

4/25/02

DSHIT 2002 - Round 9. Questions by TwinTerp A and TwinTerp B

Tossups:

1. The original work on this concept was done by Antarctic explorers Paul Siple and Charles Passel in the winter of 1941, by measuring the amount of time it took a pan of water to freeze. This concept is a measure of the rate of heat loss, and is not a temperature. It holds that the rate of heat transfer may increase, but will not cause an object to drop below the actual temperature. FTP, name this concept often given with weather reports, especially for outdoor playoff football games.

ANSWER: wind chill

2. In this story, the main character, adrift after four years in the service in Korea, takes a train to the city of Taulkinham, and buys himself a "rat-colored car." The main character then sets about preaching on street corners for the Church Without Christ. Enoch Emery, Asa Hawks, Sabbath Lily, and the main character's nemesis, Hoover Shoats, are other characters in the novel. FTP name this work that features Hazel Motes by Flannery O'Connor.

ANSWER: Wise Blood

3. In this battle, Japan lost more planes, but fewer ships, than did the United States. Neither side won, but it prevented a Japanese assault on New Guinea. Here the American forces discovered that Japanese planes were equipped with smoke-making devices to cause their attackers to drop away before downing the plane. The most significant American loss was the carrier Lexington. FTP name this May 1942 battle, the first naval battle in which the opposing warships did not fire a single shot at each other.

ANSWER: Battle of the Coral Sea

4. The Cathedral of Notre Dame was one of the first buildings to use this technique. They enable builders to put up very tall, but thin stone walls. And as a result, large glass windows could be included in building design. FTP name this external, arched support for the wall of a church or other building.

ANSWER: flying buttress

5. One example of this process can occur when wet clothes are hung out on the line on a winter day when the temperature is below freezing. The water on the clothes freezes and then evaporates into vapor without melting. There are a few substances, such as iodine, arsenic, camphor, and dry ice that demonstrate this process under standard atmospheric conditions. FTP name this process where a solid directly becomes a vapor without melting.

ANSWER: sublimation

6. Born in Moscow on October 15, 1814, his early poems reflected the notions of freedom and idealism that he shared with other students who deplored the centuries-old despotism and the slavery of the peasants. Twice during his military service, in 1837 and in 1840, he was arrested because of his ideas and sent into exile in the Caucasus region of Russia. His time in the Caucasus would be the basis for many of his works. Shortly before his death, he wrote about a death in Son that was similar to his own. FTP name this author of A Hero of Our Time.

ANSWER: Mikhail Yuryevich Lermontov

7. Born in Bainbridge, NY, in 1799, he later moved to St. Louis, Missouri, where he became a fur trader under General Ashley. In 1826, he and his men started toward the Southwest in hopes of finding beaver. Not finding any, they kept on in that direction, until they were forced to cross the Mohave Desert. They went through the canyon below St. George, Utah, and called that part of the country "the land of starvation." FTP, name this explorer, the first person to reach California by land from the east.

ANSWER: Jedediah Strong Smith

8. For a circular orbit, this is zero. For an elliptical orbit, it is between zero and one. Parabolic equals one, and hyperbolic orbits are greater than one. The scalar form of this value is the square root of one, minus the semiparameter divided by the length of the semimajor axis [$\sqrt{1-p/a}$]. FTP name this orbital element, represented by the letter e.

ANSWER: eccentricity

9. This empire began in the 700's and eventually it extended from the central area of Nigeria to the Atlantic coast. Their source of power arose from the fact that they controlled trade across the Sahara. As emperor, Sunni Ali conquered Jenne and Timbuktu. Askia the Great reorganized the government and encouraged the people to practice Islam. The empire ended in 1591 when a Moroccan army defeated them in the Battle of Tondibi. FTP name this empire with its capital at Gao.

ANSWER: Songhai

10. This city is one of the busiest shipping centers in its state, and is the seat of Alameda County. The Lake Merritt Wild Fowl Sanctuary here is the oldest wildlife refuge in North America. As a result of an earthquake in 1989, a portion of the upper level of

the city's double-decked Nimitz Freeway collapsed onto the lower level. FTP, name this northern California city named for the trees that grew on its hills.

ANSWER: Oakland

11. He graduated from the University of Leeds in 1958. While in England, he worked with the Royal Court Theatre and the English Stage Company. After returning to his native country he founded a national theater called the 1960 Masks and the Orisun Repertory. From 1967-1969, he was imprisoned for allegedly supporting the independence of Biafra. FTP name this author who wrote such works as The Interpreters and The Lion and the Jewel.

ANSWER: Akinwande Oluwole (Wole) Soyinka

12. These early people were probably the first human beings to master the use of fire. They originated in Africa and became the first to migrate from that continent, eventually reaching northern Asia and Europe. Famous examples of this species have been found in Java; near Heidelberg, Germany; and near Peking, China. FTP name this species whose name in Latin means "upright human."

ANSWER: Homo erectus

13. Selected by the Washington Redskins in the sixth round of the 1993 draft, he was released by them in 1995 and joined his current team. He made his first Pro Bowl appearance in 1998. One of the top tight ends in the NFL for many years, he has averaged 70 receptions per year for the past three seasons. FTP, name this player who threw "the pass" in the Music City Miracle while playing for the Tennessee Titans.

ANSWER: Frank Wycheck

14. This council met during three separate periods, and wars and religious disputes often interrupted its work. During the first period, along with other things, the council declared that Scripture and tradition were equally valid sources of the Catholic faith. During its final period, the council defended the granting of indulgences. FTP name this council called by Pope Paul III in 1542, and opened on December 13, 1545, in an Italian city.

ANSWER: Council of Trent

15. The concept of this type of government developed in the United States early in the 20th century as an expression of the Progressive movement, and became a subject of considerable public interest in the 1930s during the Great Depression. The origins of this movement may be traced to Frederick W. Taylor. FTP identify this type of government where engineers and scientists are in charge.

ANSWER: technocracy

16. A lawyer educated at Harvard and Heidelberg, he would become the county attorney in Jefferson, Missouri and marry Melisandre Backus Harriss. Before he marries Melisandre, he is hopelessly in love with Eula Varner Snopes and later her daughter Linda. He comments philosophically on events in Yoknapatawpha County, but he is rarely directly involved in them. FTP name this William Faulkner character that appears in several works and solves murders in Knights Gambit.

ANSWER: Gavin Stevens

17. This system kept the nobles' large landholdings from being broken up among their children into many small estates, and preserved the social position and prestige of the noble families. Peasants and other landholders also practiced it. It gradually disappeared in Europe, except among ruling families, as the feudal system died out, and came to an end in Britain in 1925, except for the royal family. FTP name this system where the oldest child in a family, and often the oldest son, has the sole right to inherit land and other possessions from the parents.

ANSWER: primogeniture

18. She never mourned for obscure people. In earliest times, she was a fairy who protected the ruling family of a district. Later, her cries merely told of a coming death. FTP name this old woman in Irish legend whose shrieks and wailings outside a house meant that there was to be a death inside.

ANSWER: banshee

19. With the first symptoms, there is no pain, just a feeling of exhaustion. Soon visual impairments set in and routine tasks become difficult to perform. Some people drift into an incoherent state. FTP name this condition caused by a lack of oxygen to the brain that can lead to death.

ANSWER: hypoxia

20. They killed animals and possibly people as sacrifices. Then they studied the remains of the sacrificed animals and the flights of birds to foretell the future. A religious class, they believed in many gods and that the soul would enter a new body after death. They considered the oak and mistletoe to be sacred. Most of our knowledge about them comes from Pliny and the Commentaries of Caesar. FTP, name these people who are credited with building a monument near Salisbury, England.

ANSWER: Druids

21. His day is observed in the United States on October 9th. Born a pagan, he later adopted Christianity on a voyage to Norway. In his most famous voyage, he landed at Helluland, sailed farther south to Markland, and then went further south to where he would spend the winter. On his way back to Greenland, he rescued the crew of a shipwreck and was rewarded with their cargo. FTP name this man who governed Greenland after his father's death.

ANSWER: Leif Ericson

22. She started running at age four and was setting records from an early age. She ran very well in college, but her best finish in the NCAA championships was a second place in cross-country her senior year. Her first Olympic trials were in 1980 when she was 16 years old. Later she would qualify for every Olympics from 1988 through 2000. FTP, name this 38-year-old distance runner who claimed her 21st national title last Saturday by pulling away over the last lap of the mile in the USA Track & Field Indoor Championships, her final major indoor meet.

ANSWER: Regina Jacobs

Bonuses:

1. Answer these questions about mountains in Antarctica on a 5,10,15 basis.

[5] At 4900 meters, this is the highest point in Antarctica.

ANSWER: Vinson Massif

[10] Vinson Massif is located in this mountain range, off the coast of the Ronne Ice Shelf.

ANSWER: Ellsworth Mountains (accept: Sentinel Range)

[15] Located on Ross Island in the McMurdo Sound, this is Antarctica's most active volcano.

ANSWER: Mount Erebus

2. Answer these questions about the Norse god Hoder FSNP.

[10] He killed this twin brother with an arrow made of mistletoe.

ANSWER: Balder

[5] Who urged Hoder to kill Balder?

ANSWER: Loki

[15] Who, in turn, killed Hoder?

ANSWER: Vali (accept Guardian of Justice)

3. FTPE name these paintings by Jacques-Louis David.

[10] This 1793 work has a murdered Revolutionary in a bathtub.

ANSWER: Death of Marat

[10] This 1787 work is about a sacrifice being made by a Greek philosopher.

ANSWER: The Death of Socrates

[10] This work shown in 1785 shows three brothers swearing to protect Rome.

ANSWER: Oath of the Horatii

4. Answer the following questions about a Civil War battle FSNP.

[5] This September 19 and 20, 1863 battle in Georgia was the Confederacy's last important victory.

ANSWER: Battle of Chickamauga

[10] He earned the nickname "The Rock of Chickamauga" for holding his line.

ANSWER: George H. Thomas

[5 or 15] 5 for 1, or 15 for both, name the Union and Confederate commanding officers at the Battle of Chickamauga.

ANSWER: William S. Rosecrans (Union) and Braxton Bragg (Confederate)

21. Answer these questions FTPE.

[10] The pitching coach of the World Champion Diamondbacks, he was the last pitcher to win 27 games in a season.

ANSWER: Bob **Welch**

[10] He was the pitching coach of San Diego when they won the National League Championship and won twenty or more games every year from 1987-1990.

ANSWER: Dave **Stewart**

[10] Arguably his best season was 1989 when he won 19 games, was third in the Cy Young voting, and won two World Series games.

ANSWER: Mike **Moore**

22. FTPE:

[10] Polls following scientific procedures were first used in 1935 with the experimental nationwide surveys of two men. Name either.

ANSWER: George H. **Gallup** or Elmo **Roper**

[10] This type of poll is taken as people leave their voting places.

ANSWER: **Exit** Poll

[10] This type of poll is conducted with small samples toward the end of an election campaign.

ANSWER: **Tracking** Poll