

Second Harvard T Party

ROUND 11

Questions by Dartmouth Assault and Yale

Pack Editor: Samuel Klein

TOSSUPS

1. Everyone knows that Roger Bannister was the first man to run a four minute mile. FAQTP, though, can you name the first man to triple jump over 60 feet? Hint: He shares his name with the author of Sinners in the Hands of an Angry God.

ANSWER: Jonathan _EDWARDS_

2. It is never found in pure form on earth, but is a common component of meteorites. This element is found in combination with, and grouped with, osmium and platinum. FTP, identify this rare metal, whose name, due to its colored salts, derives from the Greek for rainbow and whose atomic number is 77.

A: IRIDIUM

3. He graduated from Yale at the age of 18, and taught school until the age of 21. Unfortunately, he was forced into early retirement for spying on the British Army. FTP, name this man who had only one life to give for his country.

ANSWER: Nathan HALE

4. This botanist discovered that genes are mobile within a plant cell's chromosomes, but she is best known for winning a Nobel Prize in 1983 for this work, especially with corn and maize. FTP, name this American woman.

Ans: Barbara MC CLINTOCK

5. Ever the idealist, he resigned from the czar's guard at age 19 to pursue a "meaningful endeavor" - music. His early works included "The Outcast" and "The Orphan Girl." He then turned to opera, starting but never finishing an adaptation of Gogol's "The Marriage." His best-known work was originally rejected for its radical breaks with operatic convention. FTP identify this composer of "Night On Bald Mountain," "Pictures at an Exhibition," and the classic "Boris Gudunov."

A: Modest MUSSORGSKY

6. He has become a legend after his suicide following an unsuccessful attempt to foment rebellion among the ranks of his country's Self Defense Force. His works are known for eroticism and conservative politics, but his obsession was with the proper way to die. Many of his characters killed themselves as he did : by hara-kiri. Identify this 20-th Century Japanese author, writer of "Temple Of The Golden Pavillion."

A: Yukio MISHIMA

7. Originally its main rival was Denmark but the Netherlands and Great Britain were more responsible for its ultimate decline. At one time or another, some 200 cities belonged. Some of the important ones included Lubeck, Bremen, and Hamburg. FTP name this medieval union of cities, whose name derives from the German for "association" or "hansa."

A: HANSEATIC LEAGUE

8. Invented by John Bardeen, Walter H. Brattain, and William Shockley of AT&T Bell Laboratories in 1948, the n-p-n and p-n-p varieties are often dubbed BJTs, while the p-channel and n-channel varieties are either JFETs, MOSFETs, or IGFETs. FTP name this amplifying device of integrated circuits whose function is dependent upon the opposed motion of holes and electrons through a triplet of semiconductor layers.

A: TRANSISTOR

9. Boy meets girl. Girl nearly gets boy in trouble twice. Boy breaks into the military's computer system with the password Joshua, gets arrested for espionage, and, thanks to a game of tic-tac-toe, narrowly saves the world from "Global Thermonuclear War." This is essentially the plot of, FTP, what 1984 film starring Matthew Broderick?

A: "WARGAMES"

10. The inspiration of Brahms's melancholy 5th Piano Quartet, this novella garnered its young author an international reputation with its 1774 publication. Its protagonist's clothing even became the fashion at European courts while a rash of romanticized suicides was recorded among German youths. FTP name this Goethe novel, the first of the epistolary genre, of a romantic young man with a passion for Homer who, in despair of an inaccessible love, ends his life with the use of a friend's pistol.

A: THE SORROWS OF YOUNG WERTHER (DIE LEIDEN DES YUNGEN WERTHER)

11. In 1940, Ramon [^]~~M~~ercador del Rio carved himself a niche in history, when he killed a man with a mountain climber's axe. FTP, name this man, symbolized by Snowball in Orwell's Animal Farm, who was exiled from Russia shortly after the overthrow of Czar Nicholas II.

ANSWER: Leon TROTSKY

12. In 1889 he won the last title bout fought with bare knuckles, defeating Jake Kilrain; however, when gloves were added, he lost to "Gentleman Jim" Corbett in 1892. FTP, name this American boxer, known as the "Boston Strong Boy".

A: John Lawrence SULLIVAN.

13. The Supreme Court Case "Roth v. United States" in 1959 says that the Postmaster General cannot judge the obscenity of material in the US Mail. FTP, this decision dealt with the printing and distribution of what rather racy 1929 D.H. Lawrence novel?

A: "LADY CHATTERLEY'S LOVER"

14. The basis for a 1965 hit by the Byrds, this Haftarah book's authorship was ascribed to Solomon. FTP, name this book, which was the inspiration for "Turn, Turn, Turn."

ANSWER: _ECCLESIASTES_

15. It has been languishing under an embargo for over a year and a half. But that changed in October when this country signed an agreement to remove the Star of Vergina from its flag and make no territorial claims beyond its existing borders. FTP, name this former Yugoslav republic which borders Greece.

ANSWER: _MACEDONIA_

16. This architect's most celebrated work is the facade of the Expiatory Church of the Holy Family. His work developed a startling new style that combined art nouveau with random bits of color and material, which manifested itself in another of his works, the Casa Mila in Barcelona. FTP, name this architect, whose last name gave rise to an adjective that matches his style.

A: Antonio GAUDI.

17. For a quick ten points, (although you may want pencil and paper) what is the sine of 15 degrees? Your answer should *not* contain radicals within radicals.

Ans: $\frac{\sqrt{6} - \sqrt{2}}{4}$ { $\frac{\sqrt{2 - \sqrt{3}}}{2}$ } is NOT acceptable.}

18. Married to a local girl, this 19th century American author is buried in Elmira, NY, and had one of the first telephones in the United States.

FTP, name this man, sometimes given credit for inventing the modern novel, author of such works as _Letters to the Earth_, "The Fabulous Jumping Frog of Calaveras County," and _The Adventures of Tom Sawyer_.

ANSWER: Mark _TWIN_

19. A Baron of Tilton, he represented the British Treasury at the end of World War I but resigned his position in protest of the economic provisions of the Versailles treaty. FTP name this author of _The General Theory of Employment, Interest, and Money_, whose economic theories supported the legislation of the New Deal.

ANSWER: John Maynard _KEYNES_

20. A big uproar arose a few years ago when various religious reformers denounced records that contained hidden "satanic" messages when played backward. While not quite demonic, one recently released song does contain hidden messages--two of them--when played backward. FTP, name this new Beatles release first heard on the _Beatles Anthology_.

ANSWER: _FREE AS A BIRD_

21. He was present at the Versailles conference during World War I, worked as a cook in Manhattan, and was jailed for subversion in Hong Kong. He has fought the Chinese Nationalists and the Japanese, but you probably know him best for his struggles against the armies of France and the United States. FTP name this man, after whom the former Saigon is named.

A: Ho Chi Minh

22. Careful! There are two answers for this poetic question:

"Half a league, half a league, half a league onward,
Into the Valley of Death rode the Six Hundred."

FTP, name both the author of these lines and the war in which the described battle took place.

ANSWER: Alfred Lord _TENNYSON_ and _THE CRIMEAN WAR_.

23. For a quick TP, name this man of yore, whose _Qanun_, or _Principle of Medicine_ was the definitive

European medical textbook until the 16th century.

ANSWER: _IBN SINA_ or _AVICENNA_

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BONUSES!!!

[30]

1. Identify the following terms from writing beginning with the same three letters, for the stated number of points. [Note special fourth part of question!]

For 5: a metrical foot with two short syllables followed by a long, as in the phrase "in the room"

ANSWER: ANAPEST

For 10: the use of something in an appropriate place, such as tigers in the Tarzan books

ANSWER: ANACHORISM

For 15: a word repeated for effect, such as "victory at all costs, victory in spite of all terror, victory however long and hard the road may be"

ANSWER: ANADIPLOSIS

5: *If you missed that last one,* you can get 5 points by naming the speaker of the quote.

ANSWER: Winston CHURCHILL

[25]

2. Everyone knows that China and India are the two most populous nations. F5P each and a bonus five for placing them in descending order, identify the nations that rank third through sixth in population.

ANSWER: U_NITED S_TATES, INDONESIA, BRAZIL, RUSSIA [DNA USSR]

[25]

3. Identify these characters from the story of Agamemnon for five points each with a five point bonus for all five.

- a. His daughter, whom he sacrificed. A: IPHIGENIA
- b. The goddess to whom he sacrifices Iphigenia. A: ARTEMIS
- b. His wife, who murders him. A: CLYTEMNESTRA
- c. Clytemnestra's lover and co-conspirator. A: AEGISTHUS

[30]

3. Given the famous building in Paris, identify the architect, FTP each.

Sorry, but the Eiffel Tower is right out.

- a. The Swiss Pavillion of the Paris City University

A: LE CORBUSIER (or Edouard Charles JEANNEAU) *SECRET*

- b. The Glass Pyramid of the Richelieu Wing of the Louvre

A: I.M. PEI

- c. The Centre Pompidou

A: Richard ROGERS

[30]

5. Name the composer from his works, for the stated number of points.

5: The Titan, Song of the Earth

ANSWER: Gustav MAHLER

10: Dissonant Quartet, Così fan tutte

ANSWER: Wolfgang Amadeus MOZART

15: _Five Mystical Songs_, _Fantasia on a Theme of Thomas Tallis_
ANSWER: Ralph [Rafe] _VAUGHAN WILLIAMS_

(30)

6. FTP each, given the real name of an actor, give the name by which he is better known.

- a. Roy Scherrer, Jr. A: ROCK HUDSON
- b. Bernard Schwartz A: TONY CURTIS
- c. Ramon Estevez A: MARTIN SHEEN

[30]

7. For the stated number of points, given the Olympic athlete, name the event he or she won the gold in.

- 5: Sonja Henje ANSWER: Women's _FIGURE SKATING_
5: Vitaly Shcherbo ANSWER: Men's _GYMNASTICS_
5: Jackie Joyner-Kersey ANSWER: Women's _HEPTATHLON_
5: Donna Weinbrecht ANSWER: Women's _MOGUL SKIING_
10: Robert Zmelik ANSWER: Men's _DECATHLON_

(30)

8. FTP each, when given the title of a Renaissance painting, name the artist.

- a. Giovanni Arnolfini and Giovanna Cenami A: Jan VAN EYCK
- b. Land of Cockaigne A: Pieter BRUEGEL
- c. St. Francis In Ecstasy A: Giovanni BELLINI

(30)

9. For 15 points each, given a description of the mathematical transformation, name it.

a. Applied rampantly in optics and signal processing, it has such uses as decomposing a signal train into discrete elements or predicting the far-field pattern from an antenna power grating function. Formally, it is the convolution of the function to be transformed with a pure complex exponential.

Answer: FOURIER transform

b. Used widely in system analysis, it simplifies the solution of initial value differential equations by casting them in an algebraic form. Formally, it is the convolution of the function to be transformed with a mixed real and imaginary exponential.

Answer: LAPLACE transform

(25)

10. Answer these questions about a famous censorship case for the stated number of points.

a. In 1990, Luther Campbell, aka Luke Skyywalker, spent a night in jail for violating obscenity laws. Campbell fronted, for five points, what rap group, famous for the racy hit song "Me So Horny?"

A: 2 LIVE CREW

b. FTP, who was the governor of Florida at the time, a target of another 2 Live Crew Song, who was defeated for re-election by current governor Lawton Chiles?

A: Bob MARTINEZ

c. Attorney Jack Thompson, who once ran for District Attorney in Dade County, led the fight against 2 Live Crew, partially due to the fact that Campbell,

despite being a registered Republican, campaigned for his Democratic opponent. FTP, name this opponent, whom I'm sure you've heard of.

A: Janet RENO

(25)

11. As we all know, Greg Maddux has won four consecutive National League Cy Young Awards. It's getting tough to recall who won them before he did. For five points each, name in any order the last five NL Cy Young Award winners before Maddux's first in 1992.

A: MARK DAVIS (1991), DOUG DRABEK (1990), TOM GLAVINE (1989), OREL HERSHISER (1988), STEVE BEDROSIAN (1987)

(30)

16. Identify the composer from a list of works on a 30-20-10 basis.

30 : The Siege of Corinth, The Touchstone

20 : The Lady of The Lake, The Thieving Magpie

10 : The Barber Of Seville

A: Gioacchino ROSSINI

(30)

12. Do you know your brain geography? Answer these questions FTP each.

a. It's a part of the brain associated with long-term memory, and it's also the name of the genus of the seahorse. A: HIPPOCAMPUS

b. The bridge between the two hemispheres - cutting it was often used as a treatment to lessen the impact of epileptic seizures. A: CORPUS CALLOSUM

c. In reptiles, it functioned as a third eye. In humans, its purpose is not clear but may direct the "biological clock." Some thinkers once thought it contained the soul. A: PINEAL BODY or PINEAL GLAND

[25]

13. Pencil and paper will help with this one. Write down these schools: Pragmatism, Epicureanism, Stoicism, Analytical Philosophy, Existentialism. Now, F5P each with a 5 point bonus for all correct, match each of the following philosophers to their schools.

a) ^{William} Henry James ANSWER: PRAGMATISM

b) Marcus Aurelius ANSWER: STOICISM

c) Bertrand Russell ANSWER: ANALYTICAL PHILOSOPHY

d) Pascal ANSWER: EXISTENTIALISM huh?

[30]

14. Identify the following about the Congress of Vienna for the stated number of points.

F5P, give one of the years in which the Congress took place.

ANSWER: 1814 or 1815

Now, F5P each and a 5 point bonus for all correct, name the ministers who represented Britain, Russia, Austria-Hungary, and Prussia at the Congress of Vienna.

ANSWER (in order): Viscount CASTLEREAGH, ALEXANDER I, Clemens von METTERNICH, Karl August von HARDENBERG

(30)

15. Time to test your knowledge of scientific constants! F5P apiece, and a 5P bonus for getting them all, list the following constants in increasing order[all constants are in standard SI units]: the gravitational constant,

Boltzmann's constant, the hydronium ion concentration in water, Planck's constant, and Avogadro's number.

A:(IN THIS ORDER) Planck's Constant, (10-34)
Avogadro's Number, (6.602×10^{-23})
Boltzmann's constant, (1.86×10^{-23})
The Gravitational Constant (6.6×10^{-11})
The H⁺ concentration in water (10-7)

[30]

16. Given characters from a play, name the play and its author, F5P each.

a. Perdita, Leontes

ANSWER: The WINTER'S TALE by William SHAKESPEARE

b. Ines, Garcin [GAHR-saan], Estelle

ANSWER: NO EXIT by Jean-Paul SARTRE [ACC: HUIS CLOS, wee cloh]

c. Captain Absolute, Miss Malaprop

ANSWER: THE RIVALS by R. B. SHERIDAN

[NOTE: Alex Trebek was wrong when he said it was School for Scandal.]

[30]

17. Nuclear bombs are extremely powerful weapons, that can have drastic effects on global ecology. Thus a large portion of the world became furious when which French President, F5P, authorized nuclear tests in the South Pacific in 1995?

ANSWER: Jacques CHIRAC

FTP, what treaty would Chirac have violated in so doing, had France actually signed it?

Comprehensive Test Ban Treaty

Finally, F15P more, on what French-governed island in the South Pacific were these tests conducted?

ANSWER: MORUROA [MOH-rue-roh-ah, be lenient with pronunciation]

[30]

2. (30-20-10) Identify the director given a list of films.

30 : "Seizure," "The Hand"

20 : "Salvador," "Talk Radio"

10 : "Born On The Fourth Of July"

A: Oliver STONE

[30]

19. FTP, Bernoulli's equation for fluid pressure is named after which member of the Bernoulli family?

ANSWER: DANIEL Bernoulli

The formulation of Bernoulli's equation demands four constraints on the fluid and its flow. F5P each, name these four constraints.

ANSWER: STEADYNESS, INCOMPRESSIBILITY, NONVISCIOUS, IRROTATIONAL
[accept equivalents]

[30]

20. 30-20-10: Give the common name.

30: The character played by Michael Ontkean in Twin Peaks.

20: A man who refused to leave his home near Mt. St. Helens and was killed in the 1980 eruption.

10: The President who "gave 'em hell."

ANSWER: Harry S. _TRUMAN_

[30]

21. FTP each, given the work, name the French painter.

1. "The Blue Boy" ANSWER: Edouard MANET

2. "The Raft of the Medusa" ANSWER: Jean Theodore GERICAULT

3. "Liberty at the Ramparts" ANSWER: Eugene DELACROIX

[30]

22. Identify the writer from his quotes, 30-20-10.

30 : "There is only one thing in the world worse than being talked about and that is not being talked about."

20 : "Nothing worth knowing can be taught."

10 : "I can resist everything except temptation."

A: Oscar WILDE

(25)

23. You may know that the seminal computer language BASIC was developed at Dartmouth College. But, for five points each, what does the acronym BASIC stand for?

BEGINNERS' ALL-PURPOSE SYMBOLIC INSTRUCTION CODE

[30]

24. Identify the following from Tom Clancy's "The Hunt for Red October", FTP each.

a. the name of the Russian commander of the Red October

ANSWER: Marko _RAMIUS_

b. the name of the U.S. submarine that tracked the Red October

ANSWER: _DALLAS_

c. the occupation of the Soviet spy on the Red October

ANSWER: _COOK_

[30]

25. For 10 points each, given the psychologist, name the approach to psychology he pioneered.

a. Abraham Maslow ANSWER: _HUMANISTIC_

b. B. F. Skinner ANSWER: _BEHAVIORAL_

c. Sigmund Freud ANSWER: _PSYCHOANALYTIC_