

Round 9.

1996 ACF Regionals
Questions by the University of Chicago A

1. Topics in this branch of mathematics include martingales, almost-sure convergence, Markov chains, and density functions. The first formal axiomatic foundations were laid by Kolmogorov in 1933, but the field is said to have begun in 1654 with the study of gambling games by Fermat and Pascal. FTP, identify this field that deals with the study of chance processes.

Answer: probability

2. The second edition of this novel was dedicated to William Thackeray. It traces the life of its main character from life with her cruel aunt Mrs. Reed, and her education at Lowood. She then becomes a governess at Thornfield Hall, where she falls in love with the owner who keeps his wife Betha locked up upstairs. FTP, name this book by Charlotte Bronte.

Answer: Jane Eyre

3. No one can come here without first receiving permission from the US Navy. Comprised of Sand Island, Eastern Island, and a coral atoll, it has no native peoples and was uninhabited when it was discovered in 1859. A National Wildlife Refuge is located here, but it is better known for its naval air base and for being the site of a June 1942 battle. FTP, name these islands 1500 miles northwest of Honolulu.

Answer: Midway Islands

4. The Last Angry Man, Dr. Socrates, Scarface: the Shame of the Nation, I Am a Fugitive From a Chain Gang, The Good Earth. Ftp, name the actor who starred in all of these movies, and who won the Oscar in 1936 for The Story of Louis Pasteur and a Tony in 1956 for Inherit The Wind.

Answer: Paul Muni

5. A.J. Arberry's translation is considered by many to be the definitive English version. In 1734, George Sale's translation was published and served as the authoritative translation until the end of the nineteenth century. The translation history of the book is rich with literary merit, starting with Robertus Retensis in 1143. FTP, Name this work which cannot be translated, but rather ■interpreted■.

Answer: The Koran

6. Originally considered to be a compound of oxygen by its discoverer, who believed that all acids must contain oxygen, this element was first properly identified 36 years later by an English chemist. It and its compounds are commonly used as a disinfectant and antiseptic, and it forms a primary component of the pesticide DDT. FTP, name this element first discovered in 1774 by Karl Scheele and identified in 1810 by Sir Humphrey Davy, a member of the Halogen group in the periodic table.

Answer: Chlorine

7. After the Civil War, he served as Minister to Mexico and represented California in Congress. He first gained fame in the West Virginia campaign and led Union forces at the battles of luka and Corinth. FTP, name this commander of the Union Army of the Cumberland, who fought Braxton Bragg at Murfreesboro and Chickamauga.

Answer: William S. Rosecrans

8. A painter like his father, his training was in law. However, this friend of Charles Dickens is best remembered as a writer. No Name and Armadale are two of his works that exploit mystery identities to create a Sensation Novel. Perhaps his greatest character is the corpulent, intelligent, and villainous Count Fosco, who appears in The Woman in White, but his most famous work includes such characters as Ezra Jennings, Franklin Blake, Rachel Verinder, and Sergeant Cuff. FTP, name this author of The Moonstone.

Answer: Wilkie Collins

9. Born on Christmas Eve, 1809, in Richmond, Kentucky, he ran away from home when he was 16 to become a wrangler on the Santa Fe Trail. Over the next few years, he worked as a wagon teamster, an Indian fighter, and trapped with Jim Bridger and Joe Meek. In 1842, he acted as a guide for a lieutenant of the Army Topographical Engineers and surveyed the South Pass to the Rocky Mountains. FTP, name this explorer famous for acting as the guide of John C. Fremont.

Answer: Christopher ■Kit■ Houston Carson

10. Returning from medical treatment in Switzerland to Russia, the protagonist finds himself heir to a large fortune and meets Rogozhin and Nastasya Filippovna. He becomes involved with two families, the Yepanchins and Ivolgins, who are drawn to his gentle, childlike nature. He asks Nastasya Filippovna and Aglaya Yepanchin both to marry him but marries neither; instead he reverts to his earlier lunatic state when he sees the scene of Nastasya's murder by Rogozhin. FTP, name this title character of a Dostoevsky novel.

Answer: The Idiot (accept Prince Myshkin)

11. Small ones are called growlers, and they are born by the process of calving. Northern ones are typically irregular and peaked, while southern ones are tabular, with flat tops and steep clifflike sides, sometimes as large as tens of miles wide and half a mile thick. FTP, what are these ocean-going objects composed of compacted and recrystallized snow?

Answer: icebergs

12. John Howard, Duke of Norfolk, was killed in the initial skirmish. Though called to the area by the king, Lord Stanley and the Earl of Northumberland failed to assist the Yorkists in battle. When Richard moved against Henry Tudor, Richard's flank was attacked by Sir William Stanley, brother of Lord Stanley who had privately pledged support for Henry. Richard was eventually unhorsed and killed in the bog. FTP, name this battle of August 22, 1485, in which Henry Tudor defeated Richard III.

Answer: Battle of Bosworth Field

13. Distraught following the deaths of her children, she fled Thebes and was turned to stone at Mt. Sipylus by Zeus. For 10 points, identify this wife of Amphion and daughter of Tantalus whose children were slain by Apollo and Artemis after she bragged she was better than Leto who had merely mothered two gods.

Answer: Niobe

14. The two modern genera are descended from Megatherium, a giant ice age variety. South and Central American in origin, they have long limbs with digits bound together by tissue and terminating in long, strong, claws, which they use to suspend themselves from tree branches. FTP, name these nocturnal, vegetarian creatures and members of the order edentata.

Answer: sloths

15. The philanthropic schemes of her father kept the family poor. So writing under the pseudonym, A.N. Barnard, she wrote a number of gothic tales, such as ■Pauline's Passion and Punishment■ and ■Behind a Mask: or A Woman's Power■ for various magazines to contribute to the family income. Her family finally managed to find financial security when she turned out such successful books as Under the Lilacs, Eight Cousins, and An Old-Fashioned Girl. FTP, name this American author.

Answer: Lousia May Alcott

16. One unexecuted plan called for three of them to be grouped around a statue of Buddha. Best known in polished metal, successive versions were made of black and white marble as well. About 5 feet high, in America they now can be found in MOMA and the Art Institute of Chicago, although when they were first imported, it was disputed whether for import tax purposes they should be classed as works of art at all. FTP, name this series of sculptures by Constantin Brancusi.

Answer: Bird in Space

17. There are either nine or ten of them, depending on whether or not you count the last one. The third is over an hour and a half long. The first contains a grotesque parody of Frere Jacques. The eighth sets both a medieval hymn and Goethe's Faust. The fifth ends with a rondo following on a famous adagietto. The ninth ends with a long adagio. The sixth is called the Tragic. FTP, name this set which includes the Titan and the Resurrection.

Answer: the symphonies of Gustav Mahler

18. One version says that the term was first applied by a disbanded army officer in 1641. According to another version, Queen Henrietta Maria used this term in reference to parliamentary leader John Pym during the trial of Thomas Wentworth. FTP, name this derisory name used to describe the Parliamentary Party during the English Civil War.

Answer: Roundhead

19. Tradition holds that he was killed in single combat with the son of Tarquinius Superbus during a battle with the Etruscans. He is held to have ousted the despotic Etruscan king Lucius Tarquinius Superbus from Rome in 509 and then to have founded the Roman Republic. Elected to the first consulship in that year, he condemned his own sons to death when they joined in a conspiracy to restore the Tarquins. FTP, name this Roman who shares his name with a later Roman who also ousted an alleged despot.

Answer: Lucius Junius Brutus

20. His first novel, Satan in Goray was published in 1935; the same year he left Poland for the U.S. In New York, he wrote articles for the Jewish Daily Forward under the pseudonym Warshofsky. FTP, name this Yiddish author of The Manor, The Estate, and Enemies, A Love Story who won the 1978 Nobel Prize in Literature.

Answer: Isaac Bashevis Singer

21. This composer was born near Rome and spent his whole career in Vatican City. A prodigious writer, he composed over a hundred masses, five hundred motets and a hundred and fifty madrigals. His most famous work, the Pope Marcellus Mass, was probably composed in 1562, and typifies his characteristic seamless, polyphonic style. This work is viewed as a pinnacle of musical art, and was honoured by Hans Pfitzer in his 1917 opera of the same name as this composer. Who is this famous church composer?

Answer: Giovanni Pierluigi da Palestrina

22. At the age of thirty, he left his home and went to the mountains, living there for ten years with an eagle and a serpent. He then felt overflowing with wisdom and thus began his down-going. Thus begins this story whose main character slowly expounds his philosophy by speaking with the different people he meets on his journey. FTP, name this protagonist of a late nineteenth century work of philosophy and title character of a Strauss tone poem.

Answer: Zarathustra

23. This famous Englishman began his career at age 15 as a page of honor to the future King James II. He received an army commission at age 17, and learned the art of war under Marshal Henri Turenne. He deserted King James' during the Glorious Revolution of 1688. When Queen Anne came to the throne in 1702, his wife's influence with the queen helped him become the commander-in-chief of British forces, and a leading member of the English government. FTP, name this famous general, who led English forces to victory at the battles of Malplaquet, Ramillies, and Blenheim.

Answer: John Churchill or Duke of Marlborough

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1. Given a work of fiction, give the author for 5 points each.

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| 1. <u>Tristram Shandy</u> | Answer: Laurence <u>Sterne</u> |
| 2. <u>Moll Flanders</u> | Answer: Daniel <u>Defoe</u> |
| 3. <u>Women in Love</u> | Answer: D.H. <u>Lawrence</u> |
| 4. <u>Joseph Andrews</u> | Answer: Henry <u>Fielding</u> |
| 5. <u>Guy Mannering</u> | Answer: Sir Walter <u>Scott</u> |
| 6. <u>Dejection: An Ode</u> | Answer: Samuel Taylor <u>Coleridge</u> |

2. Science is not always as objective as it might seem. Identify these scientific blunders for 10 points each.

1. The statistician R. A. Fisher showed that this scientist's early genetic experiments matched theoretical expectations a little too closely, concluding the data were likely fudged.

Answer: Gregor Mendel

2. This agronomist set back Russian biology for decades with his Stalin-backed program of research and his ideological refusal to believe in genes.

Answer: Trofim Lysenko

3. This founder of the Anthropological Society of Paris studied the relationship between brain size and intelligence among races, using his method of measuring cranial capacity by pouring lead shot into skulls to demonstrate the mental superiority of Europeans.

Answer: Paul Broca

3. How well do you know your Marx? Given the definition state Marx's term for it for ten points a piece.

1. An object which satisfies some human wants and, therefore, has some utility and is produced by human labor for the market.

Answer: commodity

2. The state of the worker being estranged from his labor.

Answer: alienation

3. This was Marx's two-word term to describe the process that drove mankind and his interactions with the world. Unlike Hegel, Marx felt that the world should be described as driven by reality rather than ideas.

Answer: dialectic materialism

4. Identify the composer from the nickname given his first symphony for 10 points each.

- | | |
|----------------------|---------------------------------------|
| 1. Classical | Answer: Sergei <u>Prokofiev</u> |
| 2. Sea | Answer: Ralph <u>Vaughan Williams</u> |
| 3. Beethoven's Tenth | Answer: Johannes <u>Brahms</u> |

5. Answer these questions on magnetic materials.

1. Exhibited by a material whose temperature exceeds its Curie temperature, this type of magnetism occurs in substances containing atoms or ions with a permanent dipole moment and thus a small magnetic susceptibility.

Answer: Paramagnetism

2. This type of magnetism occurs in substances whose atoms have no permanent magnetic dipole moment, but when placed in an external magnetic field display a weak magnetic dipole moment opposite the applied field. Certain types of superconductors also display this type of magnetism, creating the Meissner effect.

Answer: Diamagnetism

3. The strongest type of magnetism and normally associated with permanent magnets, this type occurs when a material is below its Curie temperature.

Answer: Ferromagnetism

6. Answer these questions about Chinua Achebe's most famous work for 10 points each.

1. Name the book in which the protagonist Okonkwo commits suicide by hanging.

Answer: Things Fall Apart

2. Okonkwo belonged to what tribe?

Answer: Ibo

3. The grandson of Okonkwo is the protagonist in Achebe's novel No Longer at Ease which takes its title from what poet's "The Journey of the Magi"?

Answer: T.S. Eliot

7. Given a famous melody, name the composer FFPE:

1. Round Midnight

Answer: Thelonious Monk

2. Aloha Oe

Answer: Queen Lilioukalani

3. the Jeopardy! theme

Answer: Merv Griffin

4. Mack the Knife

Answer: Kurt Weill

5. the Pink Panther Theme

Answer: Henry Mancini

6. the Rainbow Connection

Answer: Paul Williams

8. Answer the following questions about the 1938 Munich crisis for 10 points each.

1. Name the region of Czechoslovakia that Germany demanded in 1938.

Answer: The Sudetenland

2. Name the French Premier who attended the Munich Conference.

Answer: Edouard Daladier

3. Name the British Foreign Secretary during the Munich Conference.

Answer: Lord Halifax (Sir Edward Frederick Lindley Wood, Earl of Halifax)

9. Some cities have been designed and planned primarily by one architect. Given the city and his nationality, name the chief architect FTPE:

1. the buildings of Brasilia, Brazilian

Answer: Oscar Niemeyer

2. Chandigarh, Swiss

Answer: Le Corbusier (acc: Charles Edouard Jenneret)

3. Canberra, American

Answer: Walter Griffin

10. Answer the following questions about the Mexican War for the stated number of points.

1. 5 pts: Name the ■rough and ready■ American general who won the battle of Buena Vista.

Answer: Zachary Taylor

2. 10 pts: Name the U.S. representative who negotiated the Treaty of Guadalupe Hidalgo, despite being recalled by President Polk.

Answer: Nicholas Trist

3. 15 pts: Site of the 1847 battle where U.S. troops fought the Los Ninos, boy cadets from a Mexican military school.

Answer: Chapultepec

11. Answer the following questions about the mythological enchantress Circe for 10 points each.

1. Whose men did Circe change into animals?

Answer: Odysseus

2. On what island did she live when she changed Odysseus men into animals?

Answer: Aeaea

3. What magic plant did Hermes advise Odysseus to throw into his drink to protect himself from Circe's magic?

Answer: moly

12. Answer these questions on Germany in the middle ages, 10 pts each.

1. Name the German king who after practicing lay investiture was excommunicated and forced to do penance at Canossa by Pope Gregory VII.

Answer: Henry IV

2. For 10 pts each, name the 2 families that competed for the throne of the Holy Roman Empire after 1138.

Answer: Welf or Guelf and Waibling or Ghibelline

13. Given a work, identify the philosopher who penned it, for 5 points apiece.

1. On Laughter

Answer: Henri Bergson

2. Philosophical Investigations

Answer: Ludwig Wittgenstein

3. Being and Time

Answer: Martin Heidegger

14. Identify the literary creator or creation for the stated number of points. First and last name required.

1. 5 points-the man who remains young while a portrait of him ages and degenerates

Answer: Dorian Gray

2. 5 points-eighteenth century author of a famous elegy ending in The Epitaph

Answer: Thomas Gray

3. 5 points-author of Riders of the Purple Sage

Answer: Zane Grey

4. 15 points-hero of a Disraeli novel subtitled The Young Duke

Answer: Vivian Grey

15. Identify the following 17th century scientists for 15 points each from the clues given.

1. This 17th century Dutch physicist stated the principle that every point on the front of an advancing wave itself is the source of new waves.

Answer: Christian Huygens

2. This 17th century Danish physicist and astronomer calculated the speed of light by observing the motion and eclipses of Jupiter's moons.

Answer: Olaus Roemer

16. Identify these events in the life of Constantine the Great for ten points each.

1. At this battle in 312 Constantine defeated Maxentius to become sole ruler of the Western Roman empire.

Answer: Battle of the Milvan Bridge

2. This edict of 313 guaranteed Christians religious tolerance.

Answer: Edict of Milan

3. This first ecumenical council of the Christian Church was called by Constantine in 325.

Answer: Council of Nicea

18. Given the name of a country's largest port city by population, name the country 10 points each, given the capitol for 5 points each.

1. 10 pts: Pusan

5 pts: Seoul

Answer: South Korea

2. 10 pts: Aqaba

5 pts: Amman

Answer: Jordan

3. 10 pts: Constanta

5 pts: Bucharest

Answer: Romania

19. Given the names of some plays, give the playwright for ten points. You get five points if you need the most famous work.

1. 10 pts: the Well of the Saints, The Shadow of the Glen 5 pts: Riders to the Sea

Answer: John Millington Synge

2. 10 pts: Power and Glory, Mother 5 pts: R.U.R.

Answer: Karel Capek

3. 10 pts: Dear Brutus, The Admirable Crichton 5 pts: Peter Pan

Answer: James M. Barrie

20. Given the Secretaries of State, give the President for ten points apiece.

1. Timothy Pickering, and John Marshall

Answer: John Adams

2. Daniel Webster, Abel P. Upshur, and John C. Calhoun

Answer: John Tyler

3. John Hay, Elihu Root, and Robert Bacon

Answer: Theodore Roosevelt

21. Given the first line, give the piece of American literature for ten points. You get five if you need the author.

1. 10 pts: ■ In 1913, when Anthony Patch was twenty-five, two years were already gone since irony, the Holy Ghost of this later day, had theoretically at least, descended upon him. ■

5 pts: F. Scott Fitzgerald

Answer: The Beautiful and the Damned

2. 10 pts: ■ The towers of Zenith aspired above the morning mist, austere towers of steel and cement and limestone, sturdy as cliffs and delicate as silver rods. ■

5 pts: Sinclair Lewis

Answer: Babbitt

3. 10 pts: ■ In the time before steamships, or then more frequently than now, a stroller along the docks of any considerable seaport would occasionally have his attention arrested by a group of bronzed mariners, man-of-war's men or merchant sailors in holiday attire ashore on liberty. ■

5 pts: Herman Melville

Answer: Billy Budd

22. For 5 points each, given the name of a classical composition, name the composer.

1. Variations on a Theme by Joseph Haydn

A: Johannes Brahms

2. Incidental music to Goethe's play Egmont

A: Ludwig van Beethoven

3. Danse Macabre

A: Camille Saint-Saens

4. Calm Sea and Prosperous Voyage

A: Felix Mendelssohn

5. Fanfare for the Common Man

A: Aaron Copland

6. Academic Festival Overture

A: Johannes Brahms

or Edward Elgar