

## Varsity Quiz 2004: Quarter Final 4

### First Round

1) In which 1966 film does Paul Scofield as Sir Thomas More say at his execution, "I am commanded by the king to be brief, and, since I am the king's obedient subject, brief I will be. I die his Majesty's good servant but God's first"?

**Answer: *A Man for All Seasons***

2) The human skeleton is said to consist of 2 divisions: the bones of the head, neck, and trunk and the bones of the appendages and their supports. Name either of these divisions.

**Answer: Axial (or spinal) skeleton or appendicular skeleton**

3) What name is given to the period that marked the intellectual and material preeminence of Athens, Greece? It is so named for the Athenian statesman who ruled from about 460 to 429 B.C.

**Answer: Age of Pericles (Periclean Age)**

4) **Physics Question:** How much work is done when a 10 kg suitcase is lifted one meter?

**Answer: 98 joules**

5) Name the leader under whose orders the Israelites marched around Jericho, then shouted and blew their trumpets, causing the walls to fall down.

**Answer: Joshua**

6) Many in the late 18th century believed that dairymaids who had caught cowpox could not catch smallpox. Which English scientist proved that being inoculated with cowpox matter would prevent people from catching smallpox?

**Answer: Edward Jenner**

7) Which unit of length equal to about 3.26 light-years is used to compute the distance of stars? This unit is equal to the distance of a star whose annual parallax is one second of arc.

**Answer: Parsec**

8) Name the woman of Italian-American ancestry who was the first woman to be elected governor in the U.S. without having succeeded her husband in office. She represented Connecticut in the House of Representatives for 2 terms before becoming governor.

**Answer: Ella Grasso**

9) Which term beginning with the letter *G* is used in earth science to designate the belief that changes in the earth have taken place slowly, without sudden and violent transitions?

**Answer: Gradualism**

10) On October 14, 1066, the forces of William, the Duke of Normandy, defeated those of Harold at the Battle of Hastings, leading to William's being crowned king of England on which day later that year? Charlemagne was crowned emperor on this same day.

**Answer: Christmas Day.**

11) **Math Question:** What is the value of the log of the cosine of  $\pi/3$  radians if the base of the log is 2?

**Answer: -1**

12) In which Samuel Barber opera, commissioned for the September 16, 1966, opening of "The Met" in Lincoln Center, do the principal characters kill themselves after Octavius' victory in 31 B.C.?

**Answer: *Antony and Cleopatra* (he fell on his own sword and she was bitten by an asp)**

13) In 1996, scientists opened jet tubes in the Glen Canyon Dam for 4 days in an effort to raise the water level and restore beaches and wildlife along which river that flows through the Grand Canyon?

**Answer: Colorado River.**

14) Identify the large French chateau about 37 miles south of Paris where Pope Pius VII stayed when he came to crown Napoleon and where Napoleon abdicated the throne in 1814. The existing structure was begun in 1528 by commission of François I.

**Answer: Fontainebleau**

15) Author Richard Condon, who died at age 81 in 1996, saw two of his novels made into acclaimed movies, including *Prizzi's Honor*, and which story of political paranoia that gained frightening realism with the assassination of President John F. Kennedy?

**Answer: *The Manchurian Candidate***

16) **Math Question:** What is the conjugate of the complex number one plus  $i$ ?

**Answer: One minus  $i$**

17) *Moro*, another form of the word *Moors*, refers to Muslims who live in the southern part of which country in the Pacific that consists of more than 7,000 islands?

**Answer: Philippines**

18) Which 2-word term used in the U.S. for a "live and let live" philosophy was used in the Soviet Union for a program advocating evolutionary victory over capitalism?

**Answer: Peaceful coexistence**

19) Identify the female outlaw of the late 19th century who was known as the "Bandit Queen," the "Female Jesse James," the "Female Robin Hood," "Lady Desperado," and "Queen of the Outlaws." Her first name is Belle.

**Answer: Belle Starr (born Myra Belle Shirley)**

20) Which word identifies a large-scale orchestral composition ranging in length from one to 6 sections but usually divided into 4 sections?

**Answer: Symphony**

21) Which word beginning with the letter *F* designates both "something such as information that is considered plentiful but often inferior, raw, or coarse" and "coarse food for animals, cattle, and similar domestic animals"?

**Answer: Fodder**

22) In which New England city was the first and only edition of the first American newspaper, *Publick Occurrences Both Foreign and Domestick*, published in September 1690 by Benjamin Harris?

**Answer: Boston (accept Cambridge)**

23) Which country celebrated 55 years of independence from Britain on August 15, 2002, using the occasion to criticize its rival, Pakistan?

**Answer: India**

24) In which 1942 film does Humphrey Bogart say to Ingrid Bergman, "Here's looking at you, kid"? This film title names a major Moroccan city.

**Answer: Casablanca**

25) Name the islands in the Danish West Indies that William Henry Seward tried to purchase during the Andrew Johnson administration and that the U.S. finally purchased from Denmark in 1917.

**Answer: Virgin Islands**

## Bonus Round

1) Name the 1811 Jane Austen novel that is the basis of the 1995 film in which Emma Thompson stars as Elinor Dashwood, the sensible sister of the rash Marianne.

**Answer: *Sense and Sensibility***

**Bonus Question:** Identify each of the following concerning films: 1<sup>st</sup> the source of the plot for the 1995 movie *Clueless*, an 1815 Jane Austen novel in which Emma Woodhouse takes care of an indulgent father and 2<sup>nd</sup> the Tony Award-winning Andrew Lloyd Webber musical based on a 1950 film starring Gloria Swanson as a faded film star attempting a comeback.

**Answers: *Emma* and *Sunset Boulevard***

2) As a result of the 20th or "Lame Duck" Amendment to the U.S. Constitution, who was the first President to be sworn in on January 20? The year was 1937.

**Answer: Franklin D. Roosevelt (20th Amendment was ratified on February 6, 1933).**

**Bonus Question:** Identify each of the following concerning the U.S. government: 1<sup>st</sup> Name the building in Philadelphia in which the 2nd Continental Congress and the Federal Constitutional Convention met and 2<sup>nd</sup> name the southern state that was the 4th after Delaware, Pennsylvania, and New Jersey to ratify the Constitution, in 1787.

**Answers: Independence Hall (in Independence National Historical Park) and Georgia (it was ratified on January 2, 1788).**

3) **Math Question:** The first two terms of the binomial theorem expansion of  $(a + b)^6$  [READ: the sum of  $a$  and  $b$  all raised to the sixth power] are  $a^6$  and  $6a^5b$  [READ:  $a$  to the sixth power and six times  $a$  to the fifth power times  $b$ ]. What are the coefficients of the next two terms?

**Answer: 15 and 20**

**Bonus Question:** Answer each of the following math questions: 1<sup>st</sup> what is the y-intercept of the line with the equation  $y = 2x - 1$ ? and 2<sup>nd</sup> what is the cube root of 343?

**Answers: -1 or (0,-1) and 7**

4) Name the author of the 1994 book *Closing Time*, which features characters Yosarian and Milo and is a sequel to *Catch-22*, written 32 years earlier.

**Answer: Joseph Heller**

**Bonus Question:** Identify each of the following associated with the word *hell*:

1<sup>st</sup> the 4 words completing the following statement made by Major General Smith as Communist divisions attacked during the Korean War: "Retreat, hell! We're not retreating, we're just advancing \_\_\_\_." and 2<sup>nd</sup> the former name of the Dardanelles, the strait joining the Aegean Sea with the Sea of Marmara (Marmora)

**Answers: "in a different direction" and Hellespont**

5) Identify the red or yellow crystalline pigment found in the carrot.

**Answer: Carotene**

**Bonus Question:** Identify each of the following concerning biology : 1<sup>st</sup> the gradual loss of a behavioral response of an animal as a result of ongoing stimulation and 2<sup>nd</sup> the Word defined as the "attribution of human traits to animals other than man"

**Answer: Habituation and Anthropomorphism**

6) Which President warned of a Democratic repeal of the high protective tariff with these words: "The grass will grow in the streets of a hundred cities, a thousand towns; the weeds will overrun the fields of millions of farms," in a campaign speech on October 31, 1932?

**Answer: Herbert Hoover**

**Bonus Question:** Identify each of the following concerning warnings: 1<sup>st</sup> name the vast African country crossed by the Nile where a civil war has been fought since 1983 and aid agencies continue to warn of famine and 2<sup>nd</sup> give the symbol that warns about poison or pirates.

**Answers: Sudan and Skull and crossbones**

7) Name 2 of the 3 people thrown into the fiery furnace for not obeying King Nebuchadnezzar's command to worship the golden image as related in the Book of Daniel in the Bible.

**Answer: Shadrach (Hananiah), Meshach (Mishael), and Abednego (Azariah).**

**Bonus Question:** Identify the following concerning geography: Name 2 of the 3 largest Italian volcanoes.

**Answers: Etna (Aetna), Vesuvius, and Stromboli**

8) Give the general name for the 3 curved, tubelike canals in the inner ear that help to maintain balance and are called the inferior, superior, and posterior canals.

**Answer: Semicircular canals**

**Bonus question:** Identify each of the following parts of the inner ear from the given first letter: 1<sup>st</sup> the letter V – the Part that includes the utricle and the saccule and 2<sup>nd</sup> the letter C – the Part that has 3 fluid-filled ducts and resembles a snail shell.

**Answers: Vestibule and Cochlea**

9) Identify the British dependency that covers only about 2 square miles and is located just south of the Tropic of Capricorn about 5,000 miles east of Australia. It was occupied by 9 mutineers from the HMS *Bounty* in 1790.

**Answer: Pitcairn Island**

**Bonus Question:** Identify each of the following geographic sites: 1<sup>st</sup> the Island country separated from India by the Palk Strait and the Gulf of Mannar and 2<sup>nd</sup> the country in which Albertville, the site of the 1992 Winter Olympics, is located.

**Answer: Sri Lanka and France**

10) Math question: A set  $S$  contains 3 elements. How many subsets of  $S$  contain an odd number of elements?

**Answer: 4**

**Bonus Question:** Answer each of the following math questions: Find 3 consecutive odd integers that sum to 57 and 2<sup>nd</sup> Convert  $200^\circ$  to its equivalent radian measure.

**Answers: 17, 19, 21 and  $(10/9)\pi$  or  $10\pi$  divided by 9**

## Speed Round

1) What term beginning with *P* denotes an axiom or premise assumed to be true for the purpose of argument or scientific investigation?

**Answer: Postulate**

2) Which lawyer presented the arguments for Oliver Brown in the 1954 *Brown v. Board of Education* case before being selected as the 1st black justice of the Supreme Court?

**Answer: Thurgood Marshall**

3) Which 19th-century American author postulated that if you build a better mousetrap, the world will beat a path to your door?

**Answer: Ralph Waldo Emerson**

4) Identify the adopted home town of Abraham Lincoln, where his body arrived for burial on May 3, 1865.

**Answer: Springfield (Illinois)**

5) The Great Dark Spot on Neptune was so named because of its resemblance to the Great Red Spot on which planet?

**Answer: Jupiter**

6) Give the word that names a small, usually grotesque, figure usually attached to a Gothic structure?

**Answer: Gargoyle**

7) Identify the Democratic U.S. senator of Irish ancestry who was first elected to his seat representing Massachusetts in 1962.

**Answer: Edward Kennedy**

8) Name the chapel whose ceiling painting was pronounced fully restored in 1990 after a decade of cleaning to bring back the bold, bright colors used by Michelangelo.

**Answer: Sistine Chapel**

9) Name the planet that was discovered on September 23, 1846, when astronomers began to search for the source of an unexplained force of gravity that seemed to be influencing Uranus.

**Answer: Neptune**

10) Identify the 1995 film starring Liam Neeson and Jessica Lange that is based on Sir Walter Scott's 1817 novel about Scottish outlaw Robert Macgregor.

**Answer: Rob Roy**

11) Which amendment in the Bill of Rights is the foundation of the doctrine of states' rights?

**Answer: 10th Amendment**

12) What is the maximum number of different types of atoms that may bond to the same carbon atom?

**Answer: 4.**

13) **Math Question:** If the hypotenuse of an isosceles right triangle is 8 centimeters, what is the area of this triangle?

**Answer: 16 square centimeters.**

14) Which country acknowledged in 2002 having broken a 1994 agreement with the U.S. by pursuing a nuclear weapons program, trying to become the world's 8th nuclear power?

**Answer: North Korea**

15) The 1995 movie *Tall Tale* stars Patrick Swayze as which legendary Southwest cowboy who supposedly invented the six-shooter and dug the Rio Grande?

**Answer: Pecos Bill**

16) In a nursery rhyme, which character "... runs through the town...? Rapping at the window, crying through the lock"?

**Answer: Wee Willie Winkie**

17) Identify the French city that in 1998 celebrated the 400<sup>th</sup> anniversary of the decree issued there by Henry IV (4<sup>th</sup>) giving the Huguenots the freedom of religion?

**Answer: Nantes**

18) Name the American General whose forces defeated the British at the second Battle of Saratoga on October 7, 1777, in New York.

**Answer: General Horatio Gates**

19) Which element was first found in the gaseous atmosphere surrounding the sun and named after the Greek god of the sun?

**Answer: Helium**

20) Which Icelandic born Norse explorer is credited with the discovery of North America in A.D. 1000 on October 9?

**Answer: Leif Eriksson**

21) 1) If each step in a staircase is 6 inches high, how many steps are in a staircase 15 feet high?

**Answer: 30.**

22) Which type of compound dissolves in water to furnish hydrogen ions or hydronium ions?

**Answer: Acid.**

23) In which country did Pierre Trudeau replace Lester Pearson as prime minister?

**Answer: Canada.**

24) Name the 16th-century French writer who created the personal essay.

**Answer: Michel de Montaigne**

25) Give the word for "a prophetic revelation, especially one depicting the ultimate triumph of good and the destruction of evil at the end of the world."

**Answer: Apocalypse.**

26) Name the statesman, diplomat, and chief justice of the U.S. Supreme Court who coauthored the *Federalist Papers*.

**Answers: John Jay**

27) Identify the moon of Saturn discovered in 1991 and named after the flute-playing Greek god of fields and shepherds who was half-man and half-goat.

**Answer: Pan**

28) **Math Question:** Identify the cosine of  $210^\circ$ .

**Answer:  $-\sqrt{3}/2$  [READ: negative square root of 3 over 2]**

29) Name the character whose name completes the title of T.S. Eliot's poem *The Love Song of J. Alfred \_\_\_\_\_*

**Answer: Prufrock**

30) Which word for "grain" has the same spelling as the surname of a 19th-century French artist?

**Answer: Millet**