

Round 7: QOTC IX, March 25, 2000

Questions by Delaware

1. Islands occupied by this country include Socatra, Perim and Kamaran. A flat, low coastal desert plain called the Tihamah lines the coast and the eastern portion is sparsely inhabited except for the Hadhramaut district. Major towns include Al Hudayah and Ta'izz and the Rub' Al Khali occupies the northern part of the country. Civil war wracked the country in 1994, following its 1990 unification. FTP, name this country whose two largest cities are Sana'a and Aden, occupying the southwestern corner of the Arabian Peninsula.

Answer: Yemen

2. His newest endeavor is about architect Addison Mizner, who designed Florida resorts, and is entitled "Wise Guys". It will follow the recent New York staging of his early unproduced musical "Saturday Night", as well as revivals of two revues featuring his work, "Marry Me a Little" and "Putting It Together", the latter of which starred Carol Burnett. For 10 points, whose 70th birthday is being honored by performances of "Sunday in the Park with George" and "Sweeney Todd"?

Answer: Stephen Sondheim

3. From 1659 to his death in 1678 he served in parliament and his letters to his constituents give insight into 17th English political life. He also gained fame for his prose satire attacking the corruption of the monarchy, including "Last Instructions to a Painter" and "Poem on the Statue in the Stocks Market." While serving as assistant to John Milton, who then the Latin Secretary to the English Commonwealth, he penned "Horatian Ode upon Cromwell's return from Ireland." FTP, name this poet, author of "Bermudas," "The Definition of Love," and "To His Coy Mistress."

Answer: Andrew Marvell

4. They can be calculated by taking an identity matrix and subtracting the "hat" matrix, and multiplying the difference by the data's y-values. Their sum will always be zero, and their sum of squares is used to estimate sigma. Plotting them against predicted values can demonstrate misspecification of a model if systematic curvature is present. FTP, give the term that describes the difference between results obtained by observation and results by computation from a linear model.

Answer: Residuals (Prompt: Errors)

5. She called education the "armament of peace" and those who studied under her include Anna Freud, Jean Piaget, Alfred Adler, and Erik Erikson. She pursued a scientific education and was the first woman to become a physician in Italy. But she is better remembered as an educator whose retarded adolescents were able to pass standard public school tests. FTP, name this reformer whose demanding curriculum includes a series of concrete Math learning preschooling materials.

Answer: Maria Montessori

6. Born in El Paso in 1930, her grandparents had been Western pioneers who fought off Apache Indian attacks. Unable to secure herself a position in a law firm, she became a deputy of a California district attorney in the 1950s. She later won a seat as a county trial judge, and Governor Bruce Babbitt appointed her to the Arizona Court of Appeals. FTP, name this jurist who in 1981 was appointed by Ronald Reagan as the first female member of the Supreme Court.

ANSWER: Sandra Day O'Connor

7. It contains rhodium, which takes nitric oxide and decomposes it into innocuous nitrogen and oxygen gas. Platinum is also present within its porous ceramics, which at several hundred degrees celsius will oxidize carbon monoxide. A computer is often also present, which adjusts the oxygen level for maximum efficiency of hydrocarbon burning. FTP, name this piece of technology found between your car's motor and muffler, whose chemical reactions are made possible by exhaust heat.

Answer: Catalytic Converter

8. He enlisted in the National Guard when the Franco-Prussian war broke out, and persuaded the military to make him a major. After the liberty of Alsace was secure, he created the Lion of Belfort out of the red-rock hill commemorating that city's defense. You can also see his statues of Lafayette and Washington in Paris. FTP, name this man who sailed the Atlantic in 1871 to New York, where his sighting of Bedloe's Island inspired his next project.

Answer: Frederic Auguste Bartholdi

9. By the time of the Great War, soldiers took this classic into battle with them, and it is said that a copy deflected a bullet from a soldier's heart. Its author would have appreciated this, as one poem claims the Patent officer had "lost for everlasting / The heart out of his breast" due to a rejection by fellow Oxford undergraduate Moses Jackson. FTP, name this first volume of verse by Alfred Edward Housman.

Answer: _A Shropshire Lad_

10. This band was named in honor of the bus their producer took to school. Formed in 1967, their first number 1 single came ten years later with a song contrary to their usual style. Shortly after, the band was devastated by the loss of their guitarist, Terry Kath, to an accidental gunshot wound. FTP, name this band, whose founding members include Robert Lamm, James Pankow, Walter Parazaider, Lee Loughnane, Terry Kath, Peter Cetera, and Danny Seraphine, and whose first number 1 single was "If You Leave Me Now".

Ans. _Chicago_ Transit Authority

11. In what may have been a politically motivated incident, after losing a county election in 1985, his wife was hit by a truck at a rally, paralyzing her from the waist down. Son of illiterate parents who worked as day laborers, he became a lawyer and joined a prominent maritime law firm. He entered politics by accident in 1980, as the defense lawyer for two pro-independence activists, one of whom, Annette Lu, became his running mate on the ticket of the Democratic Progressive Party. FTP, name this former mayor of Taip'ei and the president-elect of the Republic of China.

Answer: _Chen_ Shui-bian

12. At the age of eighteen he suffered a nervous breakdown and in 1753 he obtained a position as librarian of the Advocate's Library in Edinburgh. Over the next ten years, he wrote a six-volume *History of England* and his *Dialogues Concerning Natural Religion* was published in 1779, three years after his death. He called his first work, *A Treatise on Human Nature*, "dead-born," but moved on to write *Essays Moral and Political* a year later. FTP, name this Scottish philosopher, author of *An Enquiry Concerning Human Understanding*.

Answer: David_ Hume_

13. Earning a degree in occupational therapy, she directed a Louisville's hospital therapy for disabled children. Late in life, she had to return to the United States to nurse her calcium-deprived body back to health. A painful event of her childhood was the death of her only pet, but it was the death of her subject "Digit" that caused her to bring attention to poaching. FTP, name this author of "Gorillas in the Mist", encouraged to go to Africa by Louis Leakey.

Answer: Dian_ Fossey_

He astutely handled a rebellion against oppression by his local officers in Takshasila in Gandhara. Succeeding his father Bindusara, as a younger son, he had to fight his elder brothers to become emperor. He may have gotten his first administrative experience in either Takshasila or the city of Ujjain. After becoming emperor his set to conquer the fertile, ore-rich and strategically located province of Kalinga, though after its successful conquest he renounced war for all time. FTP, name this most famous of the Maurya Emperors, noted for his edicts.

Answer: _Asoka_

15. About 100,000 of them are active in the Sun at any time, and the corona seems to be formed from them. They are rising jets of comparatively cool, dense gas extending through the chromosphere. In Biology, this term refers to one of the minute bodies that support the tissue of various invertebrates such as a sponge. FTP, give this word that is derived from the Latin for a head of a spear.

Answer: _Spicule_

16. It is governed by a cabinet, which is headed by a minister-president an responsible to a unicameral diet. Famous for its cattle, its marshy west coast has few harbors. Major towns include Flensburg and Neumunster as well as the historic city of Lubeck which is on its steep, rocky east coast. Bordered by Saxony and Meckelenburg-Pommern to the south, its capital is Kiel. FTP, name this German state located on the south part of the Jutland peninsula, cause of a war between Prussia and Denmark.

Answer: _Schleswig - Holstein_

17. The main narrative is interspersed with chapters from a book by one of the characters about Pontius Pilate. This novel opens at Patriarch's Ponds, where a conversation between Bezdomny (byez-DOME-nee) and Berlioz is interrupted by a mysterious stranger, who predicts that Berlioz will have his head cut off by a Komsomol member. Woland goes on to meet the title characters, one of whom he brings to a supernatural ball, accompanied by a demon named Azazello and a giant black cat named Behemoth. All this occurs in, FTP, what last and greatest novel of Mikhail Bulgakov (bool-GAH-koff)?

Answer: The_ Master and Margarita_ (_Master i Margarita_)

18. He grew up in Montpelier, Vermont, and some of his work he is less well known for includes writing the scripts to Robocop 2 and 3. He is better known for his comic book writing and art, and he has created such memorable characters as Billy Challas, Casey

McKenna, Martha Washington, Marv, and Elektra. Some of his recent work includes 300, a retelling of the story of the battle of Thermopylae, and Hell and Back the latest Sin City volume. FTP name this comics creator most known for his work on Daredevil, Batman: Year One, and Batman: The Dark Knight Returns.

ANSWER: Frank Miller

19. It has been shown to increase the chance of a miscarriage by .5%, but has proven a vitally important procedure in the pre-natal diagnosis of spinal chord defects as well as genetic disorders like Down's Syndrome, Tay Sachs disease, and cystic fibrosis. Usually conducted about the sixteenth week of pregnancy, it can also be used to detect sex of the fetus, as well as to identify sex-linked diseases. FTP, name this process of amniotic fluid removal and analysis.

Answer: amniocentesis (pronounced: am-nee-o-cent-ee-sus)

20. Their name might have been taken from a Buddhist term for "great good fortune". Originally tribes of Jurchen origin, they ruled as the Jin or golden dynasty and were given honorific titles by the Chinese emperors. Ruling from Mukden, their armies were divided into four banners, though banners composed of Mongols and Chinese were later added. FTP, name these people who leaders founded the Qing dynasty and who give their name to the common name for northeast China.

Answer: Manchus (prompt on Qing)

21. As a psychiatrist, he is said to have identified a castration complex. As a young boy, his servants killed a pair of snakes. But when he saved two of the snakes' children, they whispered into his ear allowing him to understand the language of all flying and creeping creatures. FTP, who as a prisoner predicted the collapse of the jail's roof by listening to worms?

Answer: Melampus

BONUS QUESTIONS FOR DELAWARE

1. Name these works by Tennessee Williams FTP each.

a. Ethan Hawke and Betty Buckley recently starred in two revivals of this 1952 experimental work with characters Lord Byron, Don Juan, Baron de Charlus (from Proust), and Casanova.

Answer: Camino Real

b. Recently found and premiered with this apprentice work about a Pennsylvania prison warden roasted convicts alive in a steam heated cell.

Answer: Not About Nightingales

c. Blanche Dubois will now depend on the kindness of operaphiles, as an 1998 Andre Previn musical retelling gave her suitor Mitch an aria.

Answer: A Streetcar Named Desire

2. Children have been seen with tattooed Lightning Bolts on their foreheads imitating Harry Potter, the Hero of three best sellers. FTP each identify these elements of his adventures by J. K. Rowling.

a. Step up to Station Nine and Three Quarters, and the express will take you to this School of Wizardry.

Answer: Hogwarts School of Witchcraft and Wizardry

b. Harry is a Seeker of the Golden Snitch a ball worth one hundred and fifty two points to the team that catches it in this sport played on broomsticks.

Answer: Quidditch

c. Referred to as "He-Who-Must-Not-Be-Named" or "You-Know-Who", this main villain killed Harry's Parents and continues to menace him.

Answer: Lord Voldemort

3. Identify these similar disciplines of measuring oceans FTP each:

a. This is the practice of showing relative positions and elevations on a map.

Answer: _Topography_

b. This is the art and science of compiling and producing charts or maps of water-covered areas of the Earth's surface.

Answer: _Hydrography_

c. This term means measurement of ocean depth, or the information derived from such measurements.

Answer: _Bathymetry_

4. Answer these questions about a conflict in 17th century colonial history FTP each:

a. This ended on August 28, 1676 after colonial forces shot the conflict's namesake. It began in June 1675 when Plymouth colonists tried to execute three Wampanoag Indians for murdering that chief's accuser.

Answer: _King Philip's War

b. Give King Philip's Wampanoag name.

Answer: _Metacomet_

c. This alliance of colonies successfully cooperated to fight King Philip's War.

Answer: The _New England Confederation_

5. Name these Neoclassical artists, 5-10-15.

5 - Works of his include *The Death of Marat* and *The Oath of the Horatii*.

Answer: Jacques-Louis _David_

10 - His career was more European than Pennsylvanian, but his New World subject in *The Death of General Wolfe* was a sensation to those unfamiliar with Native American scenery. Other works include *Death on a Pale Horse* and *Penn's Treaty with the Indians*.

Answer: Benjamin _West_

15 - She was a founding member of the Royal Academy in England. This Swiss-born artist commonly painted women, such as in *The Artist in the Character of Design Listening to the Inspiration of Poetry*.

Answer: Angelica _Kaufmann_

6. Given their port, identify the capital city the port serves, FTPE.

Piraeus

Answer: _Athens_

Callao

Answer: _Lima_

Ostia

Answer: _Rome_

7. The apple appears often in stories of Greek Mythology. FTP each name:

a. Because she wasn't invited, she threw an apple into the banquet hall of King Peleus' wedding.

Answer: _Eris_ or The Goddess of _Discord_

b. Atlas almost tricked Hercules to hold up the sky after Hercules asked him to retrieve this eleventh labor.

Answer: The Golden Apples of the _Hesperides_

c. She declared she would marry whoever could beat her in a foot race, but this mother of Parthenopaeus lost to a man who distracted her with golden apples.

Answer: _Atalanta_

8. Identify these Latin American authors from works, FTPE.

a. *Ismaelillo, Versos Sensillos, El presidio Politico en Cuba*

Answer: Jose Julian _Marti_

b. *Desolacion, Tala, Lagar, Poemas de las Madres*

Answer: Gabriela _Mistral_

c. *Piedra del Sol, El laberinto de la soledad*

Answer: Octavio _Paz_

9. Identify the Russian composer given works, FTPE.

a. Russian Easter Overture, Mlada Suite, Le coq d'Or

Answer: Nikolai _Rimsky-Korsakov_

b. A Life for the Tsar, Kamarinskaya, Russland and Ludmilla

Answer: Mikhail _Glinka_

c. Ilya Murometz, Shakh-Senem, The Red Poppy, which contains Russian Sailor's Dance

Answer: Reinhold _Gliere_

10. Given a European politician, name his political party, 5-10-15.

5 - Helmut Kohl

Answer: _Christian Democrat_ ic Union

10 - Lionel Jospin

Answer: _Socialist_ Party

15 - Spanish Prime Minister Jose Maria Aznar

Answer: _Popular_ Party or _People's_ Party

11. Name these ancient languages FTP each.

a. When Christian communities translated religious texts into Egyptian, the Greek script was adopted with the addition of seven hieroglyphic-derived characters forming this language spoken until the 16th century.

Answer: _Coptic_

b. Official language of the ancient Persian empire of Xerxes and Darius, the term "Hebrew" is derived from the word Abar or Habar which means "to cross over" in this language, native language of Jesus Christ.

Answer: _Aramaic_

c. Europa's brother Cadmus reputedly brought this language to Greece, which had sixteen consonants. The old Greek alphabet was created by adding five vowels.

Answer: _Phoenician_

12. Name each of the following contenders in the 1860 Presidential election FTP each.

a. The Constitutional Union Party Candidate for President

ANSWER: John _Bell_

b. The Southern Democrat Candidate for President

ANSWER: John _Breckinridge_

c. The Republican Candidate for Vice-President

ANSWER: Hannibal _Hamlin_

13. Identify these Nobel Prize Winners in chemistry, FTPE.

a. One of the few people to win two Nobels, he won the 1954 prize in chemistry for his work on intermolecular forces and the 1962 prize in Peace for his work in ending nuclear weapons tests.

Answer: Linus _Pauling_

b. This Dutch-American theoretical physicist developed a theory of ionization of electrolytes, named for him and Huckel, as well as using quantum theory to explain the heat conductivity of crystals at low temperature.

Answer: Peter Joseph Wilhelm _Debye_

c. IUPAC announced in 1997 that element 106 would be named in his honor. Winner of the 1951 Nobel prize, he was chairman of the Atomic Energy Commission from 1961 to 1971, he shared in the discovery of plutonium, americium, curium, berkelium, californium and most of the other actinides.

Answer: Glenn _Seaborg_

14. Name these ancient philosophers FTP each.

a. This philosopher of Miletus held that everything derived from water, so it is fitting that he died by falling into a well.

Answer: _Thales_

b. This man from Acragas held matter to be made up of fire, earth, air and water. He reputedly leapt into the crater of Mount Etna to test his capacity for reincarnation.

Answer: _Empedocles_

c. He commonly laughed at human folly, and is remembered for stating that matter is made up of tiny particles which he called atoms.

Answer: _Democritus_

15. Identify the following films about men dressing up as women, 5-10-15

5- In this 1982 film in which Dustin Hoffman became a better man for having spent time as a woman.

Answer: _Tootsie_

10 - This 1959 film stars Tony Curtis and Jack Lemmon as musicians who take jobs as female singers to escape the mob and features Marilyn Monroe as the leader of the band they join.

Some Like it Hot

15 - This 1982 film starred Al Pacino under cover in leather drag infiltrating the S/M underground while investigating a serial killer in New York City.

Answer: _Cruising_

16. Answer these questions about infectious biological agents FTPE.

a. Discovered independently by Frederick Twort and Felix d'Herelle, these particles' name literally means "bacteria eater." They form one class of viruses who infect only bacteria.

Answer: _bacteriophages_ (accept: phages)

b. Consisting of a small circular RNA molecule, these particles lack the protein coats of the common virus. Their mode of transport among cells seems to be through mechanical transport of cellular debris, and they are the agents of certain plant diseases.

Answer: _viroids_

c. This fatal brain disorder causes a rapid dementia and associated neuromuscular disturbances. Prion proteins, which are encoded by genes on chromosome 20, are considered the etiologic agent.

Answer: _Creutzfeldt-Jakob_ Disease

17. We know it today as St. Petersburg, and also Leningrad, but early in World War I, St. Petersburg was christened differently.

a. FTP give the historical name of this center of the Revolution.

Answer: _Petrograd_

b. This lawyer and leader of the Provisional government saw it overthrown in November, 1919 but later became a member of the Soviet.

Answer: Alexander _Kerensky_

c. Besides the Bolsheviks and Mensheviks, this third party often abbreviated with two letters competed for power.

Answer: _Socialist Revolutionaries_ (Prompt: SR)

18. FTPE identify these plays by Moliere.

a. This play is also called _The Hypocrite_, a reference to its title character who poses as a religious zealot to swindle Orgon. Other characters include Elmire and an officer of Louis XIV who acts as a deus ex machina, arresting the title character in the final scene.

Answer: _Tartuffe_

b. The title character of this 1666 play is a brutally honest man named Alceste who is in love with the coquette Celimene. The play ends when Alceste decides to become a hermit, but his friends Philinte and Eliante decide to marry one another.

Answer: _The Misanthrope_

c. In this play, Isabelle fools her guardian and fiancée, Sganarelle by getting him to bring encoded messages to her lover, Valere, under the pretense of his going to insult Valere for being too forward.

Answer: _The School for Husbands_

19. Name these national parks of Arizona FTP each.

a. Included in the park's acreage are the multi-hued badlands of the Painted Desert, and displays of 225 million year old fossils.

Answer: _Petrified Forest_

b. This National Park is named after a giant cactus, and rises into the Rincon and West Tucson mountains.

Answer: _Saguaro_ National Park

c. This Camp Verde Park is not a fortress, but rather a cliff dwelling of Sinagua Indians, and was never visited by its namesake Emperor.

Answer: _Montezuma Castle_

20. In the late 1960s, a Cambridge mathematician developed a simulation in which a deterministic set of rules decide whether the squares on an infinite board are living or dead during discrete time steps.

a. FTP, name this creator of The Game of "Life".

Answer: John _Conway_

b. In Conway's Game of Life, an alive cell will remain living in the next iteration if a certain number of its eight neighbors are living now. FTP all or nothing, what two quantities sustain cells?

Answer: _2_ and _3_

c. This simulation uses an elementary form of what construct first suggested by John von Neumann?

Answer: _Cellular Automaton_s

21. 30-20-10. Name the author from her works.

a. "Sex and Destiny: The Politics of Human Fertility" in 1984, was a critique of the politics of fertility and contraception.

b. "The Obstacle Race 1979", was a study of women and painting; and The Change 1991, a view of menopause.

c. This Australian writer's text "The Female Eunuch" of 1970 is still a feminist classic.

Answer: Germaine _Greer_