

1997 David Scott Hamilton Invitational Tournament

4 Maryland 4

Tossups

1. He was elected to Congress from Tennessee as a Democrat and in 1827 elected governor. When his wife left him, however, he suddenly resigned and later moved to Texas. After Texas declared its independence from Mexico, he commanded the revolutionary troops and defeated the Mexicans at the battle of San Jacinto. FTP, name this first president of the Republic of Texas.

Answer: Sam Houston

2. In 1813 he was engaged by Davy as his assistant at the Royal Institution, and in 1827 he succeeded to Davy's chair of chemistry. He did research in the condensation of gases, the conservation of force, and benzene, which he discovered. In the form of a copper disk rotated between the poles of a permanent magnet, he developed the first dynamo. FTP, name this discoverer of electromagnetic induction.

Answer: Michael Faraday

3. Designed by Emery Roth and Minoru Yamasaki, it consists of seven buildings and a shopping concourse which were completed in 1973. Most prominent are the 110-story, rectangular twin towers rising to 1350 feet, second only to the Sears Tower. FTP, name this building complex in lower Manhattan, the target of a 1993 bombing.

Answer: World Trade Center

4. From 1704 to 1713 he wrote and published The Review single-handedly, which led him to be known as the father of modern journalism. He defended William II in The True-born Englishman, but his 1702 satire The Shortest Way with the Dissenters got him imprisoned at Newgate. FTP, name this author of Roxana, A Journal of the Plague Year, Moll Flanders, and Robinson Crusoe.

Answer: Daniel Defoe

5. He lived for a time with his model Christien, who appears in the drawing Sorrow and Sien Posing. Later, his brother Theo, an art dealer, made it possible for him to meet Gauguin, Toulouse-Lautrec, and Seurat in Paris. These influences caused him to use brighter colors, as seen in The Chair and the Pipe and Sunflowers. FTP, who is this Dutch painter of The Potato Eaters and Starry Night?

Answer: Vincent van Gogh

6. During it, the nuclear membrane disappears, the mitotic spindle begins to form, the DNA condenses into distinct chromosomes consisting of two chromatids held together by a centromere, and a kinetochore forms near the centromere. FTP, what is this first stage of mitosis?

Answer: prophase (prompt on mitosis, I guess)

7. His regard for the youth Antinous was recorded by sculptors and architects, and he put down the insurrection of the Hebrew leader Bar Kokba with great severity. Emperor from 117-138, he chose Antoninus Pius as his successor. FTP, name this successor of Trajan who built a protective wall in Britain.

Answer: Hadrian

8. The daughter of Abihail, her Hebrew name was Hadassah. She became queen of Persia after the previous queen, Vashti, was repudiated by the king. With the help of her cousin Mordecai, she thwarted the courtier Haman, who plotted to massacre Jews. FTP, name this Biblical woman, wife of Ahasuerus, who is celebrated in the feast of Purim.

Answer: Esther

9. On this team, Johnny Grabowski and Pat Collins split time at catcher,

Mark Koenig was the shortstop, Joe Dugan was the third baseman, Bob Meusal and Earle Combs were outfielders, Waite Hoyt and Herb Pennock were starting pitchers, and Tony Lazzeri was the second baseman. FTP, name this team, whose "Murderers' Row" also featured Lou Gehrig and Babe Ruth.

Answer: The 1927 New York Yankees (prompt on New York)

10. Born in Ukraine, he joined the British merchant navy and sailed to many parts of the world, during which time he became a British subject. He portrayed individuals suffering from isolation and moral disintegration in novels such as Allmayer's Polly, Chance, and Under Western Eyes. His real name was Josef Korzeniowsky. =46TP, name this author of The Secret Agent, Nostramo, and Heart of Darkness.

Answer: Joseph Conrad

11. Sent down from Oxford for refusing to conform to the restored Anglican Church, he joined the Quakers in 1666. He was imprisoned for his writings in 1668, and while in the Tower wrote the most popular of his books, No Cross, No Crown. In 1681 he obtained a grant of land in North America, which he named after his father. FTP, name this founder of the Keystone State.

Answer: William Penn

12. Also known as the Moerae, their Roman equivalents were the Parcae, while the Norse equivalents were the Norns. Their names were Clotho, Atropos, and Lachesis. FTP, name this trio of goddesses, who spun, measured, and cut the thread of life.

Answer: Fates

13. He fought on the side of the Guelphs but was banished from Florence and died in Ravenna in 1321. Through his works, including La vita nuova, he established Tuscan as the literary language of Italy. FTP, name this author, whose beloved was Beatrice Portinari, and who wrote The Divine Comedy.

Answer: Dante Alighieri

14. Newton's second law of motion can be rewritten as  $\Delta p = F \Delta t$ , which gives rise to this quantity. Symbolized by capital J, it is equal to the change in momentum during a given time interval. FTP, what is this quantity, which can be calculated as average force times time?

Answer: impulse

15. This city's landmarks include the Ringstrasse, the Schonbrunn palace, St. Peter's Church, and the Hofburg, the imperial residence. Lying on the Danube, it was besieged by the Turks in 1529 and 1683 and was the residence of the Holy Roman Emperors. FTP, name this city, home to such luminaries as Mozart and Freud, the largest city in Austria?

Answer: Vienna or Wien

16. Barrelhouse is the owner of a saloon in Harlem. MacDuffy is the personnel manager at the Liberty Paint Factory. Ras the Exhorter is a black separatist. And Brother Jack is the leader of a religious group known as the Brotherhood. FTP, these characters all influence the unnamed title character in what 1952 Ralph Ellison novel?

Answer: Invisible Man

17. He married a great-granddaughter of Martha Washington and led the U.S. marines who captured John Brown at Harpers Ferry in 1859. In 1861, he resigned from the U.S. Army and succeeded Joseph Johnston in command of the Army of Northern Virginia. FTP, who was this winner of the battle of Chancellorsville, who surrendered to Grant at Appomattox Courthouse?

Answer: Robert E. Lee

18. His collaboration with the German physicist Wilhelm Weber in research on electric and magnetic phenomena led to the invention of the electric

telegraph. The inventor of the heliotrope, he published Theoria motus Corporum celestium and calculated the orbit of Ceres based on only a few observations. FTP, name this discoverer of the method of least squares, the greatest mathematician of the 19th century.

Answer: Carl Friedrich Gauss

19. The cities of Jinja, Kisumu, and Mwanza all lie on this lake which is at an elevation of 3720 feet. Situated between the Ruwenzori Mountains and the Masai Steppe, the largest city on this lake is Kampala. FTP, name this lake=20shared by Tanzania, Uganda, and Kenya, the largest lake in Africa.

Answer: Lake Victoria

20. His most famous creations, including Messie, La Pucelle, and Viotti, are signed with a Maltese cross and the initials A. S. enclosed in a double circle. Apprenticed as a youth to Nicola Amati, he was assisted by his sons Francesco and Omobono, working from his shop in Cremona. FTP, name this great Italian violin maker.

Answer: Antonio Stradivari (accept Stradivarius)

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4 Maryland 4 (Arthur Fleming)

Boni

1. Given a French play, name its author FTP each.

1. The Imaginary Invalid

Answer: Jean Baptiste Poquelin Moliere

2. Cyrano de Bergerac

Answer: Edmond Rostand

3. Le Roi s'amuse

Answer: Victor Hugo

2. Identify the following relating to the 2nd Punic War for the stated number of points.

1. 5 pts: Hannibal took the war to Rome's home turf, where he was effectively opposed by what general whose avoidance of pitched battles has made his name an eponym for delaying tactics.

Answer: Quintus Fabius Maximus Cunctator ("Fabius the Delayer")

2. 10 pts: This 216 BC battle was Hannibal's greatest victory and one of the greatest victories in history.

Answer: Cannae

3. 15 pts: Hannibal was finally defeated by Scipio Africanus Major in 202 BC at this site in Africa.

Answer: Zama

3. For the stated number of points, answer the following concerning the works of Wolfgang Amadeus Mozart.

1. 5 pts: What is the English title of the string serenade Eine Kleine Nachtmusik, also the title of a Stephen Sondheim musical?

Answer: A Little Night Music

2. 10 pts: This is the astronomical nickname of Mozart's 41st and final symphony.

Answer: Jupiter

3. 15 pts: Two Mozart works carry the name of this Salzburg family: one a suite in D major, the other his 35th symphony, also in D major.

Answer: Haffner

4. Answer the following related astronomical questions for the stated number of points.

1. 5 pts: A planet is said to exhibit this type of motion if its direction of rotation is opposite the direction of its revolution about the Sun.

Answer: retrograde rotation

2. For 5 points each, identify the 3 planets that exhibit retrograde rotation.

Answer: Venus, Uranus, Pluto

3. 10 pts: This moon of Neptune is the largest moon in the solar system that has a retrograde orbit.

Answer: Triton

5. Given the highest peak in a U.S. state, name the state FTP each.

1. Mount Hood

Answer: Oregon

2. Mount Katahdin

Answer: Maine

3. Mount Elbert

Answer: Colorado

6. 30-20-10, name the British author.

1. Known for his lectures on Shakespeare, he and Robert Southey planned to found a utopian community in the U.S., but the plan did not materialize.

2. His Biographia Literaria borrows from German idealist philosophers and at times borders on plagiarism. His last great poem was Dejection: An Ode.

3. His most famous poems are Kubla Khan and The Rime of the Ancient Mariner.

Answer: Samuel Taylor Coleridge

7. Name these apostles FTP each.

1. Give the full name of Jesus' betrayer.

Answer: Judas Iscariot

2. The brother of Peter, he is the patron saint of Russia and Scotland. He was martyred on an X-shaped cross.

Answer: Andrew

3. The two apostles of this name were distinguished by the nicknames "the greater" and "the less."

Answer: James

8. Find the areas of the described figures FTP each.

1. A circle with diameter 8 (give 5 seconds)

Answer: 16 pi

2. An equilateral triangle with sides of length 6 (20 seconds)

Answer: 9 sqrt(3) (9 times the square root of 3)

3. A rhombus with diagonals of length 6 and 10 (15 seconds)

Answer: 30

9. Given an act, identify the U.S. President at the time of its passing FTP each.

1. Fugitive Slave Act

Answer: Millard Fillmore

2. Alien and Sedition Acts

Answer: John Adams

3. Taft-Hartley Act

Answer: Harry Truman

10. Given the villain, identify the James Bond film in which he appears FTP each.

1. Kamal Khan

Answer: Octopussy

2. Alec Trevelyan, formerly 006

Answer: GoldenEye

3. Emilio Largo

Answer: Thunderball (reluctantly accept Never Say Never Again)

11. Arrange these Russian czars in order from earliest to latest period of reign, 5 points each or 30 for all 5. They are: Catherine II, Peter I, Alexander II, Nicholas II, Elizabeth

Answer: Peter I, Elizabeth, Catherine II, Alexander II, Nicholas II

12. Name these American novelists from works on a 10-5 basis.

1. 10 pts: The Blithedale Romance

5 pts: The House of the Seven Gables

Answer: Nathaniel Hawthorne

2. 10 pts: The Water-Witch

5 pts: The Last of the Mohicans

Answer: James Fenimore Cooper

3. 10 pts: Dubin's Lives

5 pts: The Natural

Answer: Bernard Malamud

13. Answer the following concerning hydrogen for the stated number of points.

1. 5 pts: Who discovered it in 1766?

Answer: Henry Cavendish

2. For 5 points each, name the three isotopes of hydrogen.

Answer: protium, deuterium, tritium

3. 10 pts: Hydrogen's principal industrial use is in the synthesis of what compound via the Haber process?

Answer: ammonia

14. Given the war, name the treaty which ended it FTP each.

1. War of 1812

Answer: Treaty of Ghent

2. War of the Spanish Succession

Answer: Peace of Utrecht

3. Russo-Japanese War

Answer: Treaty of Portsmouth

15. Name the American painters of the following FTP each.

1. Arrangement in Gray and Black: The Artist's Mother

Answer: James Abbott McNeill Whistler

2. Cow's Skull, Red, White, and Blue

Answer: Georgia O'Keefe

3. Nighthawks

Answer: Edward Hopper

16. FTP each, name the authors of these philosophical works.

1. Nicomachean Ethics

Answer: Aristotle

2. Fear and Trembling

Answer: Soren Kierkegaard

3. The Sense of Beauty

Answer: George Santayana

17. FTP each, name these Watergate people.

1. This North Carolina senator was the chairman of the Senate committee that investigated the break-in.

Answer: Sam Ervin

2. This man, the special prosecutor appointed to investigate the affair, was fired by Nixon when he requested tapes of Oval Office conversations.

Answer: Archibald Cox

3. In televised hearings in 1973, John Dean testified that high-ranking members of the Nixon administration, including this Attorney General, had known about the break-in.

Answer: John Mitchell

18. Name these glands FTP each.

1. Located in the brain, it regulates body temperature, blood pressure, heartbeat, metabolism of fats and carbohydrates, and blood-sugar level.

Answer: hypothalamus

2. Located in the upper chest under the breastbone, it is essential to the development of the body's immune system from the fetal stage. Lymphocytes are processed here.

Answer: thymus

3. Among the hormones produced by its anterior lobe include human growth hormone, ACTH, and thyrotropic hormone. Its posterior lobe produces oxytocin.

Answer: pituitary

19. 30-20-10, name the author from works.

1. The Princess Cassamassima and The Aspern Papers

2. The Golden Bowl and The Wings of the Dove

3. The Portrait of a Lady

Answer: Henry James

20. Did you keep up with the changes in the President's cabinet at the beginning of his second term? For 5 points per correct answer, given the cabinet position, name the previous holder and the current holder of that position.

1. Secretary of State

Answer: Warren Christopher and Madeleine Albright

2. Secretary of Commerce

Answer: Mickey Cantor and William Daley

3. Secretary of Defense

Answer: William Perry and William Cohen