

*2000 Michigan MLK Memorial  
Questions by Kentucky  
Written by Kelly McKenzie*

**TOSSUPS**

1.

In search of intellectual fulfillment, the protagonist of this novel contemplates joining the "Thanatopsis" Literary Club and plans to begin an affair with the intellectual Erik Valborg. Then, the former Carol Milford goes to Washington, DC, to work as a clerk during WWI, but soon returns to her husband, Dr. Will Kennicott, and attempts to adjust to life in Gopher Prairie, Minnesota. FTP, name this novel by Sinclair Lewis.

Answer: Main Street

2.

Invented by Mikhail Tsvet, the sample to be analyzed is injected into the moving phase and is absorbed by the stationary phase at different rates, resulting in separation of the sample. Specific versions include gel-filtration, thin-layer, and gas-liquid. FTP, what is this technique, named for the colored bands that appeared in Tsvet's experiments.

Answer: chromatography (accept early answer of specific version)

3.

This city's earliest buildings include the House of the Dark Writing and the House of the Deer, and was founded in the 6th century around two large wells, from which it derives its name. In the 10th century, it was invaded by foreigners who were responsible for the construction of its great pyramid and its ball court. FTP, name this Mayan city of the Yucatan made famous by the archeological explorations of Edward Thomson.

Answer: Chichen Itza

4.

Features of this work are its persistent lyrics exulting eternity and its instructions to exonerate the soul by making statements like "I did not steal." More accurately entitled "The Coming Forth By Day", its popular title was given it by Richard Lepsius, and it includes the Pyramid Texts, Coffin Texts, and the Hymn to Ra. FTP, name this Egyptian religious work which was placed in tombs to guide the deceased in the afterlife.

Answer: The Book of the Dead (accept early answer of The Coming Forth By Day)

5.

This politician is currently serving as the non-resident ambassador to Samoa, in addition to the post for which she was confirmed by a recent 96-2 Senate vote. The two dissenting voters, who raised ethical questions concerning campaign finances and visits to Nigerian dictator Sani Abacha, were Jesse Helms and Peter Fitzgerald, the latter of which defeated her in 1998's Illinois Senate elections. FTP, name this former Illinois senator and new ambassador to New Zealand.

Answer: Carol Moseley-Braun

6.

The formation of this river's Buzan tributary marks the beginning of its delta, while the main tributary is the Akhtuba. It begins as a small stream in the Valdai Hills and flows first east and then south, joining the Oka and Kama rivers before emptying into the Caspian Sea. FTP, name this west Russian river whose length of 2,193 miles makes it Europe's longest.

Answer: Volga (or Ra or Itil)

7.

This author, in early plays like "Baal" and "A Man Is a Man," developed drama as an ideological forum, culminating in plays like "The Private Life of the Master Race," "The Caucasian Chalk Circle", and "The Good Woman of Setzuan". FTP, name this German author of "Mother Courage

and Her Children" who collaborated with Kurt Weill on "The Threepenny Opera".

Answer: Bertold Brecht

8.

In this device, typically, the wire is encased in a glass container surrounded by an external cathode and holding an inert gas mixed with organic vapor; when the atoms of the gas experience collisions with charged particles, the electrons produced are drawn to the central wire, creating electrical impulses which are counted by an electromagnetic register or as clicks in a loudspeaker. FTP, name this detector of ionizing radiation.

Answer: Geiger-Muller counter

9.

Occurring near Chadds Ford, this battle saw Howe's 15,000 troops meet Washington's Continental Army of 11,000. Despite Howe's victory in the battle, Washington's army was not destroyed, and the large Tory population in Philadelphia, just 25 miles away, did not rise up to join Howe's forces as he had hoped they would. FTP, identify this battle of September 11, 1777 named for the creek near which it was fought.

Answer: Battle of the Brandywine

10.

This artist of "Burial of St. Lucy," "Seven Acts of Mercy," and "Madonna dei Palafrenieri" rose to fame with a series of paintings of St. Matthew for the Contarelli Chapel. Often criticized for his naturalism and use of peasant models, this Baroque artist is famous for his striking use of chiaroscuro. FTP, name this Italian artist of "Death of the Virgin" and "Supper at Emmaus".

Answer: Caravaggio (or Michelangelo Merisi)

11.

Among this program's characters are the protagonist's catatonic father Guy, Geoffrey Jellineck, Chuck Noblet, and Southpoint High School Principal Blackman. It focuses on Jerri Blank, who, after running away from home and spending three decades on the streets, returns to high school. FTP, name this parody of after-school specials currently seen on Comedy Central.

Answer: Strangers With Candy

12.

When Margaret Sanger fled to England in 1914, she began an affair with this psychologist, who encouraged her to focus her efforts on birth control. He coined the terms "narcissistic" and "autoerotic," championed what he called the "love-rights of women" in *On Life and Sex*, and created scandal with his treatment of sexuality in works like *The Dance of Life* and *Man and Woman*. FTP, name this author of *Studies in the Psychology of Sex*.

Answer: Havelock Ellis

13.

One night Sir Leoline's daughter is praying in the woods when she discovers a woman in distress claiming to be Roland's daughter. When she discovers Geraldine is in fact a supernatural creature she tries to warn her father, but he ignores her, informs Roland and asks to be reconciled. FTP, name this unfinished gothic ballad by Samuel Taylor Coleridge.

Answer: Christabel

14.

This scientist's name is given to a theoretical self-reproducing automaton. He designed MANIAC-1, the first flexible storage programmable computer, authored *The Mathematical Foundations of Quantum Mechanics*, and showed the equivalence of matrix mechanics and wave mechanics. FTP, name this Hungarian scientist who, with Oskar Morgenstern, laid the foundations for modern game theory.

Answer: John (Johann) Von Neumann

15.

After divorcing Emily Norton, he forces his second wife to become an opera singer. After she tried to kill herself this owner of *The Inquirer* built her a castle in Florida called Xanadu, but she soon left him. On his death, the reporter Thompson is dispatched to discover the meaning of his last words. FTP, name this cinematic character portrayed by Orson Wells.

Answer: Charles Foster Kane (or Citizen Kane)

16.

The highest points in these mountains are in the Boston sub-range and at Taum Sauk Mountain, and the region is drained by the White, Black, and Osage rivers. Heavily forested, their name is probably a corruption of the name of an 18<sup>th</sup> century French trading post. FTP, name these mountains running between St. Louis and the Arkansas River.

Answer: Ozark Mountains

17.

This chemical property is particularly prevalent in elements of groups 14, 15, and 16 of the periodic table. When it results in reversible interconvertability at certain temperatures and pressures it is called enantiotropy, and it usually occurs because of different crystal structures in the solid. FTP, name this chemical property, the existence of elements in two or more different forms.

Answer: allotropy (prompt on enantiotropy)

18.

Four members of the Tunis-based faction of the Palestine Liberation Front were tried and convicted on charges of illegal possession of arms in November 1985, one month after this event. Attempting to force the release of 50 jailed Palestinians, they initially claimed that no one had been harmed, but threatened to kill the 180 passengers on board. FTP name the terrorist incident, leading to the death of Leon Klinghoffer aboard this hijacked Italian cruise liner.

Answer: Achille Lauro

19.

The action of this opera begins with the execution of the Prince of Persia, during which an unknown prince falls in love with the title character. Despite the exhortations of the ministers Ping, Pang, and Pong, and the prince's father Timur, Calaf wagers his life that he can answer three questions posed by the daughter of the emperor of China, who has sworn to take revenge upon the race of men. FTP, name this unfinished opera by Puccini.

Answer: Turandot

20.

He is known to keep a gun in his room, and goes on to form the band Evil Petting Zoo. The son of Frau Farbissina, he spends much of his time on-screen trying to get a word in while being shushed or told to zip-it. FTP, name this son of Dr. Evil, portrayed by Seth Green in the *Austin Powers* movies.

Answer: Scott Evil

21.

This economic model does not hold during years of unusually large and rapid increases in import prices or when higher production costs and consumer prices offset higher revenues. In the 1970s, it was amended to create the expectations-augmented version, and was originally described in a 1958 article that examined data from the United Kingdom from 1861 to 1957. FTP, name this curve which plots the relationship between the rate of unemployment and the rate of change of money wages.

Answer: Phillips curve

22.

Although their 1852 presidential candidate, John P. Hale, only received 5% of the popular vote,

they wielded considerable power in the House during the early 1850s; however, they were absorbed into the Republican Party just 6 years after they nominated Martin Van Buren for president. FTP, name this party that opposed the expansion of slavery into the western territories.

Answer: Free-Soil Party

23.

Author of "Defense of Usury" and "The Rationale of Punishment", he attacked William Blackstone in his first work, "A Fragment On Government", and penned 1789's "An Introduction to the Principles of Morals and Legislation", in which he defined the principle of utility. FTP, name this champion of utilitarianism whose body is now kept in a glass case in University College, London.

Answer: Jeremy Bentham

24.

This woman originally trained as an opera singer, but instead turned to acting and appeared as Eunice Burns in *What's Up Doc*. She won the 1993 Best Actress Tony for her performance as Gorgeous Teitlebaum in *The Sisters Rosensweig*, and was nominated for Oscars for her roles as Trixie Delight in *Paper Moon* and as Lili Von Shtupp in *Blazing Saddles*. FTP, name this actress who in December 1999 died of ovarian cancer.

Answer: Madeline Kahn

25.

They are sometimes called disir, and were sometimes associated with midwifery due to their frequent attendance at births. Depicted as living by Yggdrasill, which they water, and corresponding to the Greek Moirai, they are often identified as Skuld, Verdandi, and Urd. FTP, name these supernatural beings frequently described as three maidens who spin the fate of humanity.

Answer: Norns

26.

This man wrote sixteen original plays, most notably "The Clandestine Marriage" in collaboration with George Colman the Elder. Manager of the Drury Lane theater, he is remembered today for the natural acting style seen in his portrayals of Sir John Brute in *The Provoked Wife* and Kiteley in *Every Man in His Humour*. FTP, name this versatile actor immortalized in a famous Hogarth painting, famous for his work as Hamlet, Lear, and Richard III.

Answer: David Garrick

27.

While studying under Weierstrass, she wrote an important paper on Saturn's rings, and when she won the Borodin Prize for a paper on the motion of rigid bodies, the prize money was doubled in recognition of the paper's brilliance. FTP, name this Russian mathematician whose expertise in differential equations made her the first female mathematician since Agnesi to gain a teaching post at a European University.

Answer: Sofya Kovalevskaya (or Kovalevsky)

28.

He helped co-ordinate the Berlin Airlift in 1948, and later took over the Strategic Air Command, and made it into one of the most efficient fighting units in the world. His career fell on tough times during the McNamara years at the Pentagon, where he argued against "flexible response" and U.S. involvement in Vietnam and then saw several of his pet projects rejected or redirected. This led to his retirement in 1965 and his selection as George Wallace's running mate in 1968. FTP- Name this general nicknamed the "Iron Eagle."

Answer: Curtis E. LeMay

### Bonuses

1.

5-10-15, name these important ships in 20th century history.

(5) On May 7, 1915, this British passenger liner was sunk by the Germans.

Answer: Lusitania

(10) In 1968, North Korea seized this US spy ship which had been in neutral territory,.

Answer: U.S.S. Pueblo

(15) Germany instigated the Second Moroccan crisis when this gunboat sailed into the port of Agadir.

Answer: the Panther

2.

FTPE, name these major waterways of France.

(10) This river, the longest in France, rises in the Massif Central.

Answer: Loire

(10) This 485-mile river, the second longest in France, rises 18 miles northwest of Dijon and flows northwesterly through Paris.

Answer: Seine

(10) This 326-mile river of northern France rises on the Langres Plateau and flows in a roughly counterclockwise arc until joining the Seine as Charenton.

Answer: Marne

3.

In 1902, a group called Photo-Secession was formed to established photography as a fine art. FTPE, name these founders of the Photo-Secession.

(15) Founder, with Stieglitz, of "291", this photographer directed the photo department of the Museum of Modern Art from 1947-62.

Answer: Edward Steichen

(15) This naturalized British citizen is best known for his "vortographs," which are often cited as the first completely abstract photographs.

Answer: Alvin Coburn

5.

Answer the following about a class of subatomic particles, 5-10-15.

(10) Members of this group of subatomic particles are characterized by odd half-integral angular momentum.

Answer: fermions

(10) Fermions are named for this set of statistics that correctly describe their behavior.

Answer: Fermi-Dirac statistics

(10) Fermi-Dirac statistics apply only to particles that obey this principle, which asserts that no two electrons in an atom can be in the same configuration at the same time.

Answer: Pauli Exclusion Principle

6.

FTPE, name the Keats poems from which the following lines come.

(10) "Much I have traveled in the realms of gold, and many goodly states and kingdoms seen."

Answer: "On First Looking Into Chapman's Homer"

(10) "A thing of beauty is a joy forever."

Answer: "Endymion"

(10) Heard melodies are sweet, but those unheard are sweeter. Therefore, ye soft pipes, play on."

Answer: "Ode on a Grecian Urn"

7.

Answer the following from the life of "Mad" Anthony Wayne, FTPE.

(10) Wayne gained his nickname in this July 6, 1779 battle when his forces, using unloaded muskets armed only with bayonets, stormed Henry Johnson's fortifications.

Answer: Stony Point

(10) After years as a civilian, Wayne returned to the military and led 2,400 troops to victory against 1,500 Indians and 60 Canadians in this August 20, 1794.

Answer: Fallen Timbers

(10) After Fallen Timbers and Wayne's occupation of Forts Defiance and Recovery, he was able to force the Indians of the Northwest Territory to sign this 1795 treaty, which forced the surrender of 2/3 of Ohio to the US.

Answer: First Treaty of Greenville

8.

FTSNOP, answer the following about similarly titled works from literature and the arts.

(5) La Gioconda is the official name for this da Vinci portrait.

Answer: Mona Lisa

(10) La Gioconda is also the name of an 1898 drama by this Italian author of *The Flame of Life*.

Answer: Gabriele D'Annunzio

(15) The 1876 opera *La Gioconda* was the biggest hit of this composer.

Answer: Amilcare Ponchielli

9.

FTSNOP, name these people important in the life of David.

(10) David was the youngest son of this man.

Answer: Jesse

(5) While Saul was still on the throne of Israel, David was anointed king by this prophet, for whom two books of the Bible are named.

Answer: Samuel

(5) After succeeding Saul as king, David fell in love with this woman, who would eventually give birth to Solomon.

Answer: Bathsheba

(10) Unfortunately for David, Bathsheba was married to this man, the captain of David's armies.

Answer: Uriah the Hittite



11.

FTPE, name these genetic diseases.

- (10) This inherited, incurable neurological disorder's early symptoms include memory problems and lack of muscular coordination, with mental and physical functions declining until the patient becomes incapacitated.

Answer: Huntington's Disease

- (10) This disease begins in infancy or childhood and causes abnormal gland secretions, often accompanied by chronic lung disease and malnutrition.

Answer: cystic fibrosis

- (10) This condition is caused by the presence of an extra copy of chromosome 21 and results in mental retardation.

Answer: Down's syndrome

12.

FTSNOP, identify the following concerning a 19th century play.

- (10) The title character of this play has series of adventures, which include an encounter with the Button Molder, he finally returns to Norway as a disillusioned old man.

Answer: Peer Gynt

- (5) Name the author of *Peer Gynt*.

Answer: Henrik Ibsen

- (15) Upon his return to Norway, Peer Gynt is met by this woman, who had fallen in love with him earlier in life and had faithfully awaited his return.

Answer: Solveig

13.

FTSNOP, name these battles of the Napoleonic Wars.

- (10) This narrow French victory over the Austrians on June 14, 1800 enabled Napoleon to reestablish the Cisalpine Republic and assert his political authority in France.

Answer: Marengo

- (10/10) These two battles were fought on October 14, 1806, between two French armies under Napoleon and Louis Davout, and the combined Prussian-Saxon forces.

Answer: Jena, Auerstadt

14.

FTPE, name these important Supreme Court decisions concerning schools and religion.

- (10) This 1943 ruling overturned *Minersville v. Gobitis* and held that the First Amendment protected the right of school children to abstain from saluting the US flag for religious reasons.

Answer: West Virginia State Board of Education v. Barnette

- (10) This 1961 decision held that public school officials couldn't lead students in repeating a non-denominational, state-authored prayer.

Answer: Engel v. Vitale

- (10) This 1971 ruling stated that states may aid religious schools if such aid satisfies three First Amendment tests.

Answer: Lemon v. Kurtzman

15.

FTPE, name these films directed by Akira Kurosawa.

- (10) A 12th century bandit, played by Toshiro Mifune, is accused of rape and murder. Four versions of the story are recounted.

Answer: Rashomon

- (10) This is his 1985 adaptation of *King Lear*.

Answer: Ran

- (10) This contemporary drama centers on a civil servant, played by Takashi Shimura, who, after learning that he has cancer, makes something of his final days by building a playground in a slum.

Answer: Ikiru (or To Live or Doomed to Live)

16.

FTPE, name the current Secretaries of these government departments.

- (10) Interior

Answer: Bruce Babbitt

- (10) Agriculture

Answer: Dan Glickman

- (10) Treasury

Answer: Lawrence Summers

17.

FTSNOP, identify these scientists involved in an early 1950s experiment which attempted to recreate the formation of life on Earth.

- (10) While working on his PhD, this chemist added an electrical discharge to water that produced organic compounds.

Answer: Stanley Miller

- (5) Miller's work was inspired by this chemist, under whom he was working for his PhD.

Answer: Harold Urey

- (15) The theories used by Miller and Urey were first formulated by this Russian, who proposed that life began on Earth through a primordial soup of biomolecules.

Answer: Alexander Oparin

18.

FTPE, name these characters from *One Flew over the Cuckoo's Nest*.

- (10) This gambler has himself committed to the mental institution and immediately attempts to gain control of the asylum.

Answer: Randle Patric McMurphy

- (10) McMurphy's antics cause conflict with this woman who runs the ward.

Answer: Big Nurse or Miss Ratched

- (10) The narrator of the novel, this patient suffocates McMurphy with a pillow.

Answer: Chief Bromden



19.

FTPE, name these WWII conferences.

- (10) At this January 1943 meeting between Roosevelt and Churchill, it was decided to insist upon the "unconditional surrender" of Axis Powers.

Answer: Casablanca

- (10) This November 28-December 1, 1943 conference focused on coordination of Allied landings in France with the Soviet offensive against Germany and Soviet entry into war against Japan.

Answer: Tehran

- (10) Held from February 4-11, 1945, this conference decided the partition of Germany, the Russo-Turkish borders, and establishment of the UN.

Answer: Yalta

20.

Given two landmasses, name the strait that runs between them, FTPE.

- (10) Australia, Tasmania

Answer: Bass Strait

- (10) India, Sri Lanka

Answer: Palk Strait

- (10) Mainland Italy, Sicily

Answer: Strait of Messina

21.

According to Greek myth, Zeus once sent a great flood to Thessaly. FTPE, name the following.

- (10) This king of Phthia and son of Prometheus and Clymene built a ship to save himself and his wife.

Answer: Deucalion

- (10) Deucalion's ship finally came to rest on this mountain, whose two summits are consecrated to Apollo and Dionysus.

Answer: Parnassus

- (10) To restore the human race, Deucalion and this woman, his wife, threw stones.

Answer: Pyrrha

22.

Name the band from songs, 30-20-10.

- (30) Wrapping Paper, Deserted Cities of the Heart

- (20) I Feel Free, Tales of Brave Ulysses

- (10) White Room, Sunshine of Your Love

Answer: Cream

25.

FTPE, name these Nobel Prize winning economists from their achievements.

- (10) This economist developed the input-output method of economic analysis.

Answer: Wassily Leontief

- (10) This economist is generally credited with having developed the concept of Gross National Product in his work "National Income and Its Composition, 1919 to 1938".

Answer: Simon Kuznets

- (10) He was specifically acknowledge for his contributions to welfare economics and social choice theory, but is best known for his work on the political causes of famines.

Answer: Amartya Sen

26.

FTSNOP, name these composers.

- (10) This pupil of Saint-Saens served as director of the Paris Conservatory from 1905-20. He is probably best known for his 1888 "Requiem."

Answer: Gabriel Faure

- (5) Faure taught this other French composer, known for the ballets "Daphnis et Chloe" and "Bolero".

Answer: Maurice Ravel

- (15) Faure also taught this Romanian composer and violinist best known for a piece for ten wind instruments entitled "Dixtuor."

Answer: Georges Enesco (or Enescu)

27.

FTPE, answer the following about the field of paleontology.

- (10) This scientist's epic, four-volume "Research on Fossil Bones" established the fact that species become extinct and that older species look less and less like modern forms.

Answer: George Cuvier

- (10) An example of this species, regarded as the immediate predecessor of humans, was discovered on the island of Java.

Answer: Homo erectus (prompt on Java Man)

- (10) In 1909, C. D. Walcott discovered this formation in British Columbia.

Answer: Burgess Shale

28.

FTPE, identify these ancient Greek units of measure.

- (10) Prominent in the Bible, is equivalent to 18.3 inches.

Answer: Cubit

- (10) This monetary unit is considered equivalent to approximately 0.9463 pounds.

Answer: Mina

- (10) This unit represented 60 Mina, and is equivalent to 56.778 pounds.

Answer: Talent

29.

Name these Southeast Asian countries from leaders, FTPE.

- (10) General Than Shwe

Answer: Myanmar

- (10) Tran Duc Luong

Answer: Socialist Republic of Vietnam

- (10) Norodom Sihanouk

Answer: Cambodia