

Iowa State University
Academic Quiz Competition
Monthly Packet Club

Yale University

September 1995

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TOSSUPS:

1. It has been described as offering a "surrogate religion for the Enlightenment." Its members have been described as "belonging, not to one particular place only, but to places without number, and in almost every quarter of the globe ... from whom we can, if in distress, be sure to receive relief and protection." This describes, FTP, what organization founded in the 18th century that holds its meetings in "temples" around the country, whose members have included Alexander Hamilton and George Washington.

Answer: The Free-Masons_ [ACCEPT equivalents]

2. The inflection of nouns is an infliction to students of Latin, German, and Russian, though thankfully not in English. FTP, what is the term for the various cases and forms of nouns?

Answer: _declension_

3. The first name's the same. Clinton's deputy secretary of state and a type of light that flickers quickly, creating a "freeze-frame" effect. FTP, what is the common first name?

Answer: _Strobe_ [Talbott and light]

4. FAQTP, name the only country that uses no name on its postage stamps.

Answer: _Great Britain_ (_England_, _United Kingdom_)

5. While the recent flooding in California almost made large portions of California an island, some geologists predict that within the next

twenty million years, large portions of California will become an island headed towards Alaska. So says, FTP, which theory that states that the land masses of the Earth are in slow, but constant, motion.

Answer: _continental drift_

Accept: _plate tectonics_

6. One of the albums that hit record stores last Christmas was entitled, simply, "Merry Christmas." The songs there will be performed by a singer renowned for having a range of over six octaves. For 10 points, name this singer known for hitting ear-piercingly high notes whose initials are the same as those of "Merry Christmas."

Answer: Mariah _Carey_

7. A man is responsible for his actions, and must accept this responsibility for his actions in deciding how he will act. That is part of the theory behind, for ten points, what philosophy, one of whose major proponents was Nobel laureate Jean-Paul Sartre?

Answer: _existentialism_

8. FAQTP, what is the ratio of frequencies between high C and middle C?

Answer: _2_ to _1_

9. The oddly-named Spectral Theorem of linear algebra states that if a self-adjoint linear transformation maps a vector space V onto itself, then V has an orthonormal basis of vectors composed of, for ten points, what special class of vectors related to matrix T?

Answer: _eigenvectors_

Accept: _characteristic_ vectors; _proper_ vectors

10. FAQTP tell me which noble gas was first to become part of a compound.

Answer: _xenon_

11. Kit Carson served as his guide in several expeditions to the West. During the Mexican War, he was court-martialed for insubordination and resigned even though the verdict was overturned by President Polk. FTP, name this leader of the Bear Flag revolt in California.

Answer: John Charles _Fremont_

12. He coined the term "cosmetic psychopharmacology" to refer to psychiatrists' new ability to change undesirable but non-pathological personality traits. FTP, who is this author who is "Listening to Prozac"?

Answer: Peter _Kramer_

13. India, its land of origin, is still by far the world leader in its production. Leading U.S. states include Louisiana, Florida, and

especially Hawaii, which produces the best crops in the world, but Americans consume so much that they must import most of it from Puerto Rico and the Philippines. This plant was brought to Europe by the Moors, but by the mid-1600s, it was produced in the greatest quantities in the tropical areas of the Americas, particularly Brazil, which remains second only to India in world production. FTP, name this plant of genus saccharum.

Answer: _sugar cane_

14. Boxburghshire, Ross and Cromarty, Caithness, Ayrshire, Perthshire, Fife, Midlothian, and Angus are all, FTP, counties in what country?

Answer: _Scotland_

15. Sociologists use it to describe any theory that tries to explain class differences. Botanists use the word to describe the arrangement of various layers of vegetation to take maximum advantage of available light. FTP, name this fourteen-letter word, also used by geologists to describe the arrangement of sedimentary rocks in layers.

Answer: _stratification_

16. FAQTP, in which state was the 300th execution since the Supreme Court reinstated the death penalty carried out?

Answer: _Virginia_

17. The Gordon Bennett balloon race operates on a simple principle: the balloon that flies the farthest wins. While several balloonists have died during the race, it was only this year that the first deaths attributable to human aggression occurred, when a balloon was shot down, FTP, over which former Russian republic whose capital is Minsk?

Answer: Republic of _Belarus_

Accept: Respublika _Belarus_

18. The president of the MPAA, Jack Valenti, described him as "desperately ill and in need of medical attention," because he felt that forbidding high schoolers from hearing "a very moral message ... set in the world of nude dancing" was "nonsense." Apparently, he should know, because he wrote the screenplay. FTP, name this man, who also wrote the script for "Basic Instinct."

Answer: Joe _Eszterhas_

19. In his title match against Gary Kasparov, Vishy Anand was horrified when a spectator made the move "c2-c4". Thankfully, according to the rules of international chess matches, Anand was able to change the move. Unfortunately, Anand couldn't get too angry at the spectator, because he's the mayor of the city where the match took place. FTP, name this mayor of New York City.

Answer: Rudolph _Giuliani_ [JEW-lee-ah-nee]

20. This word was used in the 4th, 5th, and 6th centuries to denote a sacred enclosure, where fighting was prohibited. In the 7th century, after the rise of Islam, this word was used to describe anything that was forbidden to the Muslims by Allah. FTP, what is this Arabic word meaning "unlawful"?

Answer: _Haram_

21. He was born in 1923 in Massachusetts, to parents of French-Canadian descent, and died in 1969. He wrote a semi-autobiographical novel "On the Road", published in 1957, that spawned many of the "road trip" movies and TV series that appeared on TV in later decades. FTP, name this author who coined the term "Beat Generation."

Answer: Jack _Kerouac_

22. According to one tradition it was made for Uther Pendragon who gave it to King Lodegrian of Camelot; another says it was made directly for King Arthur. FTP, name this advance in equality before the king which seated 150.

Answer: _round table_

23. According to legend, she was given as much shorefront land as she could enclose within a bull's hide. Being smart, she cut the strips to form a semicircle, which enclosed the maximum possible amount of land, enough to build a city. FTP, name this first queen of Carthage who killed herself when Aeneas would not have her.

Answer: _Dido_

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Bonuses

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30 POINT BONUS

1. Identify the following figures from Mexican history, FTPE.

a. He led a revolt in 1876 and ruled as dictator almost continuously until 1911.

Answer: Porfirio _Diaz_

b. Defeated by Diaz in the 1910 election, he became president in 1911 when Diaz was driven from power.

Answer: Francisco I. _Madero_

c. Supported by the U.S., he became leader and helped write its constitution of 1917.

Answer: Venustiano _Carranza_

30 POINT BONUS

2. Answer these questions about derivatives of adenine, one of the most important compounds in living organisms.

a. For 10 points, what molecule derived from adenine is used to store energy, though it is less than 40% efficient at its job?

Answer: _adenosine triphosphate_ (_ATP_)

b. And for ten points each, what two carrier molecules derived from adenine are used in transport in respiration?

Answer: _coenzyme A_; _NADP_

30 POINT BONUS

3. Identify the following women's rights advocates for ten points each:

a. She helped found the American Anti-Slavery Society in 1833, but was rejected as a delegate to the World Anti-Slavery Convention in 1840 because she was a woman. Along with Elizabeth Cady Stanton, she called the women's rights convention at Seneca Falls in 1848.

Answer: Lucretia _Mott_

b. She edited "The Revolution" from 1868 to 1870 and was arrested

for voting in 1872. She led the radical women's suffragists in opposition to the 15th amendment, but became president of the united movement from 1892 to 1900.

Answer: Susan B(rownell) _Anthony_

c. Probably the first married woman in America to keep her maiden name, she was also the first American woman to lecture in favor of women's rights, and helped convert Susan B. Anthony and Julia Ward Howe to the cause.

Answer: Lucy _Stone_

30 POINT BONUS

4. 30-20-10, name the basketball player.

(30) He is the only player ever to win the MVP award of the NCAA Final Four thrice.

(20) During his time in college, the dunk was outlawed because he used it so effectively.

(10) He is the NBA's all-time leading scorer, and holds the record for most points in a game 100.

Answer: Wilt _Chamberlain_

20 POINT BONUS

5. Given the description of the following organic chemistry functional groups, i.e., chemical species, name them for 5 points each. [R is an alkyl group, X is a halide.]

a. C (double bond) C Answer: _alkene_

b. O (double bond) C-H Answer: _aldehyde_

c. R-O-R Answer: _ether_

d. O (double bond) C-X Answer: _acyl halide_ [AH-kill or ah-SEAL]

30 POINT BONUS

6. Name the year and the country in which each of the following World War II battles took place.

a. El Alamein Answer: _1942_, _Egypt_

b. Leyte Gulf Answer: _1944_, _Philippines_

c. Battle of the Bulge Answer: _1945_ (_1944_), _Belgium_

30 POINT BONUS

7. In the 1876 election of Rutherford B. Hayes, all the electoral votes in Louisiana, South Carolina, and Florida were disputed by the Republicans.

a. For ten points, which state had but one of its electoral votes disputed by the Democrats?

Answer: _Oregon_

b. The electoral commission established to rectify the dispute consisted of

seven Democrats, seven Republicans, and one independent. But when this independent resigned to run for the Senate, the next seat fell to a Republican--and Hayes won the election. For 20 points, name this independent.

Answer: David _Davis_

20 POINT BONUS

8. [20] For each of the following phrases from Shakespeare, give the play's title, each of which is named after the title character. Five points each.

a. "To be or not to be"

Answer: _"Hamlet"_

b. "Beware the ides of March"

Answer: _"Julius Caesar"_

c. "Beware, my lord, of jealousy; / It is the green-eyed monster"

Answer: _"Othello"_

d. "This blessed plot, this earth, this realm, this England"

Answer: _"Richard II"_

30 POINT BONUS

9. Give the full name for each of the following medical abbreviations for 5, 10 and 15 respectively.

a. DOA Answer: _dead on arrival_

b. PTD Answer: _permanent and total disability_

c. EMG Answer: _electromyogram_

30 POINT BONUS

10. Name the musical composition.

(30) It was originally written for a ballet featuring one female dancer--and 20 males.

(20) The instrument list is: two flutes, a piccolo, two oboes (one the "oboe of love"), an English horn, four clarinets, two bassoons, one counterbassoon, four horns, four trumpets, three trombones, a tuba, three saxophones, 3 timpani drums, 2 tambourines, cymbals, tam-tam, celesta, harp, and string quintet.

(10) This Ravel work features the same transposed melody 19 times.

Answer: _"Bolero"_

30 POINT BONUS

11. We hear so much today about children gone bad: take the Menendez brothers, [please!] for example. In Greek mythology, however,

parents often were the criminals. For ten points each, answer the following questions about bad role models of Greek myth.

a. Aphrodite cursed her by making her have an incestuous love for Hyppolytus.

Answer: _Phaedra_

b. This man created the "cow contraption" by which Phaedra's mother gave birth to the Minotaur, a son who [thankfully] took after the father.

Answer: _Daedalus_

c. He sacrificed his daughter so that his ships could sail to Troy.

Answer: _Agamemnon_

30 POINT BONUS

12. Unfortunately for most Americans, most operas aren't written in English. But, FTP, in which language is each of the following operas written?

- | | |
|--------------------------|-------------------|
| a. Elektra | Answer: _German_ |
| b. The Fishers of Pearls | Answer: _French_ |
| c. Rigoletto | Answer: _Italian_ |

13. 30-20-10; Name the year given each of the following events.

(30) The Southeast Asian Treaty Organization (SEATO) is formed.

(20) The Geneva Conference is held; Brown v. Board of Education of Topeka goes before the Supreme Court.

(10) Joe McCarthy is censured for his Communist witchhunt.

Answer: _1954_

30 POINT BONUS

14. The study of cancer is very important to society at large.

Answer these questions about cancer for 5, 10, 15 respectively.

a. What are the two types of cancers?

Answer: _BENIGN, MALIGNANT

b. What is the medical term for the study of cancer?

Answer: _oncology_

c. What is the name for the process by which a cancer spreads and invades other organs, which is the usual cause of "death by cancer"?

Answer: _metastasis_

20 POINT BONUS

15. Given the stresses in a "foot," give the name of the foot, F5PA, and a 5 point bonus for all four.

a. short long Answer: _iamb_us

- b. short short long Answer: _anapest_
c. long long Answer: _spondee_
d. short short Answer: _pyrrhic_

30 POINT BONUS

16. [30] Given a discovery in physics, tell to whom and when the Nobel Prize was awarded for the discovery, five points for the person and five more for the year within three.

- a. nuclear reactions caused by neutrons

Answer: Enrico _Fermi_ [FAIR-me], 1938 [ACC: 1935-41]

- b. theorizing the wave nature of electrons

Answer: Prince Louis-Victor de _Broglie_, 1929 [ACC: 1926-32]

- c. the discovery of x-rays

Answer: Wilhelm _Roentgen_ [RENT-gehn], 1901 [ACC: 1898-1904]

30 POINT BONUS

17. Identify the psychological terms, 10 points each.

- a. The "seething cauldron" of unconscious urges and desires that continually seeks expression.

Answer: _id_ (_es_)

- b. The memories and behavior patterns inherited from antiquity.

Answer: _collective unconscious_

- c. The apathy and passivity that develops when rewards and/or punishments are independent of behavior.

Answer: _learned helplessness_

30 POINT BONUS

18. Identify the MKS unit of measurement for each of the following quantities for 5, 10 and 15 respectively.

- a. magnetic field Answer: _tesla_
b. inductance Answer: _henry_
c. magnetic flux Answer: _weber_

30 POINT BONUS

19. Given two characters, name the work and the author, for five points each.

- a. George Emerson, Lucy Honeychurch

Answer: "A _Room with a View_"; E(dward) M(organ) _Forster_

- b. Antigonus, Perdita

Answer: "The _Winter's Tale_"; William _Shakespeare_

c. Mary MacGregor, Sandy Stewart

Answer: "The _Prime of Miss Jean Brodie_"; Muriel _Spark_

30 POINT BONUS

20. For five points each, which four states have borders comprised only of straight lines? And, for 10 pts, which state's borders contain no straight lines?

Answer: _Colorado_, _Wyoming_, _Utah_, _New Mexico_; _Hawaii_

20 POINT BONUS

21. For five points each, name the book of the Old Testament from which each of the following quotations comes.

a. "And the evening and the morning were the first day."

Answer: _Genesis_

b. "What hath God wrought!"

Answer: _Numbers_

c. "The Lord is my shepherd; I shall not want."

Answer: _Psalms_

d. "Pride goeth before destruction, and an haughty spirit before the fall."

Answer: _Proverbs_