



National Academic Quiz Tournaments, LLC

2006-2007 MNHSQB Set A Packet 1

Warm-Ups and Tossups

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naqt@naqt.com 11521 W 69th Street
http://www.naqt.com Shawnee, KS 66203
1.888.411.NAQT (1.888.411.6278)

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1. Harold Godwinson was killed during which battle, fought on October 14, 1066, that allowed William of Normandy to conquer England?

answer: Battle of Hastings

<158593>

2. In 2006 Tim Kaine replaced Mark Warner as governor of which state, called the "Mother of Presidents," where one can visit Colonial Williamsburg?

answer: Virginia

<172615>

3. The happy marriage of Konstantin ["Constantine"] Levin and Kitty is contrasted with the title character's affair with Count Vronsky [VRAHN-skee] in which novel by Leo Tolstoy?

answer: Anna Karenina [AH-nuh kah-REH-nih-nuh]

<164038>

4. Pencil and paper ready. When rolling two six-sided dice, what is the probability that the total is either 2 or 3?

answer: 1/12 (or 8 1/3%) [1/36 + 2/36]

<161756>

5. Which city named for James K. Polk's vice president is on the Trinity River near Plano, Irving, and Arlington and is the third-most-populous in Texas?

answer: Dallas

<161676>

6. From 1988 to 1996, the NBA's assist leader was which guard drafted out of Gonzaga [gahn-ZAG-uh] University by the Utah Jazz?

answer: John (Houston) Stockton

<156876>

7. What group of Greek deities including Hyperion, Tethys [TETH-iss], Prometheus, and Cronus [KROH-nus] was imprisoned in Tartarus [TAR-tur-us] after being overthrown by Zeus?

answer: Titans

<155090>

8. The battles of Cerro Gordo [SAIR-oh GOR-doh], Chapultepec [chah-POOL-tuh-pek], and Buena Vista [BWAY-nuh VEE-stuh] were fought during what 1846 to 1848 war against a southern neighbor?

answer: Mexican-American War (or U.S.-Mexican War)

<158700>

9. The lead-chamber process was once used to make what strong, diprotic [dye-PROH-tik] acid used in car batteries that has chemical formula  $H_2SO_4$ ?

answer: sulfuric acid (accept  $H_2SO_4$  early)

&lt;151176&gt;

10. Which Tennessee Williams play set in a St. Louis apartment tells the story of Laura Wingfield and her breakable animal figurines?

answer: The Glass Menagerie

&lt;72543&gt;

11. What artist, who died at the French court of Francis I, trained under Andrea del Verrocchio [vuh-ROH-kee-oh] and painted the *Madonna of the Rocks* and the *Mona Lisa*?

answer: Leonardo da Vinci (accept either)

&lt;164927&gt;

12. Mutations that cause thalassemia [THAL-uh-SEE-mee-uh] and sickle cell anemia alter the structure of what protein with four subunits that carries oxygen in the blood?

answer: hemoglobin (accept red blood cell or erythrocyte before "protein")

&lt;164252&gt;

## Tossups with Bonuses

13. **A fake *Saturday Night Live* ad hawked a car made of this substance. It consists of sandy or clay-bearing soil that is moistened, mixed with straw, and (\*) sun-dried in the shape of bricks. For 10 points—identify this material sharing a name with the software company that produces Photoshop.**

answer: adobe

&lt;142770&gt;

14. **Mary wrote *The Group*. John created the computer language LISP. Eugene was a Democratic senator from Minnesota. All the (\*) *Pretty Horses* was written by Cormac. For 10 points—give the surname these people share with Joseph, a Wisconsin senator known for anti-Communist hearings in the '50s.**

answer: McCarthy (accept Mary McCarthy, etc.)

&lt;124403&gt;

15. **This man's daughter Sarah married Jefferson Davis in 1835 but died of malaria three months after their wedding. Fifteen years later, this man died of what was diagnosed as cholera 16 months after taking (\*) office. For 10 points—name this Whig succeeded as president by Millard Fillmore.**

answer: Zachary Taylor

&lt;150103&gt;

16. **The oldest opera still in the repertoire is Claudio Monteverdi's "Fable of" this character who appears "in the Underworld" in the title of a Jacques Offenbach comic opera featuring the (\*) can-can dance. For 10 points—name this mythological musician who fails to save his wife Eurydice [yuh-RIH-duh-see].**

answer: Orpheus (accept L'Orfeo before "Can-Can")

&lt;176143&gt;

17. **It appears in Chapter 11 of the Gospel of Luke in response to a direct request by a disciple, as well as in Chapter 6 of Matthew as part of the (\*) Sermon on the Mount. For 10 points—name this instructive prayer offered by Jesus addressed to "Our Father, which art in heaven."**

answer: Lord's Prayer (accept Our Father or Pater Noster before "Our Father")

&lt;176008&gt;

18. **Diplomonads [DIP-loh-MOH-nads], such as parasites of genus *Giardia* [jee-AR-dee-uh], have exactly two of these membrane-bound structures, unlike most eukaryotes [yoo-KAIR-ee-ohts], whose name indicates that they have a (\*) "true" one, and prokaryotes, which have none. For 10 points—name these organelles that contain a cell's chromosomes.**

answer: nuclei or nucleus

&lt;176114&gt;

19. **This nation's island of Palawan [puh-LAH-wun] bounds the Sulu Sea to the northwest. It is the site of Mount Pinatubo [pih-nuh-TOO-boh], which erupted in 1991. The largest of its over 7000 islands include (\*) Mindoro and Mindanao [MIN-dah-"now"]. For 10 points—name this nation whose largest island, Luzon [loo-ZAHN], contains Manila.**

answer: Republic of the Philippines

&lt;176084&gt;

20. They often contain a *kigo* [KEE-goh], a word that describes the seasonal setting. Masaoka (\*) Shiki [mah-sah-oh-kah shee-kee] led a 19th-century revitalization of this form whose most famous writer was the Edo-era Basho [bah-shoh]. For 10 points – name this type of three-line Japanese poem.

answer: haiku [hye-koo] (prompt on “hokku”)

&lt;179152&gt;

21. Pencil and paper ready. The sum of every row and column of a four-by-four magic square is also the term of the Fibonacci sequence that precedes 55 and follows 13 and (\*) 21. For 10 points – give this integer that also equals the sum of 5 squared and 3 squared.

answer: 34

&lt;179550&gt;

22. On her second album, *A Girl Like Me*, this 18-year-old, born Robyn Fenty, sings about infidelity in the 2006 single “Unfaithful” and about infatuation in (\*) “S.O.S.” For 10 points – name this Barbados-born singer of “If It's Lovin' That You Want” and “Pon de Replay.”

answer: Rihanna (or Robyn Rihanna Fenty early)

&lt;172526&gt;

23. The first of them to be written features Judge Temple, who wounds Oliver Edwards. The last was an 1841 novel subtitled “the first war path” that featured Judith Hutter and (\*) Chingachgook [chin-GOTCH-gook]. For 10 points – name this series of five “Tales” about Natty Bumppo by James Fenimore Cooper.

answer: The Leatherstocking Tales

&lt;177999&gt;

24. Pencil and paper ready. Tom has a certain number of nephews. If Tom gave each nephew five pieces from a particular bag of candy, 1 piece would be left over. If he gave them each four pieces, four would be left over. (\*) For 10 points – how many nephews does Tom have?

answer: 3 nephews [ $5x + 1 = 4x + 4$ ]

&lt;179602&gt;

25. As an 18-year-old, this man spent three months at a monastery. He then proclaimed himself a religious healer, and, in 1905, his services were sought to combat the hemophilia of Alexei, the (\*) tsarevitch. For 10 points – name this “mad monk” assassinated in 1916 by Russian nobles.

answer: Grigori (Yefimovich) Rasputin

&lt;179103&gt;

26. Three of this woman's stories, about a repentant woman named Janet, Mr. Gilfil, and Amos Barton, appeared in 1858 as *Scenes of Clerical Life*. The next year saw the publication of her first novel, a work about Hetty Sorrel and Adam (\*) Bede. For 10 points – name this author of *Middlemarch*.

answer: George Eliot or Mary Ann (Marian) Evans

&lt;177996&gt;

27. This kind of function exists for conservative forces like gravity or that of an ideal spring. In the former case, it is proportional to both masses involved and inversely (\*) proportional to their separation. For 10 points – name this type of energy that could become kinetic energy.

answer: potential energy (function) (accept potential (function) until “both masses”)

&lt;179555&gt;

28. Iraq's King Faisal I had previously ruled this other country for a few months in 1920. It was taken over by the Baath Party in 1963, and its Hama Massacre was ordered by Hafez (\*) al-Assad [AH-sahd], who sent its army into Lebanon in 1976. For 10 points – name this Arab nation with capital Damascus.

answer: Syria or Syrian Arab Republic

&lt;179086&gt;

29. Among this man's proposals are making his nation's appointed Senate an elected body. In June 2006 several would-be terrorists were accused of plotting to behead this (\*) Conservative who had been elected prime minister in February. For 10 points – name this leader of Canada.

answer: Stephen (Joseph) Harper

&lt;179560&gt;

30. Carbon dioxide exhaled by tourists forced this site to close to the public in 1963, but replicas of its two rooms – the Great Hall of the Bulls and the Painted Gallery – were opened in 1983. (\*) For 10 points – name this cave in Dordogne [dor-dohn], France, famed for its Paleolithic art.

answer: Lascaux [luh-skoh]

&lt;176039&gt;

31. **This author of *Out of Mulberry Street* competed with Lincoln Steffens [STEH-funz] as a reporter, and his pioneering use of flash-powder photography caused two tenement fires during the creation of his major series for (\*) Scribner's.** For 10 points – name this muckraking author of *How the Other Half Lives*.

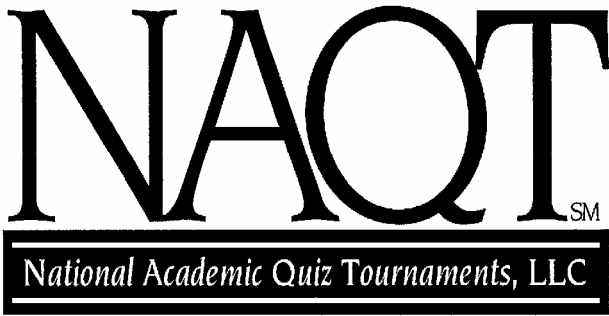
answer: Jacob (August) Riis ["Reese"]

<179650>

32. **While studying Cepheid [SEH-fee-id] variables, this man discovered that the Andromeda "nebula" was in fact another galaxy. This American's so-called constant is the ratio of a galaxy's (\*) distance and recession velocity.** For 10 points – identify this namesake astronomer of an orbiting telescope.

answer: Edwin (Powell) Hubble (accept Hubble constant or Hubble Space Telescope)

<179692>



2006-2007 MNHSQB Set A  
Packet 1

Bonuses

- 
1. For 10 points each—name these “great” American geographic features:
- A. A prairie-dominated area running from Texas to northern Canada that stretches 400 miles east from the Rocky Mountains  
answer: Great Plains
- B. A 200,000-square-mile arid region that includes half of Utah and nearly all of Nevada  
answer: Great Basin
- C. A stretch of the Appalachians forming the boundary between North Carolina and Tennessee  
answer: Great Smoky Mountains or Great Smokies <134507>
2. His later works include *The Descent of Man* and *The Expression of the Emotions in Man and Animals*.
- A. For 10 points—name this scientist.  
answer: Charles (Robert) Darwin
- B. For 10 points each—name *both* the Pacific island chain where Darwin conceived the idea of natural selection *and* the survey ship aboard which he first visited those islands.  
answer: Galapagos Islands (or Archipiélago de Colón)  
HMS Beagle <167907>
3. For 10 points each—name these Soviet leaders:
- A. This revolutionary took power in a nearly bloodless coup in October 1917.  
answer: Vladimir (Ilyich) Lenin (or Vladimir Ilyich Ulyanov)
- B. This premier served from 1958 to 1964, a period that included both the U2 spy plane incident and the Cuban Missile Crisis.  
answer: Nikita (Sergeyevich) Khrushchev [KROOSH-choff]
- C. This man succeeded Khrushchev as first secretary of the Communist Party; his namesake doctrine held that the Soviet Union had the right to interfere in the affairs of Eastern European countries.  
answer: Leonid (Ilyich) Brezhnev (accept Brezhnev Doctrine) <117276>
4. For 10 points each—in which states did these school shootings occur?
- A. Eric Harris and Dylan Klebold killed twelve students at Columbine High School in 1999.  
answer: Colorado
- B. Charles Carl Robert IV killed five girls at an Amish schoolhouse in 2006.  
answer: Pennsylvania
- C. Jeffrey Weise [wees] killed seven people at Red Lake High School on the Red Lake Indian Reservation in 2005.  
answer: Minnesota <181256>

5. For 10 points each— answer these questions about the sun god Ra:

A. Ra was primarily worshipped by which ancient culture?

answer: ancient Egypt (accept clear-knowledge equivalents)

B. During Egypt's New Kingdom, Ra was most often associated with this other sun god whose worship became dominant in Thebes [theebz] around 2000 BC.

answer: Amon or Amun (or Amen or Ammon; accept Amon-Ra; do not accept “Aton” or “Aten” or “Re”)

C. This pharaoh, competing with the cult of Amon-Ra, tried to introduce monotheism to Egypt; he changed his name to honor his new god.

answer: Akhenaton [ahk-NAH-tun] or Amenhotep IV (or Ikhnatun)

&lt;178121&gt;

6. For 10 points each—in which country would one find these volcanoes?

A. Santorini [san-tor-EE-nee]

answer: Greece or the Hellenic Republic

B. Fuji

answer: Japan

C. Krakatoa [“crack”-uh-TOH-uh]

answer: Republic of Indonesia

&lt;143391&gt;

7. For 10 points each— which presidential administration saw . . .

A. The Crédit Mobilier and Whiskey Ring Scandals?

answer: (Hiram) Ulysses S(impson) Grant

B. The Teapot Dome Scandal?

answer: Warren G(amaliel) Harding

C. Travelgate, Filegate, and Whitewater?

answer: (William Jefferson) Bill Clinton (or William Jefferson Blythe III)

&lt;119288&gt;

8. For 10 points each— name these authors of similarly titled works:

A. This Russian author created the nihilist Bazarov in *Fathers and Sons*.

answer: Ivan (Sergeyevich) Turgenev [tur-GAIN-yeff]

B. This oft-banned author was inspired by his own childhood in a Nottinghamshire coal-mining community to write *Sons and Lovers*.

answer: D(avid) H(erbert) Lawrence

C. Twenty-one pilots die as a result of Joe Keller's defective aircraft parts in this author's 1947 play *All My Sons*.

answer: Arthur (Asher) Miller

&lt;176208&gt;

9. For 10 points each— give the following about Caucasian oil pipeline politics:

A. The cornerstone of American pipeline diplomacy in the Caspian Sea area is preventing routes involving this nation, an antagonist since a 1979 hostage crisis.

answer: Islamic Republic of Iran

B. Because of instability in the Russian Caucasus, the U.S. supported a western pipeline route beginning in this nation with capital Baku [bah-KOO].

answer: Republic of Azerbaijan or Azerbaijan Republic

C. Azerbaijan insisted that the eventual route of the BTC pipeline, which became active in 2006, avoid this nation with which it disputes control of Nagorno-Karabakh [nuh-GOR-noh KAR-uh-bahk].

answer: Republic of Armenia

&lt;181237&gt;

10. For 10 points each—name these noble gases:

A. This lightest noble gas is by far the most common in the Universe.

answer: helium

B. The only naturally occurring isotope of this radioactive noble gas has atomic mass 222. It is a health hazard that can accumulate in basements.

answer: radon [RAY-don]

C. One percent of the Earth's atmosphere consists of this noble gas.

answer: argon

<178109>

11. For 10 points each—name these countries involved with the Zimmermann Telegram in 1917:

A. The telegram was sent by the foreign minister of this country, who wanted to form an alliance against the U.S.

answer: Germany (or Second German Empire or Second Reich)

B. It was sent to the German ambassador in this Western Hemisphere nation then led by Venustiano Carranza [vay-noos-TYAHN-oh kar-RAHN-sah].

answer: Mexico or United Mexican States

C. The telegram was stolen by agents of this power and delivered to the U.S.

answer: United Kingdom of Great Britain and Ireland or U.K. (accept any underlined portion; do not accept "England")

<169879>

12. For 10 points each—name these quarterbacks who led the NFL in various categories in 2005:

A. This University of Michigan alumnus and New England Patriot had 4,110 passing yards.

answer: (Thomas Edward Patrick) Tom Brady(, Jr.)

B. This Bengals QB threw 32 touchdown passes, many of them to Chad Johnson.

answer: Carson Palmer

C. This veteran led the league with 607 passing attempts, but also with 29 interceptions.

answer: Brett (Lorenzo) Favre [FARV]

<174599>

13. For 10 points each—in heraldry, which color or metal is known as . . .

A. Azure [AA-zhur]?

answer: blue

B. Argent [AR-junt]?

answer: silver (accept white)

C. Gules [GOO-uls]?

answer: red

<181439>

14. The *Monopoly* board has six properties that are neither streets nor avenues. For 5 points each—name those properties.

answer: Reading ["redding"] Railroad  
Pennsylvania Railroad  
B & O Railroad (accept Baltimore & Ohio Railroad)  
Short Line Railroad  
Water Works  
Electric Company

<153664>

15. Each row has one more entry than the last, and each entry equals the sum of those to the left and right of it on the previous row. For 10 points each—

A. Identify this arrangement of numbers named for a French mathematician.

answer: Pascal's triangle

B. The entries of Pascal's triangle are what kind of “coefficients” that appear in the expansion of  $a$  plus  $b$  to the  $n$ ?

answer: binomial coefficient(s)

C. What is the value of the second element of the eighth row of Pascal's triangle if the first row consists of the single entry 1?

answer: 7 [7 choose 1]

&lt;176288&gt;

16. For 10 points each—name these characters from *A Christmas Carol*:

A. This owner of a London counting house is visited by three ghosts who convince him to change his ways.

answer: Ebenezer Scrooge

B. This former business partner visits Scrooge to tell him of the coming spirits.

answer: Jacob Marley

C. This is the crippled son of Scrooge's employee, Bob Cratchit.

answer: Tiny Tim Cratchit (prompt on “Cratchit”)

&lt;154422&gt;

17. He died at age 33 in AD 323, after conquering much of the known world. For 10 points each—

A. Name this “great” 4th-century BC leader.

answer: Alexander the Great or Alexander III

B. Alexander was a native of this land north of Greece, which the Greeks considered “barbaric.”

answer: Macedon(ia)

C. Shortly before Alexander's death, his men rebelled when he tried to lead them past the valley of this river that flows through modern-day Pakistan into the Arabian Sea.

answer: Indus River

&lt;113293&gt;

18. For 5 points for one, 10 for two, 20 for three, or 30 for all four—name the first *new* country you would enter if you flew due north, due east, due south, and due west from Madrid, Spain.

answer: France or French Republic [north]

Italy or Italian Republic [east]

Republic of Morocco [south]

Portugal or Portuguese Republic [west]

&lt;101471&gt;

19. Cesium-137, with atomic number 55, undergoes beta decay. For 10 points each—

A. During this process, the nucleus emits what particle with a charge of -1?

answer: electron

B. Thus, the isotope of cesium is converted into an atom of this alkaline earth element used in gastrointestinal imaging.

answer: barium

C. Conservation of energy and momentum requires that the reaction also produce this kind of anti-matter particle with zero charge and zero rest mass.

answer: (electron) anti-neutrino (do not accept “neutrino”)

&lt;177061&gt;

20. For 10 points each—name these alliteratively titled literary works from quotes and authors:

A. "'You are dancing with the only handsome girl in the room,' said Mr. Darcy, looking at the eldest Miss Bennet."  
Jane Austen.

answer: Pride and Prejudice

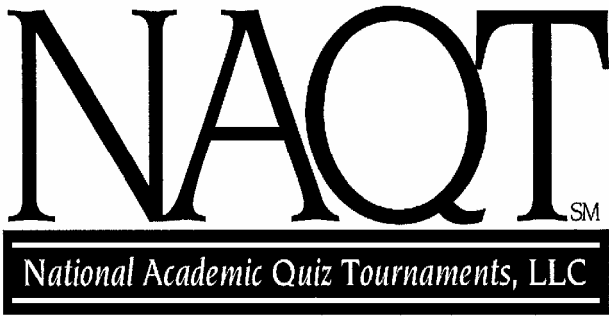
B. "Fared we forth naked, there is none could say which was you, and which the Prince of Wales." Mark Twain.

answer: The Prince and the Pauper

C. "It was appended to a mighty rod of brass, and the whole *hissed* as it swung through the air." Edgar Allan Poe.

answer: The Pit and the Pendulum

<100187>



2006-2007 MNHSQB Set A  
Packet 1

Lightning Rounds

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1. Medical subfields. Which subfield of medicine deals with . . .

A. The skin?

answer: dermatology (accept word forms for all parts)

B. Diseases like gout and arthritis?

answer: rheumatology [ROO-muh-TAH-luh-jee]

C. Children?

answer: pediatrics

D. The heart?

answer: cardiology

E. The nervous system?

answer: neurology

F. The elderly?

answer: geriatrics (do not accept "gerontology")

G. Pregnancy and childbirth?

answer: obstetrics (or OB/GYN; do not accept "gynecology")

H. Mood disorders such as depression?

answer: psychiatry (do not accept "psychology")

I. The digestive tract?

answer: gastroenterology (or gastrology; prompt on "GI")

J. Cancer?

answer: oncology

2. Cities of the world. The answers to this round are in alphabetical order. Which city is . . .

A. The most populous coastal city in the Nile Delta?

answer: Alexandria

B. Most populous in the Netherlands?

answer: Amsterdam

C. Home to every third Alaskan?

answer: Anchorage

D. Capital of Turkey?

answer: Ankara

E. Capital of Madagascar?

answer: Antananarivo [ann-TAH-nah-nah-REE-voh]

F. Second-most-populous in Belgium?

answer: Antwerp

G. Medieval Russia's chief White Sea port?

answer: Archangel (or Arkhangelsk)

H. Home to the Erechtheum?

answer: Athens (or Athínai)

I. Site of the University of Texas' main campus?

answer: Austin

J. French site of a so-called "Babylonian Captivity"?

answer: Avignon [ah-veen-YOHN]

<124711>

3. Notable Nords. From which Nordic country – Norway, Sweden, Denmark, Finland, or Iceland – do these people hail?

A. Film director Ingmar Bergman

answer: Kingdom of Sweden

B. Chemist Jöns Jakob Berzelius [bur-ZAY-lee-us]

answer: Kingdom of Sweden

C. Musician Björk [byork]

answer: Republic of Iceland

D. Physicist Niels Bohr

answer: Kingdom of Denmark

E. Author Isak Dinesen [DEE-nuh-sun]

answer: Kingdom of Denmark

F. Artist Edvard Munch [MOONK]

answer: Kingdom of Norway

G. Philosopher Søren Kierkegaard [KEER-kuh-gard]

answer: Kingdom of Denmark

H. Speed skater Johann Olav Koss

answer: Kingdom of Norway

I. Long-distance runner Paavo Nurmi [NUR-mee]

answer: Republic of Finland

J. Composer Jean Sibelius [sih-BAY-lee-us]

answer: Republic of Finland

<153905>