

1989 High School Tournament
Round Three

1. In mathematical logic, it is the assertion that two statements are both true. In astronomy, it occurs when the sun and a planet are in a straight line. In grammar, it is a part of speech that can be coordinating, subordinating, or correlative. For 10 points--what word is it?

Answer: Conjunction

2. He was apprenticed to Niccolo Amati in 1658 and produced his first independent work in 1666. His greatest work appeared after 1700 when he received royal commissions from James II of England and Charles III of Spain. Many of his 1100 creations are still in active use and regularly fetch record prices at auction. For 10 points--name this Italian craftsman of violins.

Answer: Antonius Stradivarius or Stradivari

3. Stung by charges that he had been surprised at Brandy Station, he went on a far-ranging raid and did not reach Lee's army until the second day of Gettysburg, too late to warn Lee of Union Army strength and positions. For 10 points--name this Confederate cavalry commander described as the "eyes of the army."

Answer: JEB Stuart

4. The Pythagorean Theorem applies to right triangles. There is, however, a law which allows us to find the third side of an oblique triangle given the other two sides and the included angle. For 10 points--what is this law called?

Answer: Law of cosines (not law of sines)

5. A leader stroke, streamers, return stroke, and ion path may all be associated with a phenomenon which itself can be described as ribbon, sheet, heat, ball, and bead. For 10 points--name this meteorological occurrence.

Answer: Lightning

6. It was built about the same time that Louis XIV was building Versailles. Like Versailles it became the seat of its nation's government. Situated on the Gulf of Finland, it provided Russia with a "window to the West." For 10 points--name this former capital city.

Answer: St. Petersburg (not Leningrad)

7. Despite his name he was not twelve feet tall, though he did write some tall tales. FTP--name this American humorist who was anything but humorous in his later writings, such as *Letters from the Earth* and *The Mysterious Stranger*.

Answer: Mark Twain (accept Samuel Clemens)

8. Keats, Coleridge, Byron, and Shelley were four of the greatest British poets of the early 19th century, yet only one of them lived past the age of forty. For 10 points--which one?

Answer: Coleridge

9. It is 100 feet in diameter and 200 feet in height. Its doors are solid silver. The whole of the Koran is written in mosaics on its interior walls, and its exterior walls are of white marble. FTP--what is this famous mausoleum in Agra, India?

Answer: Taj Mahal

10. He was born in Germany in 1803. In 1834, badly in debt, he fled both his creditors and his family and arrived in America hoping to make his fortune. Five years later he became a Mexican citizen and received a grant of land along the Sacramento and American Rivers, where he established a settlement named New Helvetia. On January 24, 1848 his partner, James Marshall, began a train of events that drove him to bankruptcy. For 10 points--name this unfortunate man whose sawmill was overrun by prospectors.

Answer: John A. Sutter

11. You need two mirrors, one only half-silvered. Light traveling between the mirrors is reflected to and fro and builds up rapidly by the stimulated emission process. Types of this apparatus include gas, liquid, semiconductor, and ruby. For 10 points--types of what?

Answer: Laser

12. Typical of her works are *Catching the Thanksgiving Turkey* (1943), *Christmas at Home* (1946), *The Quilting Bee* (1950), and *Taking in the Laundry* (1951). Although her style was strictly two-dimensional, her paintings were charming to the eye. For 10 points--name this primitive painter who died in 1961 at the age of 101.

Answer: Grandma Moses or Anna Mary Robertson

13. Henry was a tall and benevolent man. Edward was short and brutish. Henry and Edward were, however, the same man. For 10 points--in what 19th century novel is this strange case related by Robert Louis Stevenson?

Answer: Doctor Jekyll and Mr. Hyde

14. He was a soldier in the Austro-Hungarian army in World War I, a recruiter for the International Brigade in the Spanish Civil War, and the leader of the Partisan Resistance Movement against Axis occupation of his own country during the 1940's. He was first elected president in 1953 and held that post until his death in 1980. FTP--who was this Yugoslav?

Answer: Marshal Tito (Real name: Josip Broz)

15. "I will not take part in any strike or hinder the conduct of the factory as an open or nonunion shop. My employment may be terminated at any time by you or by me without written notice..." For 10 points--according to union workers, just what kind of "dog" would sign such a contract?

Answer: A yellow dog (it's a yellow-dog contract)

16. He started out as a smuggler but later rose to the rank of captain in the British Merchant Marine--a career whose greatest reward was the opportunity to learn English, a task he brilliantly mastered. For 10 points--name this author of *Nostromo* and *Heart of Darkness*.

Answer: Joseph Conrad (or Teodor Korzeniowski)

16. He had visions in which he saw "white spirits and black spirits engaged in battle, and blood flowing in streams." On the night of August 21, 1831 he and seven followers murdered Joseph Travis and his entire family in their sleep, thus beginning what came to be called the Southampton Insurrection. For 10 points--who was this slave leader whose "confession" was chronicled by William Styron?

Answer: Nat Turner

18. It was searched for in vain for four centuries before Robert McClure proved its existence in 1854. In 1906 Roald Amundsen became the first to sail through it--up Baffin Bay, south of Victoria Island, through Dolphin and Union straits. For 10 points--name this elusive geographical feature first sought by John Cabot in 1497.

Answer: Northwest Passage

19. "You make me sick" might be a major putdown, but some people are capable of making themselves sick. A term, which literally means "mind-body" refers to an illness in which mental activity causes physical malfunction. Gastric ulcer and some types of asthma can often be, for 10 points, what kind of disease?

Answer: Psychosomatic

20. "There was a South of Slavery and secession--that South is dead. There is a South of union and freedom--that south, thank God, is living, breathing, growing, every hour." The time--December 1886; the place--New York City. For 10 points--name the influential newspaper editor whose "New South" failed to emerge in his lifetime.

Answer: Henry Grady

21. His will stated: "My capital shall be invested by my executors in safe securities and shall constitute a fund, the interest on which shall be annually distributed in the form of prizes to those who, during the preceding year, shall have conferred the greatest benefit on mankind." For 10 points--who was this Swedish philanthropist?

Answer: Alfred Nobel

1. (30 points) Shakespeare wrote about the "seven ages of man" in his play Twelfth Night. For 10 points each--what somewhat more recent authors wrote:

- a. The Age of Reason
- b. The Age of Innocence
- c. The Age of Anxiety

Answer: Thomas Paine

Answer: Edith Wharton

Answer: W.H. Auden

2. (30 points) Newton developed the laws of motion and Mendel the laws of inheritance. For 10 points each--which specific type of laws were developed by:

- a. Michael Faraday
- b. Helmholtz, Joule, and Nernst
- c. Johannes Kepler

Answer: Electrolysis

Answer: Thermodynamics

Answer: Planetary Motion

3. (30 points) Three Arab chiefs of state have confusingly similar names. Let's see if you can tell them apart. For 10 points each--of Iraq, Jordan, Algeria, or Morocco, which is led by:

- a. King Hassan II
- b. President Saddam Hussein
- c. King Hussein I

Answer: Morocco

Answer: Iraq

Answer: Jordan

4. (30 points) On December 17, 1903 two men flipped a coin. For 10 points each:

- a. Who won?

Answer: Orville Wright

- b. Name the hill in North Carolina where Orville Wright won this coin flip.

Answer: Kill Devil Hills

- c. Finally, name the Ohio town where the Wright brothers kept a bicycle shop turned flight laboratory.

Answer: Dayton, Ohio

5. (20 points) The International System of scientific units is founded upon seven empirically defined base units. Three of these are the meter, kilogram, and second. For 5 points each--supply the scientific base unit for these other quantities:

- a. electric current
- b. temperature
- c. luminous intensity
- d. amount of substance

Answer: Ampere or Amp

Answer: Degree Kelvin

Answer: Candela

Answer: Mole

6. (30 points) Listen to this musical selection. (PLAY). Now, for 10 points each--tell me:

- a. the name of the composition.
- b. who composed Rhapsody in Blue?
- c. within five years, when did Gershwin's Rhapsody in Blue make its debut?

Answer: Rhapsody in Blue

Answer: George Gershwin

Answer: 1924 (accept 1919-1929)

7. (20 points) Organic chemistry is generally considered among the toughest of college courses. But some organic molecules are so well-known that even high school students must be familiar with them. For 5 points each--identify these four organic molecules (Reader: Hand out card).

Answer: a. Benzene; b. Cyclohexane; c. Naphthalene; d. Toluene

8. (30 points) A river's mouth can be the source of many questions. For 10 points each--identify these terms:

- a. the fan-shaped region at the mouth where silt accumulates.

Answer: Delta

- b. the funnel-shaped part of the river near its mouth where fresh and seawater mix.

Answer: Estuary

- c. the type of lake formed near the mouth when a meander is pinched off at its narrow neck by silt deposits.

Answer: Oxbow

9. (30 points) If I were to say "The Scarlet blank," you would answer "Letter." For 10 points each--complete these three Nathaniel Hawthorne titles:

- a. The Blithedale ...
- b. The House of the Seven ...
- c. The Marble ...

Answer: Romance

Answer: Gables

Answer: Faun

10. (30 points) For 10 points each--supply these terms from genetics, all of which end in "type."

- a. the fundamental constitution of an organism in terms of its hereditary factors.
- b. the visible characteristics of an individual rather than the genetic traits.
- c. a layout of the chromosomes of an individual so as to reveal any defects.

Answer: Genotype

Answer: Phenotype

Answer: Karyotype

11. (25 points) World War II officially started when Germany invaded Poland. For 5 points, name the year; for 15 points, the month; for 25 points, the exact date, of the start of World War II.

Answer: September 1, 1939

12. (30 points) Virtually every city has its own symphony orchestra, rather fewer their own opera company, and fewer still their own ballet company. For 10 points each--name the home cities of the following major ballet companies:

a. Covent Garden

Answer: London

b. Joffrey Ballet

Answer: New York City

c. Kirov Ballet

Answer: Leningrad

13. (25 points) The first Mrs. deWinter never appears in this 1938 novel, but her murdered spirit dominates it nevertheless--indeed the novel shares her first name.

a. For 15 points--what is this classic work, turned into a classic movie by Alfred Hitchcock?

Answer: Rebecca

b. For 10 points--who wrote the novel Rebecca?

Answer: Daphne DuMaurier

14. (25 points) The Federalist papers are considered the outstanding studies in the practical application of political theory. For 5 points apiece:

a. What three men wrote them?

Answer: Alexander Hamilton, John Jay, James Madison

b. Within five, how many Federalist papers are there?

Answer: 85 (accept 80-90)

c. Name either of the years in which they were written.

Answer: 1787 or 1788

15. (30 points) Tennessee Williams created several great female roles in his plays. For 10 points apiece--which Williams play features:

a. The crippled Laura Wingfield

Answer: The Glass Menagerie

b. The immortally wacky Blanche Dubois

Answer: A Streetcar Named Desire

c. The scheming Maggie Pollitt

Answer: Cat on a Hot Tin Roof

16. (20 points) When Hong Kong reverts to Chinese ownership in 1997, only one nation will maintain a colony within China. For 10 points each:

a. what European nation will control its own small piece of Chinese territory until 1999.

Answer: Portugal

b. what is the name of this Portuguese colony?

Answer: Macao

17. (25 points) Time's book review labeled it as "the most consciously obscure work that a man of acknowledged genius has produced... there is not a sentence to guide the reader in interpreting it; there is not a single direct statement of what... in the simplest sense, it means." The year was 1939; the work opened with the word "Riverrun."

a. For 15 points--give the title of this book?

Answer: Finnegans Wake

b. For 10 points--who was the author of Finnegans Wake?

Answer: James Joyce

18. (20 points) Consider a regular polyhedron. Now, take the number of its vertices, subtract the number of its edges, and then add the number of its faces. For 20 points--what is the result, regardless of the polyhedron you have chosen?

Answer: Two

19. (20 points) In 1965, President Lyndon Johnson signed Executive Order 11246 concerning federal contractors. For 20 points--what two-word term names the policy mandated by this order?

Answer: Affirmative Action

20. (20 points) This early American artist borrowed pigments from the Indians and constructed a homemade brush with hairs plucked from the family cat. His paintings include The Death of General Wolfe and Penn's Treaty With the Indians. For 20 points--name this American who became the official historical painter for King George III of England.

Answer: Benjamin West