaks. Those two peaks indicated gaseous methane, not expected on such a small body. In 1980, Voyager I confirmed that methane was present in trace amounts in a mostly nitrogen atmosphere. FTP name this moon discovered by Christian Huygens, the largest satellite of Saturn?

Answer: Titan

13. Despite the rage and criticism of his family, he succeeds in bringing his father to trial for the murder of a laborer who was himself a killer. He is distinctly surprised to see Socrates at court, and it is through Socrates' conversation with him that we learn the details of Socrates' indictment. FTP—name the title subject of this dialogue who thinks he knows what piety is—at least until Socrates finishes with him.

Answer: Euthyphro

14. A neighbor thought it was Italian, an Italian thought it was Russian, a Dutchman thought it was French, a Spaniard thought it was English, an Englishman thought it was German, and a gendarme thought it was Spanish. But, FTP, the voice behind the locked door was actually an orangutan in what ratiocognitive exercise by Edgar Allen Poe, C. Auguste Dupin's first case?

Answer: The Murders in the Rue Morgue

15. He wasn't particularly fond of his mother, and one of his first acts was to prohibit women from ever inheriting the throne. His earliest measures were to exile his father's assassins and to pardon Polish prisoners including Kosciuszko. He reigned from 1800-1805, and he did not die of natural causes, but was supposedly strangled with a paperweight by supporters of his son, Alexander. FTP name this emperor whose erratic behavior earned him the nickname "The Mad Tsar."

Answer: Paul I

16. This property was theorized by O.W. Greenberg in order to ensure that the Pauli Exclusion Principle was not violated by particles such as the omega-minus. The hypothesis tripled the theoretical predictions for pi-meson decay rates and the baryon production cross-section in electron-positron annihilations bringing both phenomena in agreement with experimental data. FTP identify this quantum number associated with quarks in quantum chromodynamics.

Answer: color

17. Born in 1880, he did not learn to read until he was 14 and successively worked as a newspaper seller, docker, stone-breaker, railway worker, and builder's laborer. He learned his techniques from Boucicault and Shakespeare, and, after a brief stay in America in the 1930s, returned to Devonshire. FTP—name this Irish author most famous for drawing on themes learned as a boy on the streets of Dublin in such works as Within the Gates, The Shadow of a Gunman, and The Plough and the Stars.

Answer: Sean O'Casey

18. After a brilliant career as a soldier and a strategist, in 107 BC, he won the Roman consulate. Following a successful campaign against Jugurtha he was declared a savior of the state. When his archenemy was entrusted with the conduct of the Mithradatic war, he tried to strip Lucius Cornelius Sulla of command by inciting a civil war in 90 BC. FTP identify this general who rose from plebian stock to become a lifelong, fanatical foe of the aristocracy.

Answer: Gaius Marius

19. The church pastor talks Mrs. Alving out of investing in insurance for her orphanage because it is an insult to God's Providence, a move that backfires when the orphanage burns to the ground. Her son Oswald loses his mind as a result of inherited venereal disease, which caused an outcry against the play among Victorian critics. FTP—name the play written by Henrik Ibsen.

Answer: Ghosts

20. Its director drew his inspiration for this film from sitting in church as a child, listening to his father's sermons, and staring at a mural which depicted 14th century plague victims. In fact, he stole one scene from the mural directly, the image of Death and a Knight opposite one another over a chess board. FTP, name this 1956 film starring Max von Sydow as the Knight, which was one of Ingmar Bergman's early classics.

Answer: The Seventh Seal

21. Although he was a frequent guest composer of many of Europe's finest orchestras, his own main employment was as a director of a women's choir. Though eventually as celebrated in his native land as he was in the rest of Europe, he never returned home permanently, residing in Vienna until his death in 1897. FTP—name this German composer of the Piano Quintet in F Minor, German Requiem, and Academic Festival Overture.

Answer: Johannes Brahms

22. The city's central section is still known by its former name, while its heavily Chinese outer districts are known collectively as Cholon. A tourist guide suggests such sights as the Notre Dame cathedral, the downtown discos, and the Xa Loi (Sa Loy) Pagoda, and reminds you to check in with the Immigration Police within two days. FTP name this Asian city, where other interesting spots include the Museum of the Revolution, the Museum of American War Crimes, and the former U.S. embassy.

Answer: Ho Chi Minh City (prompt on Saigon)

23. The world before had existed not once, but four times, and these were the ages of the Suns. Water, earth, wind, and fire each had their reign. Each Ended in disaster. The people of these previous ages were turned into fish, monkeys, fell to death, or were eaten by tigers. FTP, identify this culture that once held these beliefs that claimed to be living in the time of the fifth sun and was waiting to be fed maize by the god Quetzalcoatl.

Answer: The Aztecs

24. Everyone knows that, according to the ideal gas law, $p \cdot V$ equals $n \cdot R \cdot T$, so that if you took $p \cdot V$ divided by quantity $n \cdot R \cdot T$, you get the quantity one. Using real gases, however, you get a quantity not one. FTP—identify this quantity, which equals almost zero for solids and liquids, symbolized in physical chemistry by the letter "z".

Answer: compressibility (accept: compression)

25. It was proposed on June 14 by William Paterson and effectively voted down less than a week later when a rival suggestion was adopted. Its primary supporters were John Lansing, Jr. and Robert Yates of New York, who argued that it more closely represented what the convention-goers were supposed to do. FTP—name this plan which called for the revising of the Articles of Confederation rather than an attempt to create a new government and was rejected in favor of the Virginia Plan.

Answer: New Jersey Plan

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1. Pencil and paper ready. Identify these value of an ellipse described by the equation $16x^2 + 9y^2 = 144$. Answers are worth the stated number of points.
 1. 5 pts: Which axis is the major axis?
Answer: "y" axis
 2. 5 pts: What type of number, the opposite of algebraic, describes the value of the perimeter of an ellipse?
Answer: transcendental
 3. 5 pts: Identify one of the y-intercepts of the ellipse. (20 seconds)
Answer: 4 or -4
 4. 15 pts: What is the value for the eccentricity of the ellipse? (20 seconds)
Answer: 7/16 [seven "over" (divided by) sixteen] or 0.4375
2. Answer the following questions about the novel Crime and punishment for the stated number of points:
 1. 5 pts: Name the protagonist.
Answer: Rodion Romanovich Raskolnikov
 2. 10 pts: Name the detective that investigates the murders and who engages with Raskolnikov in discussion about the nature of crime and the criminal mind.
Answer: Porfiry Petrovich (prompt for more if they say Porfiry)
 3. 15 pts: Name the friend of Raskolnikov who eventually marries Raskolnikov's sister Dounia.
Answer: Razumikhin
3. Given the city, name the river, bay, or gulf on which it sits for ten points each.
 1. Lisbon, Portugal
Answer: Rio Tagus (accept: Rio Tejo)
 2. St. Petersburg, Russia
Answer: Gulf of Finland (accept: River Neva)
 3. Thessaloniki, Greece
Answer: Thermaikos Gulf (accept: Thermaikos Kolpos)
4. In 1773-74, a huge revolt swept Russia, eventually taking the city of Kazan before being crushed by government forces. Answer the following question on this revolt for the state number of points.
 1. 5 pts: Name the Russian ruler who demolished the revolt.
Answer: Catherine II (accept Catherine The Great)
 2. 15 pts: The revolt was led by someone pretending to be the murdered husband of the Empress. Who did he pretend to be?
Answer: Peter III
 3. 10 pts: What was the real name of the Cossack leaders?
Answer: Emelyan Pugachev (poo-gah-chov)
5. Everybody knows something about dinosaurs, but what do you know about other ancient extinct reptiles? Answer the following questions for fifteen points each.
 1. 15 pts: These reptiles, the "mammal-like" reptiles, were descended from pelycosaurs (pel-ik-oh-sores) such as Dimetrodon (duh-MET-row-don). They arose during the early Permian, but became extinct during the Jurassic, making them contemporaries of the earliest dinosaurs.
Answer: Therapsids or Therapsida (ther-ap-si-duh)
 2. 15 pts: These reptiles were the most primitive archosaurs (ark-oh-sores). Their descendants include dinosaurs, pterosaurs (silent "p"), crocodiles, and birds. Their name means "covered tooth."
Answer: Thecodonts or Thecodontia (thee-co-don-sha)
6. Most old actors just fade away, but a few manage to go out with a bang. 5-10-15 name the actor who made a spectacular final bow.
 1. 5 pts: He paused to admire a rose, then died and was played for the rest of the film by the director's girlfriend's chiropractor. Name this classic Dracula who ended up working for Ed Wood in Plan Nine from Outer Space.
Answer: Bela Lugosi
 2. 10 pts: After fading away in a series of '30s films in which he was paired with Jimmy Durante, he had a much belated last bow as Erronius in A Funny Thing Happened on the Way to the Forum.
Answer: Buster Keaton
 3. 15 pts: Famous for his gangster roles, he died two weeks after completing his acclaimed role as the old survivor in Soylent Green.
Answer: Edward G. Robinson

7. Given a colorful title, name the author for 5 points apiece:

1. Bluebeard's Egg
2. The White Company
3. Agnes Grey
4. The White Goddess
5. Green Mansions
6. The Black and the White

Answer: Margaret Atwood ✗
Answer: Sir Arthur Conan Doyle ✓
Answer: Anne Bronte ✓
Answer: Robert Graves ✗
Answer: William Henry Hudson ✗
Answer: Harold Pinter ✗

8. Answer the following questions about taking sides in the Civil War era for ten points apiece:

1. Though their legislatures voted not to secede, secessionists in two states formed separate pro-slavery legislatures and sent representatives to the Confederate Congress, which seated them along with the members from the 11 seceded states. For five points apiece—name these two states.

Answer: Kentucky and Missouri

2. The only of the Five Civilized tribes with a sharp split on the issue of alliance, its chief, who favored the Union, eventually signed a treaty with the Confederacy rather than face an internal civil war in the tribe.

Answer: Cherokee

3. This state, the ninth to secede, was perhaps the most unified behind secession, as its convention voted 69-1 in favor of secession.

Answer: Arkansas

9. Identify the composers of the following ballets for 10 points apiece.

1. Gayaneh (1942)
2. Giselle (1841)
3. Romeo and Juliet (1936)

Answer: Aram Khachaturian
Answer: Adolphe Adam
Answer: Sergei Prokofiev

10. Given the biblical figure, name his or her mother for five points apiece:

1. Moses
2. Benjamin
3. Boaz
4. John the Baptist
5. Esau
6. Salome

Answer: Miriam ✗
Answer: Rachel ✓
Answer: Naomi ✗
Answer: Elizabeth ✓
Answer: Rebekah ✗
Answer: Herodias ✗

11. Identify the following characters from Faulkner's As I Lay Dying for 10 points apiece:

1. Addie Bundren's favorite son and the product of her affair with Reverend Winfield

Answer: Jewel

2. Bitter because of Addie's rejection, this son conspires to take Jewel into town so that Jewel will not be there when Addie dies.

Answer: Darl

3. Addie's husband

Answer: Anse

12. Answer these questions about Japanese history for 10 points apiece:

1. Name the family that controlled the shogunate for nearly 200 years until the Meiji Restoration in 1868.

Answer: Tokugawa

2. Many of the leaders of the Meiji Restoration were exponents of this nationalistic philosophy, whose name combined the Japanese expressions for "revere the Emperor" and "expel the barbarians."

Answer: sonno joi (SOH-no joe-EE)

3. The assassination of this last civilian Prime Minister prior to World War II paved the way for military control of the government.

Answer: Inukai

13. Identify the following elements from their discoverers for 10 points, for 5 if you need their atomic number.

1. 10 pts: Albertus Magnus

5 pts: 33

Answer: arsenic

2. 10 pts: Hans Christian Oersted

5 pts: 13

Answer: aluminum

3. 10 pts: the brothers d'Elhujar

5 pts: 74

Answer: tungsten (prompt on wolfram)

14. Answer the following questions about American imperialism and Manifest Destiny for 15 points apiece:

1. Name the Massachusetts Senator who led the anti-imperialist forces who did not want to annex the Philippines in 1898

Answer: George F. Hoar

2. Name the Indiana Senator who led the imperialists. He stressed the commercial advantages of ownership and deplored "hauling down the flag."

Answer: Albert Beveridge

15. For five points apiece, identify the George Bernard Shaw play given the subject of its marathon prologue.

1. the nature of military heroism

Answer: Arms and the Man ✓

2. the character and message of Jesus

Answer: Androcles and the Lion ×

3. the libertine in today's world

Answer: Man and Superman ✓

4. the blindness of theatrical censors to real social conditions

Answer: Mrs. Warren's Profession ✓

5. evolution and its implications

Answer: Back to Methuselah ✓

6. Actually a short prologue, the marathon epilogue traces the characters future lives and tells why the main characters will not marry.

Answer: Pygmalion ✓

16. Identify the physicist, 30-20-10.

1. He worked under William Ramsay in London and Ernest Rutherford in Montreal. In 1928, he became director of the Kaiser Wilhelm Institute in Berlin. After World War II, he was interned briefly in Cambridge.

2. With Lise Meitner in 1917, he discovered radioactive protactinium. In 1938, he followed the researches of the Joliot-Curies and detected nuclear fission by bombarding uranium with neutrons.

3. The winner of the 1944 Nobel Prize for Chemistry, and element 105 is named in his honor.

Answer: Otto Hahn

17. Identify the artists of the following for 10 points apiece:

1. Mont Sainte-Victoire (1885)

Answer: Paul Cezanne

2. Perseus with the Head of Medusa (1545-1554)

Answer: Bernvenuto Cellini

3. Madonna of the Harpies (1517)

Answer: Andrea del Sarto

18. In 1526, there were seven electors of the Holy Roman Empire. Identify three for ten points, five for 20 points, or all seven for 30 points.

Answer: King of Bohemia, Elector of Saxony, Prince of the Palatinate of the Rhine, Margrave of Brandenburg, Archbishop of Cologne, Archbishop of Mainz, Archbishop of Trier.

19. Loki's shape-shifting abilities got put to the test a lot, with varying results. 5-10-15 identify the animal Loki morphed into.

1. 5 pts: He turned into this to disrupt the building of the wall around Asgard, obtaining Slepnir for Odin in the process

Answer: Mare (prompt on horse)

2. 10 pts: He sabotaged the forging of Mjolner by turning into this and biting the dwarvish smith.

Answer: Horsefly

3. 15 pts: During his final flight from the gods, he turned into this to hide, but was snagged by Tew.

Answer: Salmon (prompt on fish)

20. Identify the Japanese authors of the following works of literature for 10 pts. each:

1. The Silent Cry, The Crazy Iris

Answer: Kenzaburo Oe

2. The Sound of Waves, The Temple of Dawn

Answer: Yukio Mishima

3. The Ark Sakura, The Ruined Map

Answer: Kobo Abe

21. Answer the following questions about the human body for 10 points apiece:

1. There are two sphincters along the GI tract, one of which separates the lower esophagus from the stomach, and the other, which separates the stomach from the small intestine. For 5 points apiece, name them.

Answer: cardiac sphincter, pyloric sphincter

2. this hormone, also called ADH or anti-diuretic hormone, increases water reabsorption from the kidney filtrate

Answer: vasopressin

3. Formerly called dropsy, it is an abnormal accumulation of fluid in the connective tissues

Answer: edema