

**UMKC Shootout in the Old West IV Tossups (Iowa State A)-
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(Literature)

1. The important theological debate over the poverty of Christ between the bishops and Franciscans was overshadowed by a minor one on the use of comedy in literature between blind Jorge and William of Baskerville. FTP, in which novel do William and Adso of Melk end up solving a series of monastic murders as chronicled by Umberto Eco?

Answer: The *Name of the Rose*

(Sports)

2. It moved from December to January in 1977 and then back in 1986, leading to two men's champions, Roscoe Tanner and Vitas Gerulaitis, in 1977, and interrupting Stefan Edberg's winning streak in 1986. FTP, what is this Grand Slam event played in Flinders Park, Melbourne?

Answer: Australian Open

(Science)

3. Pass charged particles through a velocity selector and let them enter a region of constant magnetic field perpendicular to their trajectory. They will travel in a circle; from their point of impact you can measure the radius of that circle and, by knowing their charge and the field, deduce their mass. FTP, what scientific device is thus described?

Answer: mass spectrometer

Accept: mass spectroscopy

(Fine Art)

4. A clock showing 12:42 and two candlesticks rest before a mirror on the mantle of a fireplace. Coming out of the empty fireplace is a small train engine, smoke billowing from its funnel. The train and the clock signify motion and elapse, but the painting's title emphasizes the static, captured moment. FTP, identify this René Magritte work.

Answer: *Time Transfixed*

(History)

5. The U.S. Navy's oil reserve was transferred from the Secretary of the Navy to the Secretary of the Interior, Ohio Gang member Albert Fall, who proceeded to siphon the Wyoming reserves into the Mammoth Oil Company. FTP, this was the meat of what scandal of the Harding presidency?

Answer: Teapot Dome Scandal

(Entertainment)

6. His next album, *Everything I Love*, includes the single "Buicks to the Moon." His last album, the double platinum *Who I Am*, included the song "Summertime Blues." FTP, name this country music artist best known for his 1992 single "Chattahoochee."

Answer: Alan Jackson

(Literature)

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7. He returned to Denmark for the coronation, but asked leave thereafter to return to France after cautioning his sister to beware her suitor's empty promises. He returned with a vengeance after his father, the Lord Chamberlain, was murdered. FTP, name this firebrand whose poisoned blade slew himself, his father's murderer, and King Claudius in *Hamlet*.

Answer: Laertes

(Current Events)

8. Pacific Corp. traded its holdings for cash and land elsewhere. Andalex, however, has decided not to comply with the stringent regulations governing mining in national monuments and will fight Clinton's recent decision to name 1.7 million acres of Utah as—FTP—what new national monument in September, 1996?

Answer: Grand Staircase-Escalante National Monument

(Geography)

9. It is fed by the Ubangi and the Kasai rivers and drains most of Zaïre. It flows into the Atlantic at Bome on the Zaïre-Angola border. Two national capitals sit on opposite banks near its mouth, Kinshasa and Brazzaville. FTP, identify this major river of Africa.

Answer: Congo

(Science)

10. If you sum the first n integers and get a perfect number, you know that n is itself a special type of number useful in cryptography and computer searches for ever-larger primes. FTP, what kind of number is it, named for a 17th century French priest, equal to two to the p minus one for some prime p ?

Answer: Mersenne Prime Prompt: Mersenne Number
Wrong: prime

(History)

11. She describes the American Revolution in the context of a centuries-long struggle between England and the Netherlands and paints the fourteenth century as similar to the twentieth in terms of despair and disaster. FTP, who is this historian who won Pulitzers for *The March of Folly* and *Stilwell: The American Experience in China*, perhaps best known *The Guns of August*?

Answer: Barbara W. Tuchman

HALFTIME

(Business/Tech)

12. Behind the Stone Age name lies weekly critiques of political ads, a monthly column by maverick economist Paul Krugman, a reader forum called "The Fray," and a roundtable of prominent thinkers. FTP, what is this interactive periodical produced by Microsoft which gave editor Michael Kinsley a hands-off guarantee?

Answer: Slate

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(Mythology/Religion)

13. His mother was destroyed when she asked Zeus to reveal himself in his full splendor after which he was raised by Nysaen nymphs on Naxos. He was abducted by pirates but forced them to return him to Naxos after turning several pirates into dolphins. FTP, who is this son of Zeus and Semele, the Greco-Roman god of wine?

Answer: Dionysos (Bacchus)

(Literature)

14. Ephraim dances with joy when his new wife bears a son who will become heir to his rocky, New England farm, but his young wife kills the son to prove her love for Ephraim's youngest son, Eben, by allowing him to inherit the farm. FTP, in which Eugene O'Neill play set beneath two towering trees, does the foregoing action occur?

Answer: Desire Under the Elms

(Science)

15. During human development, this cavity in the trunk is divided by the muscular diaphragm into an upper thoracic cavity and a lower abdominopelvic cavity. Collectively, the organs it houses are known as viscera. FTP, what is this cavity found in all metazoans above the worms?

Answer: coelum [SEE-lum]

(Current Events)

16. His chief of staff and finance commissioner, both males, live together, and he is pro-choice, but on fiscal issues he is conservative, having eliminated welfare for people with children and cut taxes 15 times to reduce a deficit left by Michael Dukakis. FTP, who is this governor of Massachusetts racing John Kerry for the U.S. Senate?

Answer: William Weld

(Sports)

17. Beginners learn Kitcho-Ilbo, the first form, and then progress to the eight Pal-Gwe [PAL GWAY] and Tae-Guk [TIE-GOOCK] forms on their way to a black belt. FTP, what is this martial art of Korea?

Answer: Tae Kwon Do [TIE-KWAHN-DOH]

(Entertainment)

18. Fiends crouch like dogs and leap forward to eviscerate you. Shamblers smash you with lightning bolts called from nowhere. Ogres drag chainsaws on the ground and fire grenades at you. Chthon rules them all and hurls chunks of lava at you. FTP, in which new computer game from id Software do all of these villains appear?

Answer: Quake

(History)

19. In May 1990 it renounced violence for "ideological battle," a far cry from the tenets of founder Abimael Guzmán, a professor at Ayachuco University who advocated bombings and assassinations directed toward state-owned corporations and the APRA.

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FTP, what is this Maoist group fed on angry men who left Andean villages for Lima seeking prosperity?

Answer: The Shining Path (Sendero Luminoso)

(Science)

20. Start with an ideal gas. Let it expand isothermally and then isentropically. Compress it isothermally, and then isentropically to the same state in which it began. You've now extracted the maximum work possible from the gas relative to the energy you added. FTP, through which thermodynamic cycle have you taken the gas?

Answer: Carnot cycle

(Fine Art)

21. She described the great pain of an angel piercing her heart with a flaming golden arrow to be so great that she screamed aloud but to be of such infinite sweetness that she wished it could last forever. FTP, who was this great saint of the Counter Reformation whose ecstasy was forever immortalized by Gianlorenzo Bernini in 1645-1652?

Answer: Saint Theresa

(Literature)

22. She and her sister Ismene agree that it isn't right for one of their brothers to rot on the battlefield while the other is buried, but Ismene is too afraid to cross Creon to help. She steals out at night to bury her brother who led the seven against Thebes, but is caught and executed. FTP, who is this heroine and daughter of Oedipus?

Answer: Antigone

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Extras

(History)

13. He was made king by Ahijah who gave him 10 pieces of cloth from his cloak representing ten tribes of Israel to be taken from Solomon; after this he rebelled, but had to flee to Egypt, only returning to take control of Israel during the reign of Rehoboam in Judah. FTP, who is this Israelite king, punished by God for idolatry?

Answer: Jeroboam

(Entertainment)

23. Paul Simon sought him out because a vision, softly creeping, left its seeds while he was sleeping, seeds which became a vision after being planted in his brain. FTP, who is this unenlightened "old friend" mentioned in the first line of "The Sound of Silence"?

Answer: darkness

Prompt: "The Sound of Silence"

(History)

25. Supposedly Huitzilopochtli told his citiless people to travel until they came to a cactus with an eagle eating a serpent nearby. After 100 years of wandering, his people found the place, named it "the place of the cactus," and began to build. FTP, what name is given to this site on Lake Texcoco which became the seat of the Aztec Empire and, later, the state of Mexico?

Answer: Tenochtitlan

Accept: Mexico City

(Literature)

27. Her eyes were entitled to 1,000 years of praising, her breasts, 200 each, and the rest of her, 30,000 years, but because "time's wingéd chariot" could always be heard, her lover wanted to sport immediately "like amorous birds of prey" and let their love "like a vegetable empire grow" as if they "had world enough and time?"

Answer: his coy mistress (Andrew Marvell's coy mistress)

(Science)

29. They are high frequency, short wavelength, transverse waves which radiate in all directions from the focus but do not penetrate the liquid core of the earth. FTP, what single letter designation is given to these waves which, upon reflection, can turn into P-waves?

Answer: S-waves

(Fine Art)

32. Set on Cattfish Row in Charleston, it tells of the murder of Robbins by Crown, and then of Crown by one of the title characters. While he's in jail, Sportin' Life lures the other title character away to New York with heroin leaving the crippled hero to pursue them in his goat cart. FTP, in which Gershwin opera centered on black life does this occur?

Answer: Porgy and Bess

Prompt: Dubose and Dorothy Heyward's Porgy before "lures"

(History)

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33. He was dismissed in 1643, two months after the death of his rival Richelieu. He called for centralization of the monarchy along French lines, a national bank, and reduction in court expenditures. His reforms failed because Catalan and Aragon opposed this Castilianization of Spain. FTP, who was this chief minister of Philip IV?

Answer: Gaspar de Guzmán (count-duke of Olivares)

(Social Science)

2. It begins with a metaphysics admitting only one substance "God or Nature" since nothing finite was self-subsistent. It goes on to the psychology of the passions and then builds an ethic based on the previous sections. FTP, what is this work in the style of Euclid including "Of Human Bondage," written by Baruch Spinoza?

Answer: Ethics

(Science)

3. The internal core breaks the Chandrasekhar limit and collapses to the limit allowed by the Pauli Exclusion Principle; further infalling material is violently ejected causing violent explosions in the outer layers of the star which are blown away leaving only a neutron star. FTP, what are these events, one of which was observed in 1987?

Answer: Type II Supernova

(Current Events)

5. It has two major political factions, the Patriotic Union led by Jalal Talabani and the Democratic Party led by Massoud Barzani. Talabani accepted arms from Iran, Barzani from Iraq, in order to control the city of Erbil. FTP, what is the ethonographic region which led to September, 1996, U.S. missile strikes against Iraq?

Answer: Kurdistan

Prompt: Kurds

(Fine Art)

8. His Turku Sanomat newspaper building was based on the "five points of a new architecture," while the Viipuri library featured undulating wooden roofs filled with skylights. He shifted later toward a use of materials and traditions local to Finland as in his Villa Mairea (1938). FTP, identify this alphabetically first Finnish architect.

Answer: Alvar Aalto

(Literature)

20. He was discharged for patent idiocy, but tells everyone he is not a fool. He speaks mostly in double-talk, agreeing with whomever he is conversing. He makes apparent efforts to get to the front, but impedes this with his actions. He is educated, but often appears stupid. FTP, who is this Czech soldier of WWI created by Jaroslav Hasek?

Answer: Josef Schweik (the good soldier Schweik)

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30 PB (History)

1. Answer the following questions about the death of Martin Luther King, Jr. for ten points apiece.

a. A strike of what group of workers brought him to Memphis in that fateful April?

Answer: sanitation workers (garbagemen)

b. What massive disruptive-but-not-destructive act of Civil Disobedience was King consumed in planning when he was killed?

Answer: The Poor People's March on Washington

c. Which friend and advisor took over the Poor People's March after King's death?

Answer: Ralph Abernathy

20 PB (Geography)

2. Given the Asian mountain range, identify the country in which most of it is located for ten points apiece.

a. Altay Mountains

Answer: Mongolia

b. Zagros Mountains

Answer: Iran

30 PB (Science)

3. Given the description of a quark, identify it for fifteen points apiece.

a. Considering the electron and proton of a hydrogen atom, of which quark is there a majority?

Answer: up

b. Which quark, along with its anti-quark, comprise a J/Psi particle or resonance?

Answer: charm (anti-charm)

20 PB (Entertainment)

4. Identify the following Bond villains from a brief description for ten points apiece.

a. This henchman who wore a razor-blade banded hat was electrocuted below Fort Knox.

Answer: Oddjob

b. This man had to steal a shuttle from the U.S. Government to take all his racial progenitors to his space station before gassing the earth.

Answer: Sir Hugo Drax

30 PB (Literature)

5. Given two characters, identify the 20th century American drama for ten points apiece.

- a. Giles Corey and Tituba Answer: The *Crucible*
b. Mr. Zuss and Mr. Nickles Answer: J.B.
c. George Milton and Lenny Small Answer: *Of Mice and Men*

20 PB (Sports)

6. Identify the following stellar athletes from the 1924 Olympic games in Paris for ten points apiece.

- a. This man, known as the "Flying Finn," ran to five gold medals.

Answer: Paavo Nurmi

- b. This swimmer, who later portrayed Tarzan, swam to three gold medals.

Answer: Johnny Weissmuller

25 PB (Current Events)

7. Answer the following questions about a recent Supreme court case for the given number of points.

- a. For 15 points, what case, decided in May of 1996, struck down a Colorado constitutional amendment that barred anti-discrimination legislation against homosexuals?

Answer: *Romer v. Evans*

b. Now, for 10 points, to which 1896 case did Justice Kennedy refer when he wrote that the "constitution neither knows nor tolerates classes among citizens?"

Answer: *Plessy v. Ferguson*

30 PB (Fine Art)

8. Given the title of a movement, identify the following pieces of classical music for ten points apiece.

- a. "The Great Gate of Kiev" Answer: *Pictures at an Exhibition*

b. "Awakening of Cheerful Feelings upon Arrival in the Country"
Answer: Ludwig van Beethoven's Sixth Symphony (*Pastoral* Symphony)

- c. "Pianists" and "Fossils" Answer: *Carnival of the Animals* (*Le carnaval des animaux*)

30 PB (Science)

9. Recent finds of dinosaur fossils in Africa have forced a rethinking of the time scale on which the separation of Pangaea occurred.

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a. FTP, in which country's Kem kem wilderness were the finds made?

Answer: Kingdom of Morocco

b. Name the two subcontinents produced when Pangaea fractured.

Answer: Laurasia and Gondwanaland

20 PB (Social Science)

10. Identify the following quantities from economics for ten points apiece.

a. This quantity, measured in dollars, is the area to the left of the demand curve and above the price line.

Answer: consumer surplus

b. For two related quantities, this is the quotient of their derivative to their ratio.

Answer: elasticity

30 PB (Literature)

11. Given the Sherlock Holmes novel or short story, identify the large group to which the villains belong for 15 points apiece.

a. *A Study in Scarlet*

Answer: Mormon Church

Accept: Church of the Latter-
Day Saints

b. *The Five Orange Pips*

Answer: Ku Klux Klan (KKK)

30 PB (Sports)

12. Given the famous race, give its length within 20% for ten points apiece.

a. Tour de France

Answer: 2,474 miles (1,979 to 2,969)

b. Iditarod

Answer: 1,159 miles (927 to 1,391)

c. Le Mans

Answer: 2,906.8 miles (2,325 to 3,489)

30 PB (History)

13. Given the year and the party, identify its candidate for the presidency for ten points apiece.

a. 1844, Whig

Answer: Henry Clay

b. 1808, Democratic-Republican

Answer: James Madison

c. 1884, Republican

Answer: James G. Blaine

25 PB (Fine Art)

14. The *Arnolfini Marriage*, *The Maids of Honor*, both or neither? I'll name an element of a painting, you tell me whether it appears in the *Arnolfini Marriage*, the *Maids of Honor*, both, or neither. Five points will be awarded for each correct answer with a ten point bonus for answering all three parts correctly.

a. dog

Answer: both

b. the painter

Answer: both

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c. a window

Answer: *The Arnolfini Marriage*

30 PB (Current Events)

15. Identify the following women in positions of political power in southeast Asia for fifteen points apiece.

a. This prime minister of Sri Lanka has directed the stepped-up military campaign of 1995-1996 to defeat the Tamil Tigers.

Answer: Chandrika Bandaranaike Kumaratunga

b. This Nobel peace prize winner was under house arrest since 1990 following her espousal of the democratic doctrines of her assassinated father.

Answer: Daw Aung San Suu Kyi

30 PB (Science)

16. Answer the following questions about Grignard synthesis for ten points apiece.

a. What metal's ions are mixed with an alkyl halide to make Grignard reagents?

Answer: magnesium

b. With what class of compounds should a Grignard reagent be reacted to form a tertiary alcohol?

Answer: ketone

c. With what class of compounds should a Grignard reagent be reacted to form a secondary alcohol?

Answer: aldehyde

25 PB (History)

17. Given the ruler each overthrew, identify the following African despots for ten points apiece. You will receive a five point bonus for answering both parts correctly.

a. King Idris I

Answer: Muammar al-Qadhafi

b. President Milton Obote

Answer: Idi Amin Dada

30 PB (Entertainment)

18. Given the skill or statistic from 2nd Edition Advanced Dungeons and Dragons, identify the attribute on which it was based for ten points apiece.

a. horse riding

Answer: wisdom

b. armor class bonus

Answer: dexterity

c. survive system shock

Answer: constitution

30 PB (Literature)

19. Given the setting of a poem, identify it for ten points apiece.

a. "It was many and many a year ago, / In a kingdom by the sea"

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Answer: Annabel Lee

b. By a still hearth, among barren crags, the hero matched with an aged wife.

Answer: Ulysses

c. "The curfew tolls the knell of parting day, / The lowing herd wind slowly o'er the lea,"

Answer: Elegy Written in a Country Churchyard

30 PB (Current Events)

20. In late August 1996, controversy ensued over the friendly visit of a prominent American Senator to an African despot who has jailed his country's legal president and 7,000 other political opponents.

a. First, for ten points each, name the dictator and the senator.

Answer: General Sani Abacha and Senator Carol Moseley-Braun

b. Second, for five points apiece, of which country is Abacha the dictator and of which state is Moseley-Braun a senator?

Answer: Nigeria and Illinois

30 PB (Literature)

21. Identify each of the following mythological works for fifteen points apiece.

a. The Sanskrit epic details the history of the Pandava brothers and includes enormous battle between them and their kinfolk.

Answer: Mahabharata

b. This earliest surviving Japanese book provides a heavily Chinese-influenced history and mythology of Japan until 628 CE.

Answer: Kojiki

Accept: Records of Ancient Matters

30 PB (Science)

22. Answer the following questions about the theory of inheritance of acquired characteristics for ten points apiece.

a. The theory was popularized and extensively developed by this French scientist around the beginning of the 19th century.

Answer: Jean-Baptiste Lamarck

b. Darwin's biological mechanism of inheritance (using gemmules) was quite compatible with inheritance of acquired characteristics. What name was given to this theory?

Answer: pangenesis

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c. This post-Darwinian argued endlessly against inheritance of acquired characteristics and gave his name to a theory in which "genetic" inheritance was the sole mechanism. He's most famous for experiments involving the cutting off of tails of rats.

Answer: August Weismann

Extras

30 PB (Science)

22. Given the biological molecule that includes a metal ion complex, identify the metal ion for ten points apiece.

- a. cytochrome Answer: copper
- b. hemoglobin Answer: iron
- c. nitrogenase Answer: molybdenum

30 PB (History)

3. Answer the following questions about the Taiping rebellion for ten points apiece.

a. To which religion did they ascribe?

Answer: Christianity

b. In which Chinese city did they establish their capital?

Answer: Nanking

c. Within five years, when did the rebellion officially begin?

Answer: 1851 (1846-1856)

30 PB (Literature)

4. Identify each of the following Henrik Ibsen heroines for ten points apiece.

a. She borrows money to save her husband's health, but opens herself to blackmail thereby.

Answer: Nora Helmer

b. She helps destroy the scholarly book that was to be her one-time lover's salvation, leading them to both commit suicide.

Answer: Hedda Gabler

c. She is transfixed by an old relationship with a sailor and is sorely put upon to choose between him and her loving husband when he returns.

Answer: Ellida Wangel

Accept: The Lady from the Sea

30 PB (Fine Art)

22. Identify the following types of stylized Western statuary for ten points apiece.

a. A sculpted female figure used as an architectural support.

Answer: caryatid

b. A recumbent statue on a tomb.

Answer: gisant

c. A depiction of the Madonna grieving over her dead son.

Answer: pietà

30 PB (History)

23. Given the year and the defeated enemy, name the commander of the victorious side at a battle of Poitiers.

a. 507, the Visigoths

Answer: Clovis I of the Merovingians

b. 732, the Muslims

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Answer: Charles Martel of the Carolingians

c. 1356, the French

Answer: Edward the Black Prince

30 PB (Business/Technology)

16. Evaluate the following C expressions for ten points apiece.

a. $2==2$

Answer: 1

b. $2<<3$

Answer: 16

c. 7 & 5

Answer: 5

30 PB (History)

29. Identify the following organs of Athenian government from brief descriptions for ten points apiece.

a. The oligarchy of ten officials set up by Lysander after the Peloponnesian War.

Answer: Decarchy

b. The Assembly of citizens.

Answer: Ecclesia

c. The aristocratic Athenian Council which consisted of ex-archons.

Answer: Areopagus

30 PB (Science)

31. Consider three 1-ohm resistors connected in parallel to a 6-volt cell. Answer the following questions for ten points apiece.

a. If an ammeter is connected in series directly following one of the resistors, what will it read?

Answer: 6 amperes

b. If a voltmeter is connected in series directly following one of the resistors, what will it read?

Answer: 6 volts

c. What is the equivalent resistance of the three resistors in parallel?

Answer: 1/3 ohms

30 PB (Literature)

1. Given the geographical location of Middle Earth, identify the villain that lived there for ten points apiece.

a. Cirith Ungol

Answer: Shelob

Wrong: Ungoliant

b. Lonely Mountain

Answer: Smaug

c. Orthanc

Answer: Saruman the White (Curunír)

Accept: Wormtongue

Extra Part of Question 2

c. Kunlun Mountains

Answer: People's Republic of China

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Accept: Zhonghua Renmin Gonghe Guo

Extra Part of Question 3

c. Which quark has the smallest rest mass?

Answer: up (anti-up)

Extra Part of Question 4

b. This product of Nazi eugenics planned to destroy Silicon Valley.

Answer: Max Zorn

Extra Part of Question 6

b. This British runner, who inspired *Chariots of Fire*, won the 100-meter dash.

Answer: Harold Abrahams

Extra Part of Question 7

c. With which 1986 case concerning state sodomy laws, does the *Romer* decision seem slightly contradictory?

Answer: Bowers v. Hardwick

Extra Part of Question 9

c. The scientists suggest a new figure for the time elapsed since the complete separation of the subcontinents; within 10 million years, what figure do they give?

Answer: 100 million years

Extra Part of Question 10

c. This is the first derivative with respect to quantity of the total cost function for a producer.

Answer: marginal cost

Extra Part of Question 11

a. *The Valley of Fear*

Answer: Freemasons

Extra Part of Question 15

b. This daughter of ex-President Sukarno is stirring up democratic sentiment against despot Suharto in September, 1996 in Indonesia.

Answer: Megawati Sukarnoputri

Extra Part of Question 17

c. President David Dacko

Answer: Jean-Bedel Bokassa

Extra Part of Question 21

c. This collection of Welsh tales featuring Pwyll, Taliesin, and Sir Geraint was untranslated until the end of the 19th century.

Answer: Mabinogion