

**2001 Chicago Open**  
**Playoffs Round 1**  
**Tossups by Subash Maddipoti**

1. During this dynasty, roads were classified into five grades and a uniform wheel size was instituted. The movement of the capital to Loyang ended its so-called "Western" period and ushered in the Spring and Autumn era. Its rulers introduced the imperial concept of a "mandate of Heaven," though that disappeared with the time of the "Warring States," which lasted until the establishment of the Ch'in dynasty. FTP, name this dynasty that ruled China from circa 1057 BC to 221 BC.

Answer: Chou or Zhou dynasty

2. Jenny Abdul-Akbar and Polly Cockpurse are just some of the socialites we meet in this novel. Its first two-thirds culminates with a divorce request following the death of John Andrew, who was kicked in the head by a horse. By the end, the central estate of Hetton has passed hands, though not to the protagonist's wife. That wife, Brenda, has remarried to Jock Grant-Menzies, not John Beaver with whom she had an affair. Meanwhile, on the other side of the world, the protagonist is held prisoner by Mr. Todd. FTP, name this novel in which a captive Tony Last reads from Dickens novels, a work by Evelyn Waugh.

Answer: A Handful of Dust

3. Its free-boundary variety has largely been replaced by the zone type for ease in performance and recording of data. Coomassie and Imidazole-Zinc are two of the common stains used in this procedure that is often performed with supporting media like polyacrylamide or Agarose. However, the primary media, on which the movement occurs, is usually a 50% buffer solution. FTP, name this process that measures the migration of charged molecules in an electrical field.

Answer: electrophoresis

4. In the foreground two tiny women in black frocks converse in front of the river that stretches across the entire lower part of the painting. The time is precisely 7 A.M. and the morning sky in the top half highlights the red-roofed buildings on the left and blue-roofed ones on the right. In the right center is a church tower, the Nieuwe [NOO-way] Kirk, which holds the tomb of William of Orange. FTP, name this 1660 painting of the hometown of its artist, Jan Vermeer.

Answer: The View of Delft

5. It concluded with a pursuing division under Thomas Wood chasing the losers. The Confederate plan in this battle had been to drive the Federals west into the swamps of Owl Creek. However, their attack stalled at Sarah Bell's peach orchard in an area known as the "Hornet's Nest." On the second day, with the arrival of reinforcements under Don Carlos Buell and the death of the Confederate leader, A.S. Johnston, the Confederates retreated to Corinth. FTP, name this battle fought at Pittsburgh Landing in April 1862, a victory for U.S. Grant.

Answer: Battle of Shiloh (acc. early Pittsburgh Landing)

6. About halfway through this play we learn of the past impregnation of a housemaid, Joanna. By the conclusion the decision to build a Sailors' Home, in actuality a supervised brothel, has been made. This follows the burning down of the orphanage at the end of Act II, in which Engstrand and Manders were both involved. The protagonist, an artist returned from abroad, learns that the subject of his love, Regina, is actually his half-sister and that his syphilis is inherited from his father. FTP, name this play which ends with Mrs. Alving trying to euthanize her son Oswald, a work by Henrik Ibsen.

Answer: Ghosts

7. It is generally defined as "k times A to the x times B to the y," where k is the namesake constant. The exponents x and y are not necessarily equal to the stoichiometric coefficients in the overall reaction, though they do represent the orders of reaction. FTP, identify this law, which measures in units of moles per liter per second the speed at which a chemical reaction proceeds.

Answer: rate law

8. Its conclusion relates that if either "reason or ignorance are sufficiently extensive in a country, the machinery of Government goes on." Its second part, a response to an "Appeal from the New to the Old Whigs," introduces novel concepts like maternity grants and a graduated income tax. However, the overthrow of the British monarchy is the primary gist of this attack on Edmund Burke and defense of the French Revolution. FTP, name this treatise by Thomas Paine.

Answer: The Rights of Man

9. One of his first on-screen acts is administering a blow to Sergeant Rico's crotch. Among his memorable quotes are "say goodbye to your two best friends, and I don't mean your pals in the Winnebago," "evil will always triumph because good is dumb" and "Raspberry. There's only one man who would dare give me the raspberry." Knocked unconscious after he calls for "ludicrous speed," FTP, name this underling of President Skroob, Rick Moranis' character in *Spaceballs*.

Answer: Lord Dark Helmet

10. After returning to his ancestral home of Mount Hope, he was betrayed and would be beheaded, quartered, and have his head displayed on a pole for 25 years. He ascended to power after the death of his elder brother, Alexander, and was able to maintain peace through such acts as the Taunton measure. However with the murder of informer John Sassamon his people rose up, along with the Nipmuck and Abnaki among others. FTP, name this brother of Wamsutta and son of Massasoit, whose Wampanoags fought against New Englanders in his namesake war of the 1670s.

Answer: King Phillip or Metacomet or Philip of Pokanoket

11. He was the subject of an 1828 blank verse tragedy by Mary Mitford Russell, which enjoyed great success at Drury Lane. In another literary treatment of him, we meet his ambitious wife Nina and the soldier Walther de Montreal. In that novel we also meet his kind sister Irene and her love Adrian Colonna, whose family, along with the Orsinis, plots his death. FTP, name this title character of a Bulwer-Lytton novel and a Wagner opera, the so-called "Last of the Tribunes," a 14<sup>th</sup>-century Italian revolutionary leader.

Answer: Cola di Rienzi or Rienzo

12. A process called junctional diversification ensures that mature types of these cells can only make one type of receptor, which is also reinforced by somatic mutation. Some of them become effector cells but most function as memory cells. Originally named for the Fabricius organ in birds, they are the primary controls in humoral immunity. FTP, name these cells that manufacture antibodies, the single-letter analog to the T cells.

Answer: B cells or B lymphocytes

13. In *Howard's End* E.M. Forster praises this work, claiming it satisfies "all sorts and conditions." The opening is followed by a variation movement with cellos introducing the theme, but most memorable is the central movement in which a pounding fugato begins in the cellos and bases and goes through the rest of the orchestra. The finale starts with a C minor triumph and includes notable martial trombones and the piccolo. Often nicknamed "Fate," FTP, name this 1808 symphony by Beethoven.

Answer: Beethoven's Symphony No. 5 in C Minor (do not need Beethoven after end of the question)

14. Most of the surviving paintings of the *Hamzanama* adventures were painted during this ruler's reign by his greatest court painter, Daswanth. After taking over from the royal regent, Bairam, he would extend his empire as far south as the Godavari River and began promulgating a new religion, the Dini-Ilahi from his magnificent capital at Fatehpur Sikri. FTP, name this man who ruled from 1542 to 1605 as the third Mughal emperor.

Answer: Akbar the Great

15. One of the title character's favorite stories relates to the joke about the Lex Canuleia and Miss Plebs wanting to marry Mr. Patrician. He never got on well with Ralston, who wanted him to retire, but he would go on working until 1918, twice serving as headmaster of Brookfield. The death of his young wife Kathy is among the many memories he recounts during his later years spent as a boarder at Mrs. Wickett's. FTP, name this short novel about a retired school teacher, a work by James Hilton

Answer: Goodbye, Mr. Chips

16. It is actually a triple star, with the brighter of two visual components being a spectroscopic binary with a period of about 30 years and a Cepheid variable with a period of four days. In its present position it replaced Thuban and will at the end of a 26,000-year cycle be replaced by Vega. FTP, name this star in Ursa Minor, which sits at the end of the Little Dipper's handle as the current North Star for Earth.

Answer: Polaris

17. As a child he was placed in a nunnery, where the abbess is his paternal great-aunt. First foreshadowed in the *Perlesvaus*, where his mother is mentioned as Amite or Perevida, he is actually named for the first time in the Vulgate Cyle. His grandfather, Pelles of Corbenic, disguised his mother to ensure his conception. He possesses a shield by Evelake and is the only one who can occupy the Siege Perilous. FTP, name this questing companion of Bors and Percival, the natural son of Lancelot, and founder of the Grail.

Answer: Galahad

18. This work was somewhat injured by a critique by Derek Freeman subtitled "The Making and Unmaking of a Myth." It presents the problem of an American culture that has a false set of categories like "work for adults, play for children's pleasure, and the nuisance of school." It concludes by offering the solution of "education for choice," influenced by the heavy cultural determinism that its author espoused since its 1929 publication. FTP, name this best-known work of Margaret Mead.

Answer: Coming of Age in Samoa

19. After presiding over the "Admirable Congress," he was assassinated by the forces of José María Obando, the enemy of his mentor. After success at the Battle of Pichincha, he joined with his superior to win at Junin, but his greatest victory came at Ayacucho in December of 1824. FTP, name this liberator of Ecuador and Peru, the chief lieutenant of Simon Bolívar, and first elected leader of Bolivia, whose name lives on in one of that nation's capitals.

Answer: Antonio José de Sucre Alcalá (accept either name)

20. The speaker concludes this poem by saying if his lover should "yield'st to him," i.e. sleep with him, then she would waste "Just so much honor," as the title character's "death took life from" her. The speaker argues that what his lover has denied him is so little, like the title character, which sucked the blood of both of them. Yet, his lover becomes "cruel and sudden" when she kills the title character, "purpling" her "nail, in blood of innocence." FTP, name this John Donne poem that employs the title insect as an erotic image.

Answer: "The Flea"

21. After graduating from De Paul, he played for a brief time with the Chicago American Gears, easily leading them in scoring and rebounding. A decade after his retirement, he became the first commissioner of the ABA, but resigned after the league office moved to New York. After his team left the NBL and BAA and finally came to the NBA, he played nine more years, winning a total of six championships. FTP, name this star of the Minneapolis Lakers in the late 40s and early 50s, the first outstanding big man in post World War II basketball.

Answer: George Lawrence Mikan

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Bonuses by Subash Maddipoti

1. Name these Dickens villains, FTP each.

A. This one-legged geezer attempts to blackmail Boffin, the former foreman of John Harmon's father in *Our Mutual Friend*.

Answer: Silas Wegg

B. This architect was the onetime boss of Martin Chuzzlewit, whose treachery is revealed when he tries to coerce Mary Graham into marrying him.

Answer: Samuel Pecksniff

C. This villainous clerk from *David Copperfield* is exposed by Micawber and must serve a life sentence. His name is now identified with any toadying or sycophantic person.

Answer: Uriah Heep

2. Answer these questions about a Germanic tribe:

A. For 5 points, What tribe crossed the English Channel roughly the same time as the Angles and Saxons and is named for the Danish peninsula from which they are believed to have originated?

Answer: Jutes

B. For 10 points, The Jutes helped King Vortigern turn back this Scottish tribe at Thanet in 449.

Answer: Picts

C. For 5 points for one and 15 for both, At Thanet the Jutes were led by these two legendary brothers said to have led the first Germanic invaders to Britain according to the Anglo-Saxon Chronicle.

Answer: Hengist and Horsa

3. Name these things related to the kinetic molecular theory of gases, FTP each:

A. According to the theory, the kinetic energy of a gas is equal to  $1.5 kT$ , where  $T$  is the temperature and  $k$  is this constant.

Answer: Boltzmann constant

B. One way of defining an average speed of a gas is to determine the average kinetic energy per particle and then calculate the speed to which it corresponds, resulting in this quantity represented as  $u_{sub rms}$ .

Answer: root-mean-square speed

C. The distribution of speeds of gas particles at a given temperature can be shown by this curve, named after its two discoverers.

Answer: Maxwell-Boltzmann distribution curve

4. Name these people related to the Minotaur:

A. For 10 points, The Minotaur was the offspring of this queen who engaged in sexual intercourse with the Cretan Bull.

Answer: Pasiphae

B. For 5 points, Pasiphae was the queen of this Cretan king, who commissioned the building of the labyrinth in which the Minotaur was imprisoned.

Answer: Minos

C. For 15 points, When this son of Minos was killed by Athenians, Minos retaliated by demanding that seven Athenian youths and seven maidens should be sacrificed to the Minotaur every nine years.

Answer: Androgeos

5. Name these early American writers, for the stated number of points.

A. For 5 points, This African-American woman wrote poems dedicated to King George III and George Washington among others.

Answer: Phillis Wheatley

B. For 10 points, The harsh treatment he received during his imprisonment by the redcoats inspired his *The British Prison-Ship*. Famous individual poems include "The Wild Honeysuckle" and "The Indian Burying Ground."

Answer: Philip Morin Freneau

C. For 15 points, This Yankee collaborated with Freneau on some stuff, but he's best known for his satirical novel *Modern Chivalry*.

Answer: Hugh Henry Brackenridge.

6. Answer the following about the English Civil War, FTP each.

A. As commander of the Parliamentary forces during the war, he joined with Cromwell to win decisive victories at Marston Moor and Naseby.

Answer: Thomas Fairfax

B. Fairfax and Cromwell defeated this nephew of Charles I at both Marston Moor and Naseby. He was known as being of the Palatinate and the Rhine.

Answer: Prince Rupert

C. Charles' fate was sealed when this parliamentarian colonel prevented many Presbyterian and Royalist members of Parliament from sitting on December 6, 1648, leaving only the radicals, or Rump of the Parliament.

Answer: Thomas Pride (the event was known as Pride's Purge)

7. Name these things regarding some structures within the human body, FTP each:

A. The long types of them possess dilated ends called epiphyses and a fibrous sheath surrounding them called a periosteum.

Answer: bones

B. Each osteon, or structural unit of the bony matrix, consists of this central microscopic channel.

Answer: Haversian canal

C. Interspersed within the bony matrix are these spaces, which house mature bone cells, or osteocytes.

Answer: lacunae

8. Name these Mozart operas:

A. For 15 points, First performed in the private gardens of Anton Mesmer, this opera was written by Wolfgang when he was twelve. It concerns a love triangle between Colas and the two title characters.

Answer: Bastien und Bastienne or Bastien and Bastienne

B. For 10 points, Set in 16<sup>th</sup>-century Turkey, its main characters are the sopranos Constanze and Blonde and the tenors Belmonte and Pedrillo.

Answer: The Abduction from the Seraglio or Die Entführung aus dem Serail

C. For 5 points, This four act opera buffa concerns the valet of Count Almaviva and his escapades in his quest to wed Susanna.

Answer: The Marriage of Figaro or Le nozze di Figaro

9. Identify these international golfers, FTP each.

A. This Fiji resident of Indian descent has won two majors, the 2000 Masters and the 1998 PGA.

Answer: Vijay Singh

B. Though he has never won a major this irritable, portly, curly-haired Scotsman won the Order of Merit for a record six years in a row.

Answer: Colin Montgomerie

C. This left-handed Canadian had his first high profile victory when he held off Tiger Woods at the 2000 American Express World Golf Championship.

Answer: Mike Weir

10. Identify these 20<sup>th</sup> century Russian writers, FTP each:

A. This man wrote the novels *The Village* and *Dry Valley* but might be best known for his short story "The Gentleman from San Francisco."

Answer: Ivan Bunin

B. The title of this man's best known work, *The Quiet Don*, refers to a river in the Cossack region of Russia.

Answer: Mikhail Sholokhov

C. His short stories worth reading include "Liompa," but his best work and best-known is the 1927 novel *Envy*.

Answer: Yuri Olesha

11. Name these men you might encounter in a biography of Charlemagne, FTP each:

A. Charlemagne had a good relationship with this 8<sup>th</sup>-century Abbasid caliph, who gave the good Frank a gift of white elephants. You might know him better from the tales surrounding his magnificent court.

Answer: Harun al-Rashid

B. If you've read some of this man's *Vita Karoli Magni*, then you might deduce that this Frankish court historian inevitably had his nose up Charlemagne's ass most of the time.

Answer: Einhard or Eginhard

C. Charlie was anointed king along with his father, Pippin, and his uncle, Carloman, by this pope on a 754 visit to the Frankish kingdom.

Answer: Stephen II

12. Name these properties of fluids and solids:

A. For 5 points, In this type of flow the fluid travels smoothly or in regular paths.

Answer: laminar

B. For 10 points, This property of a solid is defined as the elongation per unit length.

Answer: strain

C. For 15 points, This type of modulus relates the change in pressure acting on the surfaces of a solid or fluid to the change in volume that is produced.

Answer: bulk modulus

13. Name these Diego Velazquez paintings, FTP each.

A. Velazquez's portrait of this pope was gruesomely interpreted by Francis Bacon.

Answer: Innocent X

B. To convince Pope Innocent X to grant him a commission, Velazquez offered up this portrait of his go-fer and traveling companion, a black bravo.

Answer: Juan de Pareja

C. The most famous of Velazquez's royal equestrian portraits is this circa 1635 canvas depicting the concession of the Dutch to a Spanish army at the titular town.

Answer: *The Surrender of Breda or The Surrender at Breda*

14. It is a name given to any of several orders who take a vow of poverty, including the Augustinians, Carmelites, and Trinitarians.

A. For 10 points, Give this word, which itself is a synonym for a pauper.

Answer: mendicant

B. For 5 points each, The two most famous mendicant orders are these ones, often referred to as the black and brown friars.

Answer: Dominicans and Franciscans

C. For 10 points, Other than the aforementioned ones and the knightly Teutonic Order and Hospitallers of St. John of God, name any of the remaining three mendicant orders.

Answer: Minims or Servites or Mercedarians



15. Identify these works with similarly named characters, FTP each:

A. Valentine and Proteus are the title characters of this comedy.

Answer: The Two Gentleman of Verona

B. Before his death from wounds received in a duel Valentin de Bellegarde reveals a dark secret about his family to the protagonist of this Henry James novel.

Answer: The American

C. Raphael de Valentin is the doomed hero of this novel, which includes a prolonged description of Taillefer's orgy as well as a depiction of the author's ideal woman in the form of Pauline.

Answer: The Wild Ass's Skin or La Peau de Chagrin

16. Name these ancient Egyptian rulers, FTP each.

A. He built his temple and palace at Madinat Habu, which commemorated his defeat of invasions from the Libyans and the Sea Peoples. He is the only notable ruler of the 20<sup>th</sup> dynasty.

Answer: Ramses III

B. This monarch's reign was marked by the exodus of the Jews from Egypt and a devastating loss to the Hittites at Kadesh.

Answer: Ramses II or Ramses the Great

C. This second king of the Third Dynasty is primarily known for commissioning the building of the first step-pyramid.

Answer: Zoser or Djoser

17. Answer these questions about sunspots, FTP each:

A. The sunspot cycle from low intensity to high intensity and a return to low averages how many years per cycle within one year?

Answer: 11 years (accept 10 to 12)

B. The sunspot cycle occurs in exact antithesis to the cycle of what phenomena, which are characterized by rapidly shifting patches and dancing columns of various hues?

Answer: aurora polaris or aurora borealis or aurora australis

C. A fascinating discovery was made in 1866 by what British astronomer, who discovered that the number of sunspots is related to the rainfall on earth?

Answer: Joseph Norman Lockey

18. Name these related people, FTP each.

A. This French finance minister advocated the calling of the Estates-General to effect reform. His dismissal by Louis XVI precipitated the storming of the Bastille.

Answer: Jacques Necker [ne-KAIR]

B. Necker was the father of this intellectual who introduced romanticism to French literature in *On Germany* and led several famous salons.

Answer: Anne Louise Germaine de Stael [style]

C. Madame de Stael's mother was Suzanne Curchod, who was previously engaged to this Brit.

Answer: Edward Gibbon

19. Encompassing parts of Georgia, Armenia, Azerbaijan, and southwest Russia, this mountain range is considered a boundary between Europe and Asia. FTP each—

A. Name this mountain range of which Mt. Elbrus is a member.

Answer: Caucasus Mountains

B. The primary traffic through the Caucasus is on the road between Vladikavkaz, Russia and this capital city of Georgia.

Answer: T'bilisi

C. Another important city in the Caucasus region is this Russian health resort on the Black Sea. It is renowned for its mineral springs and sanatoriums.

Answer: Sochi

20. Name these characters from the *Aeneid*, FTP each:

A. This king of the Rutulians is betrothed to Lavinia until Aeneas comes along. His single combat with Aeneas is the focus of the twelfth and final book.

Answer: Turnus

B. He is Aeneas' son. Cupid takes his form in Book I to infatuate Dido with Aeneas.

Answer: Anchises

C. After sailing away from Carthage in Book V, Aeneas and his fleet come to Eryx, where this Trojan friend of his rules.

Answer: Acestes