

1993 PRINCETON INVITATIONAL
PENN STATE (JOEPA) QUESTIONS
TOSSUPS

1. This work, the first prose masterpiece in Italian, was written around 1350. It tells how a group of young Florentines escapes from the plague and for ten days take turns telling stories. FTP, name this short story collection of Giovanni Boccaccio.

DECAMERON

2. His is the voice that says, "This is CNN". You may also know this actor from commercials for the Yellow Pages and the recent television series Pros and Cons. FTP, name this deep-voiced actor who provided the voice of Darth Vader.

James Earl JONES

3. The reason that water evaporates even at temperatures far below its boiling point is that a liquid will always coexist in equilibrium with the same substance in gaseous phase. FTP, give the chemical term for the quantity of gas that when present above a liquid will make the rates of evaporation and condensation equal.

VAPOR PRESSURE

4. Perhaps the most recognized wedding music besides "Here Comes the Bride" is the the "Wedding March" from incidental music written for a translation of Shakespeare's A Midsummer Night's Dream. FTP, what nineteenth century conductor and composer wrote that music?

Felix MENDELSSOHN-Bartholdy

5. A fan of Star Trek since the original series aired in the 1960's, she says that Nichelle Nichols was her inspiration as an actress. She got a chance to act in Star Trek, playing the bartender on The Next Generation. FTP, name this actress who portrays Guinan.

Whoopi GOLDBERG

6. His public television programs include "After the Warming", in which he reports from 2050, after the greenhouse effect has changed our climate; "Connections"; and "The Day the Universe Changed", the last examining epoch-making technological innovations. FTP, name this British historian.

James BURKE

7. He was a Danish explorer employed by Russia; on an expedition in 1740-41 he became the first European to sight Alaska. He also proved that America and Asia are separated by sailing the strait now named for him. FTP, name this eighteenth-century explorer.

Vitus BERING

8. This seven-letter word can name an open tract of land where low shrubs grow, shrubs such as are used in Britain for brooms and thatch. It is also a woman's name, and the name of a movie starring Winona Rider and Christian Slater. FTP, give this word.

HEATHER

9. This American literary work has been parodied by a Warner Brothers' cartoon where Bugs Bunny takes the place of the main character, Hank Morgan. Morgan is hit on the head with a crowbar during a fight and takes a voyage back in time to the year A.D. 528. FTP, name this Mark Twain story.

A CONNECTICUT YANKEE IN KING ARTHUR'S COURT

10. Marsupials are mammals with pouches; monotremes lay eggs. All other mammals belong to a group named after a disk-shaped organ that develops in the uterus and provides for the exchange of materials between mother and fetus. FTP, name the organ or the class.

PLACENTA or PLACENTAL

11. Of Alaska, the Virgin Islands, Hawaii, and Puerto Rico, which of those territories, for a quick ten points, was the last to be acquired by the United States?

VIRGIN ISLANDS (1916)

12. In anthropology this word means a group whose members claim descent from a common ancestor without knowing actual links to that ancestor. In common parlance it's most often associated with such groups in the Scottish highlands. FTP, give this four-letter word.

CLAN

13. Dan Gladden, Kent Hrbek, and Jose Canseco are the last three players to hit one in a World Series; Fred Lynn is the only player to ever to hit one in an All-Star Game. The same term describes something that a very good golf or tennis player might accomplish. FTP, name the accomplishment of those four baseball players, which insured that they had at least four runs batted in during the games in question.

GRAND SLAM

14. For 400 years this cathedral was the world's largest, before being surpassed by St. Peter's. Today only a bell-tower and part of the transept remain. FTP, in what French town near Lyon was this cathedral, destroyed by religious wars and the French revolution? Hint, it's also the name of a medieval art museum in Paris.

CLUNY

15. In 1994 this spacecraft will study a region of the solar system about which we still have little information -- the poles of the Sun. It was flung into a polar orbit around the Sun by a gravitational interaction with Jupiter. FTP, name this craft, named after an epic Greek voyager.

ULYSSES

16. This river begins in the Alps along the French-Italian border, and flows through Turin on its way to the Adriatic Sea just south of Venice. FTP, what is this river with a very short name?

PO

17. "The grand depository of the democratic principle of the government". My, how things change. For a quick ten points, at the constitutional convention in Philadelphia a speaker used that phrase to describe what governmental body?

HOUSE of Representatives

18. Alexander Pope and John Gay wrote, "From the highest to the lowest it is universally read, from the cabinet council to the nursery." When writing this book its author read aloud large chunks to his servants to make sure every sentence fit his standard of simplicity. Both satire and children's literature, it was first published in 1726. FTP, name this book in which the hero voyages to such places as Glubdubdrib, Japan, and Laputa.

GULLIVER'S TRAVELS

19. Aaron Copland composed "Portrait of Abraham Lincoln", a musical piece with a part for a speaking narrator. But FTP, who wrote "Portrait of J.S. Bach" in the same style?

P.D.Q. BACH or Peter SCHICKELE

20. The first two of these Islamic leaders were Abu Bakr and Omar. FTP, give the Arabic word for a successor to the prophet Mohammed as an Islamic spiritual leader.

CALIPH

21. The point in the Earth's orbit where it comes closest to the Sun is called the perihelion. FTP, in what month does Earth's perihelion occur: January, March, June, or October?

JANUARY

22. Pen and paper ready for a math question. A sphere and a cube have exactly the same volume. FTP, give the exact ratio of the

length of the side of the cube to that of the radius of the sphere.

$(\frac{4}{3}\pi)^{1/3}$ (The third root of four-thirds π)

23. George bush almost did it: that is, serve two full terms as president and two full terms as vice president. He would have been the first man in U.S. history to do so. But FTP, who is the only person ever to be elected twice to each office?

Richard M. NIXON

24. When the Aztecs found ruins of a huge abandoned city a few miles north of Mexico City, they called it Teotihuacan (te-O-tiwacan), because they believed that mere humans couldn't have built the city. If Greeks had come to the same conclusion, they might have called it "Theopolis". FTP, what does Teotihuacan mean?

CITY OF GOD or CITY OF THE GODS

25. This 13-letter word may sound like has to do with the ninth month, but it doesn't. It's an archaic term for "northern" and is found designating such regions on many old maps. It's an equivalent of "occidental" and "oriental" in being derived from Latin, though unlike those words it has fallen out of common use. FTP, give this word.

SEPTENTRIONAL

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Penn State Joe

Bonus:

1. (20 points) For ten points each, supply the terms used in hockey and other sports for:

1. A situation due to a penalty in which one team has more players in action than the other.

POWER PLAY

2. One player scoring three or more goals in the same game.

HAT TRICK

2. (30 points) In this new opera, a man travels back in time to prevent an execution. Two unlikely characters then fall in love with each other: Marie Antoinette and Beaumarchais, the author of The Marriage of Figaro. For 15 points each, name this opera that premiered in New York in 1991 and its composer.

The GHOSTS OF VERSAILLES, John CORIGLIANO

3. (20 points) For ten points each, name the branches of mathematics I will describe:

1. Deals with the properties of the set of integers, including primes and divisibility.

NUMBER THEORY

2. Deals with sets having the following properties: an identity element, inverses for each element, and closed under multiplication.

GROUP THEORY

4. (25 points) For five points each or 25 if all correct, name the American poets who wrote the following poems or collections of poems:

1. When the Frost is on the Pumpkin, Little Orphan Annie
James W. RILEY

2. Chicago Poems, Smoke and Steel
Carl "Ryno" SANDBURG

3. Stopping by the Woods on a Snowy Evening
Robert FROST

5. (20 points) During the earliest stages of Roman history, the city was under the control of these people. They appeared in Italy around 800 B.C., traded with the Greeks and Phoenicians, and introduced the worship of certain gods. For 20 points, name this group of people who controlled Rome until about 500 B.C.

ETRUSCANS

6. (30 points) 30-20-10 Name the author, who died in 1987, from his works

1. The Flight of the Wild Gander

2. The Hero With 1000 Faces

3. The Power of Myth
Joseph CAMPBELL

7. (25 points) Now for the evil-sounding but not really very hard positional astronomy bonus question! For each part, your answer will be either a cardinal direction (N,E,S,W) or an intercardinal direction (NE,SE,NW,SW). For five points each and five extra if all correct, provide the proper direction you would look to see each phenomenon I will describe, if you were standing in Princeton, New Jersey. Assume a perfect horizon and no atmospheric refraction.

1. The setting of Orion's belt; those stars are on the celestial equator.

WEST

2. The rising of the Sun on the first day of Summer.

NORTHEAST

3. The setting of the full moon in December.

NORTHWEST

4. The rising of the star Sirius, which is south of the celestial equator.

SOUTHEAST

8. (30 points) This is a question about rivers and capital cities. First, for five points each, name the three American state capitals that lie along the Missouri River.

BISMARCK, PIERRE, JEFFERSON CITY

Now, for five points each, name three of the four European national capitals that lie on the Danube.

VIENNA, BUDAPEST, BELGRADE, BRATISLAVA

9. (20 points) Not counting West Virginia, which was created during the Civil War, four states where slavery was legal remained loyal to the Union. Name them, for five points each.

DELAWARE, MARYLAND, KENTUCKY, MISSOURI

10. (30 points) Identify the following medieval monarchs, for ten points each.

1. Killed by William of Normandy at the battle of Hastings

HAROLD Godwin

2. Elected as king of France in 987 by prominent nobles, his descendants ruled until the revolution.

Hugh CAPET

3. Restored the German Empire, conceived of himself as leader of all western Christians, crowned Roman Emperor in 962.

OTTO I or OTTO THE GREAT

11. (25 points) For five points, each, place the following Pulitzer Prize winning works of fiction into chronological order, beginning with the earliest: To Kill a Mockingbird (Harper Lee), The Grapes of Wrath (John Steinbeck), The Old Man and the Sea (Ernest Hemingway), The Caine Mutiny (Herman Wouk), Tales of the South Pacific (James Michener)

STEINBECK (THE GRAPES OF WRATH),
MICHENER (TALES OF THE SOUTH PACIFIC),
WOUK (THE CAINE MUTINY),
HEMINGWAY (THE OLD MAN AND THE SEA),
LEE (TO KILL A MOCKINGBIRD)

12. (30 points) For ten points each, give the name of the type of cloud described by:

1. Low (less than 2 km high), sheetlike clouds similar to fog.

STRATUS

2. Thin, featherlike clouds composed of ice crystals at a height above 7 kms

CIRRUS

3. Thick, vertically extended clouds with flat bases and rounded projections.

CUMULUS

13. (30 points) The Olympics are returning to America in 1996, to Atlanta. Seven other cities in North America have hosted at least one Olympic Games. Los Angeles is one; for five points each, name the other six.

LAKE PLACID, SQUAW VALLEY, ST. LOUIS, MONTREAL, CALGARY, MEXICO CITY

14. (20 points) Name these two fantasy authors, 10 points each.

1. The female author who has published over 25 novels since 1987, including "The Last Herald Mage" trilogy.

Mercedes LACKEY

2. The male sci-fi/fantasy author who has written many serious novels, but is best known for his pun-filled world of Xanth.

Piers ANTHONY

15. (20 points) The first Latin American country to become independent from European control did so in 1804, following a rebellion led by a former slave.

For 10 points each, name this country and its revolutionary leader.

HAITI, Toussaint L'OUVERTURE

16. (20 points) For ten points each, name these two cities important in the life of the apostle Paul: first, where he was born; and second, to what city he was journeying when visited by the apparition of Jesus.

TARSUS, DAMASCUS

17. (30 points) Ken Griffey Sr. and Jr. were the first father-son baseball players in the majors at the same time. But this question is about Greek heroic father-son combos. For 10 points each, name the more famous father when I name the son.

1. Orestes

AGAMEMNON

2. Telemachus

ODYSSEUS

3. Pyrrhus

ACHILLES

18. (25 points) There are now five living ex-U.S. presidents; this has happened only once before in history, in 1861 when Lincoln took office. For five points each, name the five ex-presidents who were still alive after Lincoln began his term.

Martin VAN BUREN, John TYLER, Millard FILLMORE, Franklin PIERCE, James BUCHANAN

19. (30 points) Do you have a map of the United States memorized? It would come in handy for this question. I'll name three sets of four cities, and in each set you tell me the two cities that are closest together in terms of driving mileage.

1. Dallas, Houston, San Antonio, New Orleans
HOUSTON, SAN ANTONIO

2. Albuquerque, Denver, El Paso, Phoenix
ALBUQUERQUE, EL PASO

3. Boston, Philadelphia, Richmond, Pittsburgh
PHILADELPHIA, RICHMOND

20. (25 points) The five Central Asian republics of the former Soviet Union joined the Slavic republics in forming the C.I.S. I'll name the capital city of each of these republics, and for five points each you match them with the correct republic.

1. Tashkent	UZBEKISTAN
2. Dushanabe	TAZHIKISTAN
3. Bishkek	KYRGHIZIA, KYRGHIZSTAN
4. Ashkhabad	TURKMENISTAN
5. Alma-Ata	KAZAKHSTAN

21. (25 points) This question writer's Greek friend sides with her countryfolk in opposing the former Yugoslav republic of Macedonia from gaining international recognition under that name. Some in Greece and elsewhere would prefer that the new republic take the name of its capital city. For 25 points, name that capital.

SKOPJE

22. (20 points) The drive from Mexico city to this city is only 250 miles long, but you descend over 7000 feet in altitude. For 20 points, name this Mexican city that is the largest city, though not its capital, of the state of the same name, and is also the largest city on Mexico's Gulf Coast.

VERACRUZ