

G.A.T.A. 1993 State Tournament - Round 12

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T1. Later in life, he suffered official rebuffs: his Sixth Symphony was only half approved, his Third Violin Sonata remained unperformed, and the opera, The Story of a Real Man was suppressed on the eve of production. However, his earlier works produced in the west were much more successful. For 10 points, identify this man whose other works include The Gambler and Peter and the Wolf.

Answer: Sergei Prokofiev

B1. For 5 points each, give the composers of the following musical works.

- | | |
|-----------------------|------------------------------|
| 1. Bolero | Answer: Maurice Ravel |
| 2. Kreutzer Sonata | Answer: Ludwig von Beethoven |
| 3. Leningrad Symphony | Answer: Dmitri Shostakovich |
| 4. Pines of Rome | Answer: Ottorino Respighi |

T2. He proposed that Congress should increase the amount of currency in circulation, thus allowing extra money to be spent on public works to create jobs. To bring his plan to the attention of Congress, he decided to send a "living petition" of unemployed masses to Washington. For 10 points, identify this man who in 1894 was arrested when he and his "army" of 500 followers arrived in Washington.

Answer: Jacob Coxey

B2. Identify these explorers of early America for 5 pts. each.

1. This man sailed his Half Moon on behalf of the Dutch East India Company.
Answer: Henry Hudson
2. This "Father of New France" explored the St. Lawrence River Valley and founded the post that is known as Quebec today.
Answer: Samuel de Champlain
3. This Spanish explorer was the first European to see the Mississippi River
Answer: Hernando de Soto
4. In 1497 this Italian navigator explored the coast of Labrador in the employ of England.
Answer: John Cabot

T3. It began to break up about 200 million years ago and split into Gondwanaland in the south and Laurasia in the north. For 10 points, what is this "super-continent"?

Answer: Pangaea

B3. Answer the following questions about the asteroids of the solar system.

1. For 10 points, what Italian astronomer discovered and named the first asteroid on New Year's Eve, 1801?
Answer: Guiseppe Piazzi
2. Piazzi named his asteroid for a Roman goddess of the harvest. For 10 points, what did he call his asteroid?
Answer: Ceres

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T4. Located on the Bight of Benin, an inlet of the gulf of Guinea, it occupies four large islands and parts of the mainland. The population of just over a million is 80 per cent Yoruba. For 10 points, identify this city that until November 1992 was the capital of Nigeria.

Answer: Lagos

B4. Identify the large islands that lie across the following bodies of water for 10 points each.

1. Across the Palk strait from India

Answer: Sri Lanka

2. Across the Straits of Malacca from the Malay Peninsula.

Answer: Sumatra

T5. Pencil and paper ready. If a fair coin is flipped three times, then what is the probability that heads will show twice and tails once?

Answer: 3/8

B5. For 5 points for each, give the two roots of the following equations.

1. $2x^2 - 3x - 2 = 0$

Answer: 2 and $-1/2$ [negative one-half]

2. $6x^2 + 10x + 4 = 0$

Answer: $-2/3$ and -1 [note both answers are negative]

T6. Though they are often thought of as a single hormone, they are actually a group of hormones. They are all steroids and derived from cholesterol. For 10 points, what are these compounds, any of which act female sex hormones and are secreted by mature ovarian follicles?

Answer: estrogen

B6. Identify the following tubes in the excretory system of animals. 10 points each.

1. These tubes conduct urine from the kidney to the bladder.

Answer: ureters

2. Urine is conducted outside the body from the bladder via this tube.

Answer: urethra

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T7. His more philosophical works include A Careful and Strict Enquiry into Freedom of the Will. But he is better known for his verbal deliveries. For 10 points, identify this minister and author of Sinners in the Hands of an Angry God.

Answer: Jonathan Edwards

B7. Give the title of the Robert Frost poem from which the following lines are taken. 5 pts. each.

1. "The land was ours before we were the land's"

Answer: The Gift Outright

2. "Something there is that doesn't love a wall".

Answer: The Mending Wall

3. "But I have promises to keep/And miles to go before I sleep..."

Answer: Stopping by Woods on a Snowy Evening

4. "Two roads diverged in a wood..."

Answer: The Road Not Taken

T8. In addition to being a prolific painter, this artist was also a humanist, scholar, and diplomat who served in Spain, where he met Velasquez and painted the royal family. For 10 points, name this artist of "The Judgement of Paris," "Peasant Dance" and a cycle on the life of Marie de Medici.

Answer: Peter Paul Rubens

B8. Identify the British landscape artist described by the following, 10 points each.

1. Born in 1776, he painted many views of Salisbury Cathedral.

Answer: John Constable

2. This artist born in 1775 painted "The Burning of the Houses of Parliament" and "Rain, Steam, and Speed".

Answer: J.M.W. Turner

T9. His real name was Tashunko Witko; his father was an Oglala medicine man and his mother a Brule. As a youth, he was known as Curly, but later in life he adopted the nickname by which he is remembered today. For 10 points, identify this leader who along with Gall on 25 June, 1876 wiped out the force of General Custer at the Little Big Horn.

Answer: Crazy Horse

B9. Given a brief description of the ruling and the year, identify the following Supreme Court decisions. 5 pts. each.

1. 1819: Chief Justice Marshall's opinion upheld the constitutionality of the National Bank.

Answer: McCullough vs. Maryland

2. 1944: This decision upheld FDR's executive order which approved West Coast evacuation and internment of Japanese-Americans during World War II.

Answer: Korematsu vs. U.S.

3. 1963: Reversed ruling in Betts vs. Brady, the court held that the 6th amendment guaranteed access to qualified counsel.

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Answer: Gideon vs. Wainwright

4. 1824: This decision upheld the right of Congress to regulate interstate commerce.

Answer: Gibbons vs. Ogden

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T10. His greatest success came with a series of essays that included "Dream Children", "The South Sea Horse" and "A Dissertation on Roast Pig". For 10 points, identify this man who along with his sister wrote children's books including Tales From Shakespeare.

Answer: Charles Lamb

B10. For 10 points each, identify the following plays by George Bernard Shaw from a brief description.

1. It is centered around a young woman in the Salvation army.

Answer: Major Barbara

2. Ellie Dunn enters the lives of a group gathered at the home of an eccentric sea captain while she searches for a husband.

Answer: Heartbreak House

T11. Pencil and paper ready. Given the binary number 1111, for 10 points, what is its decimal equivalent?

Answer: 15

B11. Give the values of the following trig functions. 10 points each.

1. tangent 480 degrees

Answer: negative square root of three

2. cosine of 1860 degrees

Answer: 1/2 or .5

T12. It is derived from the Greek for oblivion and comes from the name for the river of Hades that induced forgetfulness. For 10 points, what is this term that in English refers to an abnormal drowsiness or sluggishness?

Answer: lethargy

B12. For 10 points each, translate the following sentences into English. You need not attempt to translate proper names.

1. Portia pulchra puella est.

Answer: Portia is a pretty girl. (accept synonyms for pretty and girl, ie beautiful, maiden, young woman etc...)

2. Hans spielt schach.

Answer: Hans plays chess

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T13. Simon Kuznets won the 1971 Nobel Prize in Economics for his work in economic statistics, in particular for developing this concept. For 10 points, identify this term applied to the sum total of goods and services produced within a country in a given period of time.

Answer: gross national product or GNP

B13. Answer the following questions about the Rosetta stone.

1. For 5 points, who translated it?

Answer: Jean Francois Champollion

2. For 5 points each, in what symbolic systems were the two versions of the Egyptian inscriptions written?

Answer: hieroglyphics, demotic

3. For 5 points, what other language also appears on the stone?

Answer: Greek

T14. It is a gas, made commercially by catalytic oxidation of methyl alcohol, but it is generally handled as a 37 per cent solution in water called formalin. For 10 points, what is this simplest of the aldehydes widely used as a preservative of biological specimens?

Answer: formaldehyde or methyl aldehyde or methanal

B14. Two of the most important minerals that contain metallic elements are cinnabar and galena. Both of these are sulfides of the metal mined from them. For 10 points, give the metallic element extracted from:

1. galena

Answer: lead

2. cinnabar

Answer: mercury

T15. Its motto is "Nothing Without Providence," and it was admitted to the Union as the 38th state in 1876. Boxer Jack Dempsey and jurist Byron White are both from this state, which boasts a federal mint and the US Air Force Academy. For 10 points, identify the Centennial State.

Answer: Colorado

B15. Give the state which has the following nickname. 5 pts. each.

1. Keystone State

Answer: Pennsylvania

2. Land of Enchantment

Answer: New Mexico

3. Treasure State

Answer: Montana

4. Beehive State

Answer: Utah

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T16. The US Atomic Energy Commission's highest award is named for this man who helped develop the atomic bomb. In 1934 he demonstrated nuclear fission, and in 1938, he won the Nobel Prize for his discovery of nuclear reactions brought about by slow neutrons. For 10 points, identify this Italian-American physicist.

Answer: Enrico Fermi

B16. For 10 points each, identify these physics terms that began with the letters "ed".

1. these currents are closed loops of induced current that occur in a piece of metal when there is relative motion between the metal and a magnetic field. The flow in such a direction such that the resulting magnetic forces oppose the relative motion.

Answer: eddy currents

2. it is the name given to the emission of electrons from a heated metal in a vacuum and is named for an American scientist and inventor.

Answer: Edison effect

T17. He received an excellent education from tutors such as George Buchanan and after a tumultuous minority, began his personal rule of Scotland in 1583. In 1589, he married Anne of Denmark, who bore him several children but annoyed him by becoming a Roman Catholic. For 10 points, identify this son of Lord Darnley and Mary Queen of Scots who in 1603 became the first Stuart monarch of England.

Answer: James I or James VI of Scotland

B17. Answer the following questions about the history of modern China. 10 pts. each.

1. What name is given to the Chinese Nationalist Party organized in 1912 by Sung Chiao-jen? Answer: Kuomintang (prompt for more information on KMT)

2. What leader of the Kuomintang from 1916 to 1925 was succeeded by Chiang Kai-Shek?

Answer: Sun Yat-Sen

T18. Pencil and paper ready. For 10 points, what is the slope of the line tangent to the function $y=x^3 + 5$ at the point $x=2$.

Answer: 12

B18. Identify these terms associated with parabolas for 10 points each.

1. It is the chord through the focus and perpendicular to the major axis.

Answer: latus rectum

2. This name is given to the fixed line from which all the points of the parabola are equidistant.

Answer: directrix

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T19. His name was Dan'l Webster. Jim Smiley's plan was foiled when a stranger poured quail shot down Dan'l's throat. For ten points, tell what Dan'l was and thus identify the Mark Twain story in which he appears.

Answer: The Celebrated Jumping Frog of Calaveras County

B19. Give the contemporary American authors of the following novels for 5 points each.

1. S.

Answer: John Updike

2. Billy Bathgate

Answer: E.L. Doctorow

3. The World According to Garp

Answer: John Irving

4. Portnoy's Complaint

Answer: Philip Roth

T20. Genetic information is contained in sets of three bases within strands of DNA. For ten points, give the term that describes one of these triads of bases.

Answer: Codon

B20. Identify these structures associated with embryonic development. 10 points each.

1. This is the name applied to the fluid in which an embryo develops; it acts as a cushion against mechanical damage.

Answer: amniotic fluid

2. This vascular structure found in pregnant mammals is formed from the mother's endometrium and the embryo's chorion.

Answer: placenta

T21. During World War II, it was named Keijo by the Japanese during their occupation of it. Following the war its name was restored. For 10 points, identify this city, connected by rail to the port of Inchon that currently serves as the capital of South Korea.

Answer: Seoul

T22. It is sometimes called Caledwlch but is better known by another name. It was returned by Sir Bedivere to the Lady of the Lake upon the death of King Arthur. For 10 points, what is this famous sword of King Arthur.

Answer: Excalibur