# 2002 Martin Luther King Jr. Memorial Tournament University of Michigan/Duke University Tossups by South Carolina (Eric Douglass) 

## MHOW: mow

1. The beginning of everything in this short story was in a railway train upon the road to Mhow from Ajmir, and is originally found in the collection The Phantom Rickshaw. One of the main characters, a ne'er do well named Daniel Dravot, is executed when his wife bites him and draws blood, revealing his mortality to the natives. For 10 points - identify this Rudyard Kipling story about Daniel's attempts to rule Kafiristan.
Answer: The Man Who Would be King
2. In 1902 he established a cancer institute at his own expense and began research in using chemotherapy on trypanosoma infections. His early work at the Berlin Medical Clinic was extended by Ziehl and Neelson, and was also the basis for the Gram method of staining bacteria. As a result of this work, he showed that all dyes can be classified as being basic, acidic, or neutral. For 10 points - identify this bacteriologist who discovered salvarsan for the treatment of syphilis.
Answer: Paul Ehrlich
3. First held in 1975 in Dallas, it became a nationwide campaign in 1976 and led to its company becoming the worldwide market leader from 1976 to 1986. In 2000, it was held in the U.S. for the first time since 1983, and the results have shown people prefer the taste of the product it's named for in 30 major markets. For 10 points - identify this contest, sometimes advertised by Sammy Sosa or Hallie Kate Eisenberg, in which people drink two unmarked cans of cola.
Answer: Pepsi Taste Challenge
4. The origins of this type of composition stem from the introduction of music to the chapel assemblages of Saint Phillip Neri in 1551. Emilio del Cavaliere's Representation of Spirit and Body is considered to be the first. Employing chorus, orchestra, and soloists and usually a setting of sacred libretto without stage action or scenery -- for 10 points -- name this type of composition of which Handel's Messiah is perhaps the most famous.
Answer: oratorio
5. Among those involved in its founding were post office employee William Ireland and William Saunders, a horticulturalist with the Department of Agriculture. After the Panic of 1873, membership in this organization increased greatly, especially in Indiana and Missouri. It extended its political muscle by lobbying for maximum railroad rates and regulation of grain elevators. For 10 points - name this group founded by Oliver Hudson Kelley, a fraternal organization of farmers.
Answer: National Grange of the Patrons of Husbandry
Accept: Patrons of Husbandry

## FAHMEL: fah-mehl

6. This novel occurs on the $80^{\text {th }}$ birthday of the architect of St. Anthony's Abbey. His grandson Joseph is serving his apprenticeship by helping to rebuild the abbey, which has been destroyed by his father Robert due to its collaboration with the Nazis. At the end of the novel, three generations of the Fahmel family reconcile their differences over a cake shaped like the church in - for 10 points - what Heinrich Boll novel named for the game Robert plays each day at the same time?
Answer: Billiards at Half Past Nine
7. In 1977, Paris and Harrington provided the first example of a statement that is true for the integers but not for the arithmetic derived from these statements. Derived from earlier work by Dedekind, one of the statements, the basis of mathematical induction, states that a set of numbers that contains zero and all successors of zero contains every natural number. For 10 points - identify this axioms derived by an Italian mathematician.
Answer: Peano postulates
Accept: Peano axioms

## PEREVOLOCHNA: pair-eh-vuh-lo-tch-na

8. After three-quarters of his army surrendered to the Russians at Perevolochna, he spent five years in Turkey and evaded a plot to turn him over to Augustus of Saxony. After becoming king at the age of 15 in 1697, he ordered sheep to his room for the pleasure of beheading them. For 10 points - identify this king who unsuccessfully defended Sweden during the Great Northern War.
Answer: Charles XII
9. Boston's Symphony Hall refused to play one of his operas in the wake of September 11 due to its Chorus of Exiled Palestinians. He refused to allow the hall to perform his Harmonium instead of the controversial opera, The Death of Klinghoffer. For 10 points - identify this composer whose best known opera is Nixon in China.
Answer: John Adams
10. Once incorporated into protein, its basic side chain often provides a positive electric charge to the protein that aids its solubility in water. Another function of its side chain is to bind coenzymes such as pyridoxal phosphate, lipoic acid, and biotin to enzymes and it plays a vital role in the functioning of histones. For 10 points - identify this essential amino acid that is often lacking in diets that rely primarily on cereals.
Answer: Ivsine
11. Some of its land has been reclaimed for agricultural use through the extension of canals fed with waters of the Sutlej and Beas rivers. Located between the Sutlej River valley on the west and the Aravelli Range on the east, it has an annual rainfall of less than ten inches. Known as a prime area for weapons testing - for 10 points -- name this desert of northwestern India and eastern Pakistan.
Answer: Thar Desert
Accept: Great Indian Desert
12. Chemically, it is a mixture of saturated hydrocarbons with the general formula $\mathrm{C}_{n} \mathrm{H}_{2 n+2}$ where n is an integer between 22 and 27. White, translucent, odorless, and tasteless, it melts between 47 degrees Celsius and 65 degrees Celsius. Insoluble in water, it is soluble in ether and benzene and, though unaffected by most chemical reagents, it burns easily in air. For 10 points - identify this solid that is used in making cosmetics and candles.
Answer: paraffin
13. Among the people the main character of this film encounters on his journey are a woman who has hit 14 deer in one week with her car and a pair of quarreling, small town mechanics named the Olsen twins. The movie centers on the true story of the main character's decision to travel from his lowa home to Wisconsin on a lawn mower to see his ailing brother. For 10 points name this David Lynch film that earned a best actor Oscar nomination for Richard Farnsworth in 1999.

Answer: The Straight Story
14. When his brother Bion wanted to marry Pero, Pero's father demanded the cattle of Iphiclus for his daughter. When he tried to obtain the cattle for Bion, he was jailed but released after he learned the reason why Iphiclus was childless from a vulture. For 10 points - name this mythological Greek physician and clairvoyant who was given the ability to understand the speech of all living creatures when his ears were licked by snakes.
Answer: Melampus

## BARATIERI: bare-eh-ti-air-ee

## ASKARIS: as-kar-ees

15. General Oreste Baratieri hoped to take the highlands overlooking this city but difficult terrain and the arrival of 30,000 troops under Ras Makonnen of Harar caused confusion in the Italian lines. By the end of the battle, 300 Italian officers, 2,900 European soldiers and thousands of Eritrean askaris were dead. For 10 points - identify this 1896 battle in which the forces of Emperor Menelik II stopped Italian attempts to conquer Ethiopia.
Answer: Battle of Adowa
16. Daniel Bernoulli used this concept in order to resolve the St. Petersburg Paradox, while Jules Dupuit was among the first to express this law in an economic context. It was linked to a downward-sloping demand scale, and is commonly expressed using the example of a hungry man eating cheeseburgers. For 10 points - identify this law of economics, that states the a consumer receives less satisfaction for each additional unit of a product consumed.
Answer: law of diminishing marginal utility

## RYUNOSUKE AKUTAGAWA: ry-oo-no-soo-kay ah-koo-tah-gah-wah

17. Its name is derived from the name of the largest city gate of Kyoto. When the gate fell into bad repair, it became a gathering place for outlaws and vagrants and also a drop off point for unclaimed corpses. When an unemployed servant discovers an old woman stealing hair from the dead to make wigs, he decides to beat and rob the old woman. For 10 points - identify this short story of Ryunosuke Akutagawa that served as the basis for a film by Akira Kurosawa.
Answer: Rashomon
ENCOMIENDA: en-com-ee-end-ah
18. He left Seville for Cuba in 1502 and was granted an encomienda by the governor Nicolás de Ovando. He joined the Dominican order in 1523 and was appointed Bishop of Chiapas in 1544. His work became well known among Spain's enemies in the $18^{\text {th }}$ and $19^{\text {th }}$ centuries, as it recounted many of the atrocities against native Caribbean peoples. For 10 points - identify this Spanish priest whose best known works include A Brief Report on the Destruction of the Indians. Answer: Bartholomé de las Casas
19. Arthur Schlesinger wrote a 1997 essay on this political scientist entitled "A Great Man in a Grim Time". His political philosophy was marked by the belief that the diversity of human values led to a tragedy of choice that could best be remedied by tolerance and compromise. A staunch opponent of Communism and fascism, identify - for 10 points - this Latvian born British political scientist whose works include The Proper Study of Mankind and The Hedgehog and the Fox. Answer: Isaiah Berlin
20. He served as head of intelligence and ambassador to India after having been jailed for suspicion of treason in the late sixties and early seventies. After Ali Mahdi refused to step down as President in June 1991, he launched an offensive that led to intervention by U.N. and U.S. forces, and his militia shot down two U.S. helicopters in 1993. For 10 points - name this late Somali warlord.
Answer: Mohamed Farrah Aideed
21. He was hailed by W.E.B. DuBois for his short story "The Golden-Faced People," but criticized by him for a more famous work. He supposedly discovered Langston Hughes in 1925, and is well known for walking from Illinois to New Mexico in 1912 preaching "The Gospel of Beauty" and distributing his poems in the collection Rhymes to be Traded for Bread. For 10 points - identify this author known for poem including General William Booth Enters Heaven and The Congo. Answer: Vachel Lindsay
22. The second great work of this religious movement was Antoine Arnauld's On Frequent Communion. The bulls Vineam Domini and Unigenitus condemned the movement, but their registration was delayed in France, where the convent of Port Royal was the center of the movement. For 10 points - name this movement that called for the reformation of the Catholic church along the lines of Saint Augustine, whose most famous proponent was Blaise Pascal. Answer: Jansenism

## ADENOHYPOPHYSIS: a-deen-o-hi-po-fie-sis

23. It consists of an adenohypophysis lobe that grows upward from the pharyngeal tissue at the roof of the mouth, an intermediate lobe that has little function in humans, and a posterior that goes downward from the neural tissue. It is continuous with the hypothalamus and is controlled by its releasing factor. For 10 points - name this gland, upon whose secretions all other endocrine glands depend for stimulation.
Answer: pituitary gland
24. Their output included The Young Girl, McSorley's Bar, and Forty Two Kids. Sometimes labeled the "black gang" by critics, members of this group of artists organized the Society of Independent Artists. Ernst Lawson, Everett Shinn, John Sloan, George Luks, Robert Henri, Maurice Pendergast, Arthur Davies, and George Bellows are among those associated with - for 10 points - what group of early $20^{\text {th }}$-century American artists?
Answer: Ash Can School
Prompt on: The Eight
25. They achieved their greatest success in the late 1950s, with the albums From the Hungry $I$, Here We Go Again, Sold Out, and String Along. Originally consisting of Bob Shane, Nick Reynolds, and Dave Guard, by the late 1960s this group was plagued by changes in membership and competition from more progressive folk acts. For 10 points - name this group, famous for their striped shirts as well as their hit versions of songs such as Tom Dooley and The M.T.A. Answer: The Kinston Trio

## THRASYMAHCUS: thras-i-mak-us

26. Some, including Thrasymachus and Hippias, stressed education as a tool for the development of political careers by stressing the teaching of rhetoric. Many boasted that they had the ability to make "the worst appear the better" and they were criticized by Plato and Aristotle for their stress on rhetoric and for their acceptance of money. For 10 points - identify these itinerant philosophers, the most famous of whose was Protagoras.
Answer: sophists

## 2002 Martin Luther King Jr. Memorial Tournament University of Michigan/Duke University Bonuses by South Carolina (Eric Douglass)

1. Name these European cities for 10 points each.
A. (10) Located on By Fjord protecting the harbor of Vågen, this is the second largest city in Norway.
Answer: Bergen
B. (10) Located east of the wine district of Médoc, it is the capital of Aquitaine.

Answer: Bordeaux
C. (10) This city is found on the Lagan River in County Down.

Answer: Belfast
2. Answer the following about laws relating to electricity for 10 points each.
A. (10) This law, which can be deduced from Faraday's Law, states that an induced electromotive force creates a magnetic field that opposes the magnetic field that induced it.
Answer: Lenz's Law
B. (10) Used to find sinusoidal solutions to EM wave equations, it states that del-squared $A+k$ squared $A=0$, where $A$ is the magnetic vector potential.
Answer: Helmholtz equation
C. (10) This effect states that heat flowing across lines of magnetic force induces an emf in a direction perpendicular to the heat and the lines.
Answer: Nernst effect
WANGXIA: wang-zhah
3. Identify the following treaties involving the United States and Asian nations from the $19^{\text {th }}$ century for 10 points each.
A. (10) After sailing into Tokyo Bay, Matthew Perry forced this agreement on the Japanese in 1854.

Answer: Treaty of Kanagawa
B. (10) This 1844 treaty with China normalized Sino-American relations and afforded American ships the same rights as British ones.
Answer: Treaty of Wangxia
C. (10) This 1868 treaty, also with China, allowed for increased Chinese immigration to the U.S., which resulted in a huge influx of laborers.
Answer: Burlingame Treaty
4. Identify the following Russian films for 10 points each.
A. (10) This Sergei Eisenstein film, based on John Reed's book Ten Days That Shook the World, contains a massacre scene around the bridges of St. Petersburg.
Answer: Oktyabr
English: October
B. (10) This Andrei Tarkovsky film portrays the life of an icon painter who is torn between participating in the social upheavals of the $15^{\text {th }}$ century and simply capturing the events he witnesses in his art. Answer: Andrei Rublev
C. (10) Grigorii Chukrai, who died in October 2001, directed this film about a WWII soldier's journey home on leave to fix his mother's roof.
Answer: Ballada o soldate
English: Ballad of a Soldier
5. Identify these terms from Buddhism for 10 points each.
A. (10) This term can refer to either the Buddha before he obtained supreme enlightenment or to any being destined for enlightenment.
Answer: bodhisattva
B. (10) This is the term for the noble truth that suffering is caused by craving and attachment.

Answer: trishna
C. (10) This term describes mankind's bondage in the repeating cycle of death and rebirth.

Answer: samsara
6. Given some lyrics, name these classic songs from the golden age of country music for 10 points each.
A. (10) I shot a man in Reno, just to watch him die.

Answer: Folsom Prison Blues
B. (10) Did you ever see a robin weep when leaves begin to die, that means he's lost the will to live.
Answer: I'm So Lonesome I Could Cry
C. (10) Saint Peter don't you call me 'cause I can't go, I owe my soul to the company sto'.

Answer: Sixteen Tons
7. Identify the George Bernard Shaw plays given descriptions for 10 points each.
A. (10) In this play, the social revolutionary John Tanner is determined to escape love and marriage but is overtaken by Ann Whitefield.
Answer: Man and Superman
B. (10) This play features a young Cambridge graduate named Vivie and her struggle with her discovery that her mother resorted to prostitution to provide a comfortable lifestyle.
Answer: Mrs. Warren's Profession
C. (10) Shaw's notes to this play describe the female title character's cure for baldness, which had been historically preserved by Galen.
Answer: Caesar and Cleopatra
8. For the stated number of points, answer the following about peanut allergies.
A. (10) in 2001, researcher Gideon Lack found that $90 \%$ of the group with peanut allergies had earlier suffered from this irritating skin condition also called dermatitis.
Answer: eczema
B. (15) Lack hypothesized that the treatment of eczema with peanut oil creams primed the body to produce large quantities of this specific immunoglobin, which causes the allergic reaction.
Answer: Immunoglobulin E or IgE
C. (5) Anaphylactic shock caused by excess $\operatorname{lgE}$ is treated by injecting this drug.

Answer: epinephrine
Accept: adrenaline
9. Answer the following questions about the French Revolution and Napoleonic period for 10 points each.
A. (10) Frederick Augustus I was the first king of this Napoleonic puppet state that lasted from 1807-1815.
Answer: Grand Duchy of Warsaw
B. (10) Napoleon negotiated this treaty between Russia and Prussia in 1807 that created the Grand Duchy of Warsaw and recognized the Confederation of the Rhine.
Answer: Treaty of Tilsit
C. (10) Throughout the Revolution, this district of western France and some neighboring territories were the scene of numerous revolts by conservative peasants.
Answer: Vendée
10. Given an plot, identify the opera for ten points each.
A. (10) The title character is a beautiful Venetian street singer who loves Enzo Grimaldo and buys his safety from the police spy Barnaba in exchange for her hand in marriage.
Answer: La Gioconda
B. (10) This opera includes the struggle between the Spanish nobleman Florestan and the prison governor Pizarro.
Answer: Fidelio
C. (10) The title character goes with his army to fight the Mongol chief Kontchak and his brother Prince Galitzky, stirs up a rebellion.
Answer: Prince Igor
11. Identify these following American writers from way back for 10 points each.
A. (10) A diplomat who negotiated treaties with Algiers, Tunis, and Tripoli, he is famous for being a leader of the Hartford Wits and writer of the mock eulogy The Hasty Pudding.
Answer: Joel Barlow
B. (10) This minister wrote the ridiculously popular Puritan ballad Day of Doom.

Answer: Michael Wigglesworth
C. (10) His epic Magnalia Christi Americana intends to show how the history of Massachusetts reflected God's will.
Answer: Cotton Mather
12. Identify these English mathematicians for 10 points each.
A. (10) As a boy, he once skipped school and was later found on a street corner spelling difficult words for money. As an adult, he wrote The Laws of Thought and developed the basis of symbolic logic.
Answer: George Boole
B. (10) This mathematician developed two basic laws of Boolean algebra, one of which states that the complement of the unions of two sets is equal to the intersection of their complements.
Answer: Augustus de Morgan
C. (10) This most prolific of 19th century English mathematicians is known along with Hamilton, for a theorem that states that a matrix is a solution to its own characteristic polynomial.
Answer: Arthur Cayley
13. What is Al Gore up to now? Answer the following about his recent jobs for 10 points each. A. (10) After his stint at Columbia, Gore joined this university's Institute for Children, Families, and Communities.
Answer: University of California at Los Angeles
Accept: UCLA
B. (10) Gore intends to use this university which graduated his father as the flagship institution for an 18 -university consortium on community building.
Answer: Middle Tennessee State University
Answer: MTSU
C. (10) Gore also teaches community building at this other Tennessee institution.

Answer: Fisk University
14. 30-20-10. Identify the philosopher.
(30) His works include Margins of Philosophy, Limited Inc., and The Gift of Death.
(20) In his Of Grammatology, he claims that Western metaphysics has judged writing to be inferior to the spoken word. He argues that the features of writing that supposedly make writing inferior to speech are essential features of both writing and speech.
(10) An Algerian-born French philosopher, he is a pioneer in deconstructionist philosophy.

Answer: Jacques Derrida
15. Given some clues, name the following astronomical terms for 10 points each.
A. (10) One of the coordinates in the equatorial coordinate system, this is the term for the angular distance measured eastward from the vernal equinox along the celestial equator to its intersection with an astronomical body's hour circle.
Answer: right ascension
B. (10) This is the coordinate of the equatorial coordinate system that refers to a celestial body's angular distance north or south along the celestial equator marked along its hour circle.
Answer: declination
C. (10) This term refers to the apparent path of the sun among the stars.

Answer: ecliptic
16. Answer these questions about Joe McCarthy for the stated number of points.
A. (10) McCarthy first entered the Senate after defeating this Wisconsin Republican in the primary in 1946.
Answer: Robert LaFollette Jr.
B. (10) McCarthy's rise to national fame began in 1950 when he made a speech to a women's club in this city in which he claimed to have a list of 205 known communists.

## Answer: Wheeling

C. (5) This legendary hosted the CBS news show See It Now and used it as a forum to undermine popular support for McCarthy.
Answer: Edward Murrow
D. (5) The son of a New York judge, he became McCarthy's assistant after he noticed his work in the Rosenberg trial.
Answer: Roy Cohn
17. Given some clues, identify these works of John Steinbeck for 10 points each.
A. (10) This book discusses the Jim Nolan-led labor revolt of California apple growers.

Answer: In Dubious Battle
B. (10) Characters in this collection of short stories include the marine biologist Doc, grocery storeowner Lee Chong, and Dora, owner of the Bear Flag Restaurant.
Answer: Cannery Row
C. (10) The first Steinbeck novel to be set on the Monterrey Peninsula, it features Danny and a host of Mexican-American characters that lead hedonistic lives despite poverty.
Answer: Tortilla Flat
18. Given a painting, name the artist for 10 points each.
A. (10) Fantastic Figure. Portrait of Abbé de Saint-Non

Answer: Jean Honore Fragonard
B. (10) Embarkation for Cythera

Answer: Jean-Antoine Watteau
C. (10) The Rest on the Flight to Egypt

Answer: François Boucher
19. Identify these Italian literary works from descriptions for 10 points each.
A. (10) The two protagonists, the Reader and the Other Reader, discover partway through this book that it is by the Polish writer Bazakbal and not by Italo Calvino.

## Answer: Se una notte d'inverno un viaggatore

English: If On a Winter's Night a Traveler
B. (10) This play opens on an unfinished stage, and the title personages arrive and demand to act out the drama that was never written for them.
Answer: Sei personaggi in cerca d'autore
English: Six Characters in Search of an Author
C. (10) This work by Gabriela d'Annunzio, inspired by a brief affair with Barbara Leoni, is set in the Abruzzi region of Italy.
Answer: Il trionfo della morte
English: The Triumph of Death
20. Answer these questions about the geography of the Northwest Territories for 10 points each. A. (10) Name the capitol of the Northwest Territories located on Great Slave Lake.

Answer: Yellowknife
B. (10) Great Slave Lake is drained by this river.

Answer: Mackenzie River
C. (10) The largest native group in the Northwest Territories since the separation of Nunavut is this group whose language is closely related to Navajo.
Answer: Dene
21. Identify the following minerals for 10 points each.
A. (10) This mineral is composed of calcium sulfate with two molecules of water. When the water is expelled by heating this mineral, Plaster of Paris is formed.
Answer: gypsum
B. (10) This brittle, metallic element, also a mineral, is the second poorest heat conductor and most diamagnetic of all metallic elements.
Answer: bismuth
C. (10) This orthorhombic crystal's chemical name is aluminum flourosilicate.

Answer: topaz
22. Answer these questions about a German school for art and architecture for the stated number of points.
A. (5) This school held the view that design did not have to reflect society but could help to improve it. Its faculty included Paul Klee, Wassily Kandinsky, and Marcel Breuer.
Answer: Bauhaus
B. (5) This architect founded the Bauhaus in 1919.

Answer: Walter Gropius
C. (10) When the Bauhaus school aroused opposition from Weimar's right wing politicians and academics, it was moved to a friendlier atmosphere in this city of eastern Germany.

## Answer: Dessau

D. (10) Along with Phillip Johnson, he designed the Seagram Building in New York. Before that, he was appointed director of the Bauhaus in 1930.
Answer: Ludwig Mies van der Rohe
23. Answer these questions about these 80s TV shows for 10 points each.
A. (10) A spinoff from a Matlock episode, it featured D.A. J.L. McCabe, assistant D.A. Derek Mitchell and their special investigator fighting crime in Los Angeles.
Answer: Jake and the Fatman
B. (10) This CBS crime drama starred Edward Woodward as Robert McCall as a former agent for an intelligence group known only as the Company.
Answer: The Equalizer
C. (10) This show featured Fred Dryer as the title character, a Los Angeles detective who used strong-arm tactics to fight crime with his partner Dee Dee McCall.
Answer: Hunter
24. Identify these Bush cabinet members from positions for 10 points each.
A. (10) Chief of Staff

Answer: Andrew Card
B. (10) Secretary of Transportation

Answer: Norman Mineta
C. (10) Secretary of Energy

Answer: Spencer Abraham
25. Name these Supreme Court Cases for 15 points each.
A. (15) In this case, the court struck down Amendment 2 to the Colorado State Constitution, an amendment that barred homosexuals from seeking civil rights protection against discrimination. Answer: Romer v. Evans
B. (15) This 1992 case examined a Pennsylvania abortion law that required that a woman wait 24 hours before receiving an abortion so that she could consider information regarding the risks of abortion.
Answer: Planned Parenthood v. Casey
26. Identify these barbarian tribes from descriptions for 10 points each.
A. (5/5) These two tribes were responsible for massive sacks of Rome, one by Alaric in 410 and the other by Gaiseric in 455.
Answer: Visigoths and Vandals
B. (10) Arminius was a member of this tribe that lived in southwestern Germany.

Answer: Cherusci
C. (10) A collection of groups including the Marcomanni, they invaded Iberia with the Alans and Vandals and captured northern Portugal and Galicia.
Answer: Suevi
Accept: Swabians

