

Penn Bowl I Toss Ups

Brought to You by Your Good Friends from Hampden Sydney A

1. For a quick ten points, what does -1^5 (negative one to the fifth to the second power) equal?

A: -1

2. Yale professor Benoit Mandelbrot is known for his work in a particular field of mathematics with exciting graphical and real-world applications. Name this field, part of the title of the book he published on the subject.

A: The Fractal (... Geometry of Nature = name of the book).

3. Wile E. Coyote has just ordered a new Acme product to catch the Road Runner. It consists of a surfboard on wheels with a big sail attached to it. A large fan rests on the back of the board, facing the fan. The fan is turned on, and it blows air into the sail, causing the whole contraption to move forward. In real life, what basic principle of classical physics does this Acme product defy?

A: Newton's 3rd Law

4. By carefully combining equal molar amounts of caustic sodium hydroxide with hydrochloric acid, FTP, what two essential biochemical products result?

A: Salt and Water (or NaCl and H₂O)

5. Given 6.022×10^{23} molecules of any gas, you'd think it would take up, technically speaking, gobs upon gobs of space. But at 0 degrees Celsius, and at sea level, those floating suckers occupy a well-known volume. FTP, give that volume either in liters or cubic meters.

Answer: 22.4 liters or 0.0224 meters³

6. Far out in space, lighthouses of the void sit silently. FTP, give the common name for these lighthouses, rapidly spinning super dense masses that send out short bursts of radio waves.

Answer: Pulsars

7. According to most fundamentalist theologians of the Bishop Usher ilk, in what year did God create the earth?

Answer: 4004 B.C.

8. The title character in Elizabeth Gaskell's Mary Barton lived in what English manufacturing town, which, FTP, is making a bid for future summer Olympics?

Answer: Manchester

9. Last year this state erected signs proclaiming "America Starts Here." This was quite controversial -- especially considering the state's equally historic neighbors. FTP, name this state, which, of the 13 original colonies, was the only one without an Atlantic coastline.

Answer: Pennsylvania

10. In the 1830's one of his Parliamentary acts created an organized police force. Who was this British Prime Minister from 1841-1846 for whom London policemen are nicknamed?

Answer: Robert Peel II (i.e. "Bobbys")

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11. "Deaf" Smith, despite his handicap, was one of the best scouts in early Texas. He is honored in his native state by having one of the largest of these named for him. That's something, considering Texas has more of these than any other state. These what, FTP?

Answer: County or counties

12. Contrary to popular belief, China is not directly below the United States. FTP, if you were to dig straight down, what ocean would you eventually swim in?

Answer: Indian

13. In 1963, a TV editorial director named Jesse Helms aired praise for the young South Carolinian man who became Clemson's first black student. Said Helms, "He has stoutly resisted the pose of a conquering hero for the forces of integration. He simply wants ... to be an architect." Now an architect, he unfortunately did not prove the conquering hero in his attempt to unseat Senator Helms in this November's election. FTP, who was Helm's opponent?

A: Harvey Gantt

14. This nation's leading exports include alumina, bauxite, sugar, rum, and Blue Mountain coffee, if not the most expensive, than one of world's most acclaimed coffees. FTP, which is this island nation?

A: Jamaica

15. The name's the same, so give both parts FTP: The captain of the Vincennes responsible for shooting down Flight 655, and the twentieth century American humorist known for his folksy but sharp social and political commentary.

Answer: William Rogers

16. FTP, What university's decision not to admit Allan Bakke to their medical school lead to the famous Bakke decision of 1978?

Answer: University of CA at Davis or UC-Davis (If University of California, ask to be more specific)

17. Maximillien Francois Marie Isidore, an 18th century Jacobin, lead France during the Reign of Terror. His last name FTP.

Answer: Robespierre

18. This single name's the same, FTP: A Shawnee chief in the late 18th and early 19th centuries, and the middle name of the leader who burned Atlanta.

Answer: Tecumseh

19. No man is an island, but Napoleon Bonaparte was certainly influenced by these shabby rocks. So, FTP, on what island did it all begin for Napoleon?

Answer: Corsica

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20. Last year Joe Montana quarterbacked the San Francisco 49'ers to their fourth Super Bowl of the Eighties. But for 10 points, who quarterbacked the Pittsburgh Steelers to their four Super Bowls?

Answer: Terry Bradshaw

21. In syndication until the end of eternity, Captain Kirk has been exploring strange, new, worlds for 25 years. But for points, how long was the ship's mission supposed to last?

Answer: 5 years

22. As Secretary of State, James Baker was in the national spotlight because of his futile meeting with Tariq Aziz. But, ftp, what Cabinet position did Baker hold before being promoted to Secretary of State?

Answer: Secretary of Treasury

23. In the 1982 N.C.A.A. finals, North Carolina won the game when a freshman made a basket with under a minute to go. Now for 10 points, who was the freshman, number 23, that won the game for the Tarheels?

Answer: Michael Jordan

24. "What is the air speed velocity of an unladen swallow?" "What is the capital of Assyria?" "What is your favorite colour?" These questions come from a famous movie that included King Arthur, Sir Robin, and the Knights who say "knee." FTP name this British comedy classic.

Answer: Monty Python and the Holy Grail

25. FTP, "Fifty-four, forty or fight!" was the campaign slogan of what dark-horse presidential candidate?

Answer: James K. Polk

26. For a quick ten, with what implement of destruction was Leon Trotsky killed?

Answer: Icepick

27. FTP, who was the United States' first Secretary of War?

Answer: Henry Knox

28. For a quick ten points, name the fastest-selling hard-cover book ever documented, a New York Times bestseller for over a year, penned by America's most celebrated parent.

A: Bill Cosby's Fatherhood

29. For much of his life this British citizen controlled mining rights in much of Africa. One entire country, in fact, was named for this wealthy man until it became two independent countries. Give either the former name of Zambia and Zimbabwe or the man who established a scholarship for foreign students at Oxford University.

Answer: Rhodesia or Cecil J. Rhodes

30. For an end-of-the-packet ten points, what's the capital of Bangladesh?

Answer: Dacca

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30 POINT For 5 points each, name the film which won the Academy Award for the Best Picture in the following years:

- | | |
|-------|---|
| 1986? | Answer: <u>Platoon</u> |
| 1976? | Answer: <u>Rocky</u> |
| 1972? | Answer: <u>The Godfather</u> (or <u>Godfather I</u>) |
| 1943? | Answer: <u>Casablanca</u> |
| 1939? | Answer: <u>Gone With the Wind</u> |
| 1927? | Answer: <u>Wings</u> (1st film to win the award) |

2. 25 POINT For 10 points, name all five of the first five books of the Old Testament. For 25 points, name them in order.

Answer: Genesis Exodus Leviticus Numbers and Deuteronomy

3. 30 ~~25~~ POINT All or nothing, 30 points. Name the television program, not counting news specials, that garnered the highest rating for a single broadcast in the history of television, and what in particular drew audiences to it that night.

Answer: M*A*S*H* -- it was the final episode (broadcast 2/28/83 to 50,150,000 households).

25 POINT For 25 points, all or nothing, name, in order of publication, the novels of Tom Clancy.

Answer: The Hunt for Red October, Red Storm Rising, Patriot Games, Cardinal of the Kremlin, Clear & Present Danger

20 POINT Upon the death of Alexander the Great, his generals divided the empire into four parts, each an independent monarchy. 5 points for each one you can name.

A: Seleucid, Pergamene, Ptolemaic and Antigonid Monarchies

20 POINT The only three nations whose names begin with the letter "Z" are located in Africa. For 20 points, zowie or zilch, name them.

A: Zaire Zambia and Zimbabwe

30 POINT Name the author from his works 30-20-10.

30. The Hanging of the Crane
20. The Courtship of Miles Standish
10. Evangeline

Answer: Henry Wadsworth Longfellow

30 POINT For 30 points, name the American poet whose subject matter was generally noisy, colorful, and exciting. He became popular for the recitations of his poems, which he often chanted or sang. Some of his more popular poems were "The Congo," "The Eagle that is Forgotten," and "Abraham Lincoln Walks at Midnight."

Answer: Vachel Lindsay

30 POINTS 30-20-10 Identify this dramatist from his works:

- 30) The Pajama Game
20) Damn Yankees
10) A Tree Grows in Brooklyn

Answer: George Abbot

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30 POINT 30-20-10 Identify this dramatist and author from his works:

- 30) The Living Room
- 20) The Potting Shed
- 10) The Compliant Lover

Answer: Graham Greene

11. 30 POINT 1989 was an exceptional year for college basketball. Let's see how exceptional your memory is. For 10 points each, name the player of the year, the coach of the year, and the team that won the NCAA Division I National Championship.

Answer: Stacey King, Bob Knight, University of Michigan

12. 30 POINT If worldwide peace is to be achieved, the entire global community must participate, right? For 10 points each, name the Nobel Peace Prize winners of 1975, 1977, 1979.

Answer: Andrei Sakharov, Amnesty International, Mother Teresa

13. 20 POINT Given the number, give the name for each of these constants, 5 points each:

- | | |
|--|---------------------------------------|
| 1. 3.14159 | Answer: <u>Pi</u> |
| 2. 2.71828 | Answer: <u>e</u> |
| 3. 6.672×10^{-11} Newton-meter ² per kilogram ² | Answer: <u>Gravitational constant</u> |
| 4. 299,792,458 meters/second | Answer: <u>Speed of Light</u> |

30 POINT Some human traits are known to be dominant, and some recessive. Travel back to high school biology and state, ftp each, which these are. The Traits: tongue rolling, attached earlobes, widow's peak.

Answers (In order): Dominant, recessive, recessive

15. 20 POINT As the old saying goes, "Man must do two things: pay taxes and die." For your bonus, name the organization which originated in the U.S. Treasury, but is now concerned with keeping the President from dying, no matter what the cost.

Answer: Secret Service

16. 20 POINT Are you chomping or byting at the bit? For ten points, what is the relationship between the bit and the byte?

A: The byte is eight times larger than the bit

Actually, the teeny bit is, of course, an acronym. FTP, what does bit stand for?

A: Stands for "binary digit"

17. 25 POINT A Pythagorean Triple is a set of three numbers a, b, and c, such that $a^2 + b^2 = c^2$. Which of the following are Pythagorean Triples? Each correct worth the square root of 25 points.

- | | |
|-------------|--------------------|
| 5, 12, 13? | Answer: <u>Yes</u> |
| 7, 13, 15? | Answer: <u>No</u> |
| 11, 60, 61? | Answer: <u>Yes</u> |
| 6, 19, 21? | Answer: <u>No</u> |
| 13, 84, 85? | Answer: <u>Yes</u> |

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1. 25 POINT Get out those pencils, and let's play **Penn Bowl I** match game!!
Given a list of discoveries, match them with the discoverer. 5 points each. {moderator: read one list, then the other}

Discoveries

- a. Atomic Energy Levels
- b. Electron Charge
- c. Genetics
- d. Evolution
- e. AC power transmission.

Discoverers

- a: Tesla and Faraday
- b: Nels Bohr
- c. Darwin
- d. Milliken
- e. Mendel

Answer: a and b; b and d; c and e; d and c; e and a

19. 30 POINT The works of Marcel Duchamp were very outrageous, but what were the titles of these Dadaist works by this remarkably bizarre artist? FTP, this work was an early major work, and it shows stratoscopic motion of the figure across the canvas. What was its name?

Answer: Nude Descending a Staircase #2

This egregious work, revealed through a thick, wooden peep-hole, depicts, from the neck down, a raped woman. The title has nothing to do with the subject, but with an element within the work's background. For 20 points, name it.

A: Waterfall

20. 30 POINT Of the four DNA bases, ftp each, which two are purines?
Answer: adenine, guanine (give answer for next part)

FTP more which pyrimidine pairs with adenine?

Answer: Thymine

21. 25 POINT While we're on the subject of linear algebra, name the mathematician who, in addition to developing a procedure for reducing equation systems to their now echelon form, also discovered a way of calculating the orbits of asteroids, while finding time to make basic discoveries in electromagnetism. For 25 pts, name him.

Answer: Carl Friedreich Gauss

22. 25 POINT Economists are often grouped into schools based on their theories about how economics work. For instance, Adam Smith was a classical economist and John Maynard Keynes was, of course, a Keynesian. I will list several economists and you name their schools of thought.

- | | |
|-------------------------|---|
| 1) Milton Friedman | Answer: <u>Monetarist</u> |
| 2) Friederich Van Hayek | Answer: <u>Austrian</u> |
| 3) Paul Samuelson | Answer: <u>Keynesian</u> |
| 4) Arthur Laffer | Answer: <u>Supply Side</u> |
| 5) Robert Lucas | Answer: <u>Neo Classical</u> (or Rational Expectations) |

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23. 20 POINT For 5 points each, name the U.S. Presidents associated with the following slogans:
- | | |
|-----------------------------|-------------------------------------|
| The New Frontier | A: John F. <u>Kennedy</u> |
| The New Deal | A: <u>Franklin Delano Roosevelt</u> |
| The Square Deal | A: <u>Theodore Roosevelt</u> |
| Tippecanoe, and Tyler, too! | A: <u>William Henry Harrison</u> |

24. 30 POINT Now that we know who the "Trekies" are, let's see if you know nationalities. For 10 points each, name the nationalities of Mr. Scott, Mr. Chekov, and Captain Kirk.

Answer: Scottish, Russian, American

25. 30 POINT A meeting between Baker and Hussein ain't a capital idea, but going against that spirit, let's test your knowledge of capitals. For 30 points, all or nothing, name the capitals of the following states: Pennsylvania, New York, North Dakota, Wyoming, and Nevada.

Answer: Harrisburg, Albany, Bismarck, Cheyenne, and Carson City

26. 20 POINT The Iliad tells of the classic battle between Hector and Achilles. For 20 points who was the father of Hector who had to watch his son die?

Answer: Priam

27. 20 POINT This man was a commentator for ABC's Wide World of Sports, and Monday Night Football. He is famous for his classic interviews with former Champ Muhammad Ali and has a voice that has been imitated by several comedians. Name this man that wrote the book, "I Never Played the Game," for 20 pts.

Answer: Howard Cosell

28. 20 POINT In 1988 two college football teams finished the regular season undefeated. Coincidentally both teams were led by black quarterbacks wearing number "9." For five points a piece, give the quarterback's names and their respective teams.

A: Major Harris -- West Virginia
Tony Rice - Notre Dame

29. 30 POINT Rodgers and Hammerstein are well known for their brilliant musicals. One, however, is particularly noteworthy in that the play itself won a Pulitzer prize as did the novel on which it was based. FTP each, name the play, the book, and its author.

A: Tales of the South Pacific -- book; James A. Michener -- author;
South Pacific -- musical

30 POINT 30 points all or nothing: Name the nine justices on the Supreme Court (last names only).

A: Kennedy, Souter, Stevens, Marshall, Scalia, Rehnquist, O'Connor,
Blackman & White