

TOSSUPS – FINALS

DENNIS HASKINS OPEN HS QUIZBOWL 2001 – UTC

1. It works by blocking the estrogen receptors that stimulate cancer cell growth. The equivalent for females of the “androgen blockers” prescribed for males with prostate cancer, it is often used in concert with raloxifene. FTP, name this most commonly prescribed anti-estrogenic drug, used in hormone therapy to treat breast cancer.

Answer: **tamoxifen**

2. They worship a rain god called Chac, a sun god called Kinich Ahau, a moon goddess called Ix Chel, and a corn god whose name is uncertain. Their major cities included Uaxactun [wah-ZAC-toon], Chichen Itza, and Tikal. Peaking around A.D. 250 but flourishing into the mid-1500's, they covered an area from Quintana Roo and Yucatan in Mexico to parts of Honduras and El Salvador. FTP name this American civilization famed for its accurate calendar and terraced pyramids.

Answer: **Maya** or Mayans

3. It was brought to the level of great art by the genius of two dramatists, Kanami Kiyotsugu and his son Zeami Motokiyo. Patronized by the Ashikaga shogunate after a shogun saw the boy Zeami perform in 1374, it includes solemn dances intended to suggest the deepest emotions of the principal character and is written in elevated poetic language. FTP, name this Japanese dramatic form.

Answer: **No**

4. It is concerned with the definition of knowledge and related concepts, the sources and criteria of knowledge, the kinds of knowledge possible and the degree to which each is certain, and the exact relation between the one who knows and the object known. FTP, what is the branch of philosophy that addresses the philosophical problems surrounding the theory of knowledge?

Answer: **epistemology**

5. He is by trade a lawyer, which certainly helps him in understanding baseball behind the scenes. He was the first big league manager to make extensive use of computers. Once the majors' youngest manager, his first managerial stint was with the White Sox. FTP name this manager, who made his reputation leading the A's to the 1989 world championship but who now manages the Cardinals.

Answer: Tony **LaRussa**

6. Around 1440, a papal secretary by the name of Valla demonstrated that it had been a forgery. Supposed to have been granted in the mid-8th century, the Catholic church used it to bolster papal claims of power over central Italy. FTP, what is this grant of land supposedly made to the papacy by the Byzantine Emperor for whom it is named?

Answer: **Donation of Constantine**

7. The products of this substance's reaction with gold are water, nitric oxide, and aqueous AgCl_4^- . It was discovered by alchemists and used to dissolve the noble metals, which are relatively inert, and still finds use today dissolving gold and platinum. It is made by mixing 3 parts hydrochloric acid to 1 part nitric acid. For ten points, name this substance, whose name is Latin for “royal water.”

Answer: **aqua regia**

8. There were four, and they were aimed mainly at Irish immigrants, French refugees, and newspaper editors. One provided for the arrest and deportation of subjects of foreign powers at war with the United States, and another increased the naturalization period from 5 to 14 years. FTP name the Federalist legislation that was denounced in the Virginia and Kentucky Resolutions.

Answer: **Alien** and **Sedition** Acts (accept reasonable equivalents, and don't be picky about order)

9. He entered the Greek diplomatic service in 1926, filling posts in Athens, London, and Korçë, Albania. As ambassador to Britain from 1957 to 1962, he helped negotiate the independence of Cyprus. While pursuing his diplomatic career, he was also active as a poet. For ten points, name this winner of the Nobel Prize in literature, known for *The Turning Point*, *Mythistorema*, and *The King of Asine*.

Answer: George **Seferis**

10. He was a bundle of contradictions – a materialist afraid of black cats and walking under ladders, a Marxist obsessed with religious and sexual imagery, an engineer fascinated by art, and a bourgeois Latvian who joined the Russian Revolution. He was forced to abandon and recant *Bezhin Meadow* and had the Molotov-Ribbentrop Agreements render impolitic the release of his anti-German *Aleksandr Nevsky*. He only completed seven feature films in a 20-year career but reshaped the art form with his use of intellectual montage. FTP name the director of *The Battleship Potemkin*.

Answer: Sergei **Eisenstein**

11. Math question. I live in a house with 10 people, all of whom are inveterate gossipers – each one of them will tell a rumor they hear to exactly one person (excluding himself and the person he heard it from). FTP, assuming that the chances of telling the rumor to the remaining members of the house are otherwise equal, what is the probability that the rumor can be told 5 times without being told to someone who has already heard it? (READER: allow 10 seconds before calling time)

Answer: 21/32 (accept: 105/256, depending on whether or not you choose to count the first person)

12. This two word name refers to three places. One is an island group 1200 miles east of the Falklands. The second is a portion of the native land of Eduard Shevardnadze, remarkable for its sizeable Ossetian minority. The third is anything located between Macon and the Florida line. Curiously, sodomy is illegal in all three. FTP what's the common two-word name referring to three places where the men are men, the women are women, and the sheep are NOT nervous?

Answer: **South Georgia**

13. This model assumes that lone pairs occupy more space than do bonding pairs, that double bonds occupy more space than single bonds, and that bonding pairs and lone pairs position themselves to minimize interference. FTP, name this theory of electron organization, which useful for determining molecular geometry.

Answer: **valence shell electron pair repulsion** or VSEPR or “vesper”

14. He succeeded his father Selim I in 1520, and was able to conquer Belgrade and Rhodes within a year. He forged a treaty with Francis I against Holy Roman Emperor Charles V. Under him, the Ottoman Empire achieved its zenith in terms of size and culture. FTP, name this sultan given the sobriquet “the Magnificent.”

Answer: **Suleiman I**, the Magnificent

15. This 1983 winner of the American Book Award sketches the lives of Mattie Michael, Etta Johnson, Ciel Turner, Kiswana Browne, Cara Lee, and Theresa and Lorraine, all African-Americans who live in the same run-down housing project. FTP, name this forerunner to *Linden Hills*, by Gloria Naylor.

Answer: **The Women of Brewster Place**

16. This French artist is best known for his iconoclastic and unconventional works. After his early success, he spent the rest of his life working on a complex project, *Bride Stripped Bare by her Suitors*. He also created several “ready-mades,” one being a urinal signed R. Mutt, and drew a mustache on a copy of the Mona Lisa. FTP, name this painter of *Nude Descending a Staircase, No. 2*.

Answer: Marcel **Duchamp**

17. The Director's Guild of America recently honored this movie as "best film" for 2000. Nominated in ten Oscar categories, including Best Score, this film about the search for a stolen sword was directed by Ang Lee and stars Michelle Yeoh and Zhang Ziyi. FTP, name this martial arts film and winner of the 2000 Oscar for Best Foreign Language Film.

Answer: *Crouching Tiger, Hidden Dragon*

18. Once Hitler's third-in-command, this man flew his plane across the Channel and crashed in Scotland during an unknown mission in 1941. After being sentenced to life in prison at the Nuremburg Trials, he died at Spandau Prison in 1987 at age 92. Name this puzzling character for ten points.

Answer: Rudolph **Hess**

19. He studied the effects of phototropism on the coleoptiles of canary grass with his son Francis in 1884. A student of biologist John Henslow and geologist Adam Sedgewick, this combination of interests made him uniquely qualified for an 1831 voyage across the Pacific. FTP, who accompanied Robert FitzRoy on the HMS *Beagle*, and used his experiences to formulate a theory of evolution?

Answer: Charles **Darwin**

20. Sir John Floyer, an esteemed London physician, advised this author's parents to take him before Queen Anne and be "touched" as a cure for scrofula. The author wore the gold "touchpiece" from the ceremony for the rest of his life, an anecdote related in a biography by a younger friend, James Boswell. The editor of *The Gentleman's Magazine* and author of the controversial *Account of the Life of Mr. Richard Savage*, his only work of long fictional work is *Rasselas*. FTP, who is best known for his *Dictionary of the English Language*?

Answer: Samuel **Johnson**

21. It contains an active ingredient, thujone, that's classified as a poison by the U.S. government. Researchers at Berkeley found that thujone blocks the inhibitory neurotransmitter GABA. This offsets the effects of its typically 148 proof alcohol content, providing greater clarity than comparable drinks, but can also cause hallucinations, convulsions and even death. That's why only a few countries still allow the distillation of the beverage the French call "the green fairy." FTP name this addictive liqueur, so bitter it's usually diluted with cold water poured over sugar, whose kick comes from dried wormwood.

Answer: **absinthe** [Accept **vermouth** before the phrase "148 proof," as it contains trace amounts of thujone but has a much lower alcohol content.]

22. Ice accumulations prevent navigation on the upper river from December to April, but it is navigable by large oceangoing vessels as far upstream as Montreal, and somewhat smaller ships can continue to Lake Ontario. For ten points, what river is the chief outlet of the Great Lakes?

Answer: **Saint Lawrence** River

23. After this process is completed, one of three things may need to be done before the end product is ready for use: it may be cleaved by a proteolytic enzyme, glycosylated, or have its amino acids rearranged. Its beginning is cued by the codon for methionine, ATG, and then tRNA elongates the protein. FTP, name the second stage in protein synthesis.

Answer: **translation**

24. Among biologists and psychologists, it refers to the view that the human mind is a nonmaterial entity that nevertheless interacts with the body via the brain and nervous system. As a philosophical theory, it is the doctrine that all objects in the world have an inner or psychological being. From the Latin word for "soul," FTP, what term is often used to refer to "pagan" nature worship?

Answer: **animism**

BONI – FINALS

DENNIS HASKINS OPEN HS QUIZBOWL 2001 – UTC

1. They met in 1787 to figure out how to run a country made up of 13 sometimes contentious states.
FTSNOP answer the following about the Constitutional Convention:

1. (5 pts.) Besides Washington, this was the only future President among the signers.

Answer: James **Madison**

2. (5 pts.) Talk about contentious -- this state sent no delegates because it wanted no Federal interference in its affairs and took till 1790 to ratify the Constitution.

Answer: **Rhode Island**

3. (10 pts.) As a member of the 2nd Continental Congress this Pennsylvanian had opposed and refused to sign the Declaration of Independence. This time, as a delegate from Delaware, he had to leave but asked fellow delegate George Read to sign for him just to make his support clear.

Answer: **John Dickinson**

4. (10 pts.) Besides Dickinson, 15 of the 55 delegates refused to sign the Constitution. Perhaps the best known is this Virginian, a forceful advocate of the Bill of Rights and namesake of a university in Virginia.

Answer: George **Mason**

2. The B vitamins are, well, weird. Name these examples FTPE:

1. Long known to combat pellagra, this vitamin (also called B5) is now used as a remedy for schizophrenia

Answer: **niacin** or nicotinic acid

2. Designated vitamin B17, this compound found in almond and apricot seeds is toxic in sufficient doses but is a controversial treatment for cancer not available in the U.S.

Answer: **Laetril** or amygdalin

3. This component of many sunblocks is designated vitamin B(x) – wonder who decides when it gets a number?

Answer: **PABA** or para-aminobenzoic acid

3. It's hard to find a better-looking failure than a model acting in a movie. FTP each, name these models from roles:

The main role in *Sirens* and Blanche Ingram in Zeffirelli's *Jane Eyre*

Answer: Elle **Macpherson**

She starred opposite William Baldwin in the 1995 disaster *Fair Game*.

Answer: Cindy **Crawford**

She was Mystique in the *X-Men* movie.

Answer: Rebecca **Romijn-Stamos** or just Rebecca **Romijn**, John Stamos is worthless anyways

4. Name the American author from works, 30-20-10.

30 - *The Ground We Stand On* and *Three Soldiers*

20 - *District of Columbia* and *Manhattan Transfer*

10 - *The Big Money*, which is part of the trilogy *U.S.A.*

Answer: John **Dos Passos**

5. Answer these questions about the geography of France, 5-5-10-10.

5 – This river flows through most major cities in northern France before emptying into the English Channel.

Answer: **Rhine** River

10 – France's longest river, it empties into the Bay of Biscay.

Answer: **Loire** River

5 – This mountain is the second-highest peak in Europe.

Answer: Mont **Blanc**

10 – This gap in the Alps is just east of Mont Blanc, and is named for a monastery located along the pass.

Answer: (Great) **Saint Bernard Pass**

6. Given its definition, name the computer term for ten points each.

It is a group of records or a collection of transactions (such as a group of files) that may be processed together.

Answer: **batch**

It is an arrangement of data in which each item may be identified by a key or subscript so that a computer program can be designed to examine and extract specific data.

Answer: **array**

It is the direct retrieval of data from a location in the computer memory without the need for sorting through sequential information.

Answer: **random access**

7. FTP each, answer these questions relating to Chinese history.

Confucian thought posited that this was the universal principle of all matter, based on the source and union of the two parts of the universe, *yin* and *yang*.

Answer: **Tai Ji** or **T'ai Chi**

This is the book in which the concept of Tai Ji is first mentioned, and its name translates as *Book of Changes*.

Answer: the **Yijing** (or **I Ching**)

This is the dynasty that ruled China when the *Yijing* was written.

Answer: **Zhou** or **Chou**

8. The “Angry Young Men” aren’t just Rasheed Wallace and Bonzi Wells, they were a loosely associated group of authors! Answer these questions about ‘em FTP each.

The “Angry Young Men” was a name given to writers in the 1950s from this nation.

Answer: England or Great Britain (be lenient here)

The movement got its name from this author’s play *Look Back in Anger*.

Answer: John **Osborne**

The novelist of *The Old Devils* and *Lucky Jim*, his son is a famous author in his own right.

Answer: Kingsley **Amis**

9. FTP each, name the geological era or period.

This is the era just before the rise of dinosaurs, and included the rise of land-dwelling populations of life from free-floating sea-dwelling life forms.

Answer: **Paleozoic** Era

This is the current era that started around 65 million years ago, and follows the destruction of the dinosaurs and the rise of mammals.

Answer: **Cenozoic** Era

This is the most current period, a subdivision of the Cenozoic Era, and has as a subdivision the Pleistocene Epoch.

Answer: **Quaternary** Period

10. Answer these questions about a composer FTP each.

Who composed the *German Requiem* and the *Academic Festival Overture* as part of his 19th century classical revival?

Answer: Johannes **Brahms**

Brahms’ *Sonata in G Major* is usually known by this name, because the repeated sixteenth notes repeated in the third movement are suggestive of bad weather.

Answer: the *Rain Sonata*

Brahms wrote four “books” of these dances, based on folk tunes taught to him by violinist Eduard Remenyi.

Answer: **Hungarian Dances**

11. Irony in the lives of professional sports stars is so wonderful. For 10 points each:
He was one of hockey's toughest defensemen, but he's now best remembered for a high stick that earned him a full year suspension in 2000. He retired from hockey's IHL Grand Rapids Griffins on March 13th after failing to get back to the NHL.

Answer: Marty **McSorley**

This enforcer for the, who was laid out cold by McSorley's frightening cheap shot and missed twenty games, is himself scheduled for a trial in which he is accused of attacking a visitor at his townhouse.

Answer: Donald **Brashear**

For another 5 pts. each, name the teams the respective goons were with at the time of the famed cheap shot.

Answer: Los Angeles Kings and Vancouver Canucks; accept either city or nickname, in either order

12. Name philosophical works from titles in their original language FTP, or for five if you need the author.

10 - *Sein und Zeit*

5 - Martin Heidegger

Answer: *Being and Time*

10 - *L'Etre et le neant*

5 - Jean-Paul Sartre

Answer: *Being and Nothingness*

10 - *Jenseits von Gut und Böse*

5 - Friedrich Nietzsche

Answer: *Beyond Good and Evil*

13. Identify the war by the battle, 5-10-15:

Battle of the Somme

ANSWER: **World War I**

Battle of Pork Chop Hill

ANSWER: The **Korean War**

Battle of the Alma

ANSWER: The **Crimean War**

14. Answer these questions about English poetry from clues FTP each.

Sir John Suckling and Edmund Waller were among this politically-minded group of 17th century wordsmiths.

Answer: **Cavalier** poets

Which Cavalier poet wrote: "I could not love thee, dear, so much / Loved I not honor more"?

Answer: Richard **Lovelace**

This Cavalier poet wrote "He that loves a rosy cheek, / Or a coral lip admires, / Or from star-like eyes doth seek / Fuel to maintain his fires, / As old Time makes these decay, / So his flames must waste away" in his poem "Disdain Returned."

Answer: Thomas **Carew** (pronounced "Carey" as in Jim but also accept "Carew" as in Rod)

15. Earn your "A" in chemistry by naming these terms, FTP each.

It is the existence of an element in two or more forms, such as diatomic oxygen and ozone.

Answer: **allotropism** or allotrope or allotropy

It is equal to -273.15 degrees Celsius.

Answer: **absolute zero** (prompt on "Zero Kelvin" or other temperature scales)

This describes a change that occurs without heat transfer between a system and its surroundings.

Answer: **adiabatic**

16. FTP each, answer these related questions.

This French philosopher wrote about the struggle to use rational devices to control the emotions in *Treatise on Passion*.

Answer: René **Descartes**

This play dramatized the experience in *Treatise on Passion*, in the form of a drama about a medieval Spanish hero.

Answer: *Le Cid*

This playwright, an optimist like Descartes, wrote *Le Cid*, rejecting the unity of action, time, and place previously required in Aristotle's classic rules.

Answer: Pierre **Corneille**

17. FTP each, given the quantity that it refers to, name the SI unit from physics.

Potential difference in electromotive force

Answer: **volt**

Magnetic flux density

Answer: **tesla**

For another 10 pts., what quantity is measured in joules per Kelvin?

Answer: **entropy**

18. Identify these committees from US history FTP each.

A North Dakota senator headed this committee, which investigated profiteering in the munitions industry during World War I.

Answer: (Gerald P.) **Nye Committee**

First known as the Dies Committee, for its Texas head, this House committee investigated such people as the "Hollywood Ten" and Alger **Hiss**.

Answer: House Committee on Un-American Activities

Several Salt Lake City officials were convicted of bribery for their (successful) attempts to influence this committee in 1999.

Answer: **International Olympic Committee** (prompt on IOC)

19. Answer the following questions concerning mythology for the stated number of points.

Mentioned in Dryden's "To the Memory of Mr. Oldham", during a footrace, FTP, who fell in a pool of blood, as a result of which his friend Euryalus won?

Answer: **Nisus**

This old couple was an excellent host for the disguised Zeus and Mercury. As a reward they were turned into intertwined trees. FTP each, name them.

Answer: **Baucis and Philemon**

20. Name the Nobel winners from 2000 for FTP each.

Literature, a Chinese novelist living in France.

ANSWER: **Gao Xingjian**

Peace, from only one of the sides of a half century old national conflict.

ANSWER: **Kim Dae-jung**

Chemistry, any one of the three for work in plastics and electricity.

ANSWER: Alan J. **Heeger**, Alan G. **Macdiarmid**, or Hideki **Shirakawa**

21. Identify these parts of the Arabian peninsula FTPE.

1. This small thumb-shaped nation juts out into the Persian Gulf. Its capital, Doha, has been selected as home for the next meeting of the World Trade Organization--apparently the authoritarian government there has promised that there will be "no disruptions permitted" like those that upset the WTO's last meeting in Seattle. Hotel accommodations will be a problem.

Answer: **Qatar**

2. This sultanate includes the detached enclave of Musandam overlooking the Persian Gulf, but the main area overlooks the Arabian Sea instead. Under pressure from oil interests, borders with Yemen and Saudi Arabia were finally delineated in 1995, but its border with the UAE remains undefined.

Answer: **Oman**

3. This arid highland region along the Red Sea is a province of Saudi Arabia. In 1916 a revolt led by Hussein ibn Ali toppled Ottoman rule, but it came under the rule of the sultan of Nejd within a decade. It includes the cities of Mecca and Medina and has given its name to a Shrine temple in South Carolina.

Answer: **Hejaz** or al-Hijaz

22. Identify these 19th century French sculptors, FTP each.

His fine sculptures included many of the Paris dancers whom he also painted in the Impressionist style.

Answer: Edgar **Degas**

His sculptures include *The Age of Bronze* and *The Thinker*

Answer: Auguste **Rodin**

This student of Rodin was famous for her intense depictions of the human body as seen in *Rodin's Hands*, but is also famous for the 1989 film about her life and work.

Answer: Camille **Claudel**.