G.A.T.A. 1993 State Tournament - Round 2

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T1. He made his first space flight in March, 1966 as commander of Gemini 8. For ten points, name this man who was rescued by the aircraft carrier Hornet on March 24, 1966 and who later became the first man to walk on the moon.
   Answer: Neil <u>Armstrong</u>

B1. Given a title of a work on American military history, give the author for 5 points and the war on which it is based for 5 points.
1. The Guns of August
   Answer: Barbara <u>Tuchman</u>, <u>World War I</u>
2. A Bridge Too Far
   Answer: Cornelius <u>Ryan</u>, <u>World War II</u>

T2. Instead of depicting their subjects from a single perspective, they showed views of an object from different angles simultaneously. For ten points, name this group of artists led by Picasso and Braque.
   Answer: <u>Cubists</u> or cubism

B2. Identify the Flemish artists who painted the following.
1. The Garden of Earthly Delights
   Answer: Heironymous <u>Bosch</u>
2. The Blind Leading the Blind
   Answer: Pieter <u>Bruegel</u> the Elder

T3. (Pencil and paper may be necessary) Suppose that two fair, six- faced dice are thrown simultaneously. For ten points, what is the probability that the sum of the two resulting numbers will be even?
      Answer: <u>1/2</u>

B3. Find the areas of the following objects. 10 pts. each.
1. an equilateral triangle of side 4
   Answer: 4 times square root of 3
2. a regular hexagon of side 4
   Answer: 24 times square root of 3

T4. It consists of over 2 million acres, including the world's most active geyser area. It is spread through the states of Wyoming, Montana and Idaho. For ten points, name this National Park.
   Answer: <u>Yellowstone</u>

B4. For 5 points each, in what Asian nation would you find the mouths of the following rivers?
1. Irrawaddy   Answer: <u>Burma</u> or Myanmar
2. Ganges   Answer: <u>Bangladesh</u>
3. Mekong   Answer: <u>Vietnam</u>
4. Amur   Answer: <u>Russia</u>

T5. The title character is named Mellors, and he runs off with Connie, the wife of Sir Clifford. For 10 points, in what 1928 novel by D.H. Lawrence do these characters appear?
   Answer: <u>Lady Chatterley's Lover</u>

B5. Identify the poetry collections that feature the following poems and the poet who wrote it. 5 pts. for each part.
1. I Sing the Body Electric   Answer: <u>Leaves of Grass</u>, Walt <u>Whitman</u>
2. Paul Revere's Ride   Answer: <u>Tales of a Wayside Inn</u>, H.W. <u>Longfellow</u>

T6. This general class of rocks was described and explained by Leonardo da Vinci. For ten points, name this class of rocks which are formed from strata, or layers of deposits.
   Answer: <u>Sedimentary</u>

B6. Answer the following questions about earthquakes for 5 points each.
1. What device is used to measure movements in the earth's crust?
   Answer: <u>seismograph</u> or seismometer
2. What name is applied to the point on the earth's surface directly above the point where the earthquake originated?
   Answer: <u>epicenter</u>
3. What name is given to the point below the earth's surface where an earthquake originates?
   Answer: <u>focus</u>
4. What logarithmic scale is used to measure the power of an earthquake?
   Answer: <u>Richter</u> scale

T7. Raised by his sister and her husband Joe Gargery, he encounters Magwitch, is bewitched by Estella, and comes to know the eccentric Miss Havisham. For ten points, name the main character of Great Expectations.
   Answer: <u>Pip</u> (Phillip Pirrip)

B7. Identify the following 18th century English plays from a brief description. 10 pts. each.
1. This comedy by Richard Brinsley Sheridan features the characters Bob Acres and Jack Absolute vying for the hand of Lydia Languish .
   Answer: The <u>Rivals</u>
2. In this Goldsmith comedy Marlow sets out to win the hand of Miss Hardcastle.
   Answer: <u>She Stoops to Conquer</u>

T8. Pencil and paper ready. Consider the following equation of a line: 6y plus 4x equals 14x minus 36. For 10 points, at what points does this line intersect the y-axis?
   Answer: <u>-6</u> [negative six]

B8. You can earn 10 points each for solving the following calculations involving the natural logarithm. Assume the natural log of 2 to be equal to .7
1. What is the natural log of 8?
   Answer: 2.1
2. What is the natural log of 20 minus the natural log of 5?
   Answer: 1.4

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T9. Born in 1862, this French composer only completed one opera, "Pelleas et Melisande". For 10 points, identify this composer who best known works include "La Mer" and "Clair de Lune".
   Answer: Claude <u>Debussy</u>

B9. Give the first names of the following Italian operatic composers that all begin with G. 5 pts. each.
1. Puccini
   Answer: <u>Giacomo</u>
2. Donizetti
   Answer: <u>Gaetano</u>
3. Menotti
   Answer: <u>Gian-Carlo</u>
4. Verdi
   Answer: <u>Guiseppe</u>

T10. Examples include serotonin, dopamine, noradrenalin, and acetylcholine. For 10 points, what are these chemicals secreted by nerve cells that can stimulate or inhibit the flow of an impulse between neurons?
   Answer: <u>neurotransmitter(s)</u>

B10. Give the collective name of the following body parts. 10 pts. each.
1. Sublingual, Submaxillary, parotid
   Answer: <u>salivary glands</u>
2. dura mater, pia mater, arachnoid
   Answer: <u>meninges</u>

T11. This mythological character was the subject of Keats' first long poem. He was a handsome young shepherd on Mount Latmos with whom the moon goddess, Selene, fell in love. For 10 points, identify this man who was granted eternal youth so long as he remained the sleeping lover of the goddess.
         Answer: <u>Endymion</u>

B11. For 10 points each, identify the mothers who had the following children with Zeus.
1. Minos and Rhadamanthus
   Answer: <u>Europa</u>
2. Helen, Clytemnestra, Castor, Pollux
   Answer: <u>Leda</u>

T12. Discovered in 1958, they extend from a few hundred to about fifty thousand kilometers above the earth's surface and radiate intensely enough to make it essential for astronauts to be specially protected from them. For 10 points, identify these belts of high energy charged particles surrounding the earth.
   Answer: <u>Van Allen</u> Belts

B12. Your team has won so many Academic tournaments that the lower shelves of your trophy case are full. For 10 points, in joules, if you have a 150 newton trophy and you must place it at the top of a 3 meter tall shelf, how much work must you do in order to move the trophy to the top of the shelf?
   Answer: <u>450</u> joules
2. For an additional 10 points, if that trophy fell to the ground, with what kinetic energy would it hit the floor?
   Answer: <u>450</u> joules

T13. In French it is called a parapluie. In German it is called a Regenschirm. In Spanish it is paraguas. For 10 points, what is the English word for this weather protecting device?
   Answer: <u>umbrella</u>

B13. Given a definition, give the word which fits that definition that begins "enc-" for 5 points each.
1. a territorial or culturally distinct unit enclosed within foreign territory
   Answer: <u>enclave</u> [not enclosure]
2. to enter by gradual steps, to advance beyond the usual or proper limits
   Answer: <u>encroach</u>
3. to bewitch
   Answer: <u>enchant</u>
4. a papal letter to the bishops of the church as a whole
   Answer: <u>encyclical</u>

T14. Born in 1766, this English political economist theorized that while population increases much more rapidly than the means of subsistence. For ten points, name this author of An Essay on the Principle of Population.
   Answer: Thomas <u>Malthus</u>

B14. Identify the authors of the following classic texts of economics. 10 pts. each.
1. The Principles of Political Economy and Taxation
   Answer: David <u>Ricardo</u>
2. The General Theory of Employment, Interest, and Money
   Answer: John Maynard <u>Keynes</u>

T15. The group one-A metals are referred to as the Alkali metals. For ten points, what similar name refers to the group two-A metals?
   Answer: <u>Alkaline Earth</u> Metals

B15. Give the chemical name for the following ions. 5 pts. each.
1. C2H3O2 minus
   Answer: <u>acetate</u>
2. ClO minus [read: C-L-O minus]
   Answer: <u>hypochlorite</u>
3. CN minus
   Answer: <u>cyanide</u>
4. H3O plus
   Answer: <u>hydronium</u>

T16. This statesman founded the French Academy and was largely responsible for the decline of Protestantism in France. For ten points, name this chief minister of Louis the 13th.
   Answer: Cardinal <u>Richelieu</u>

B16. For 10 points each, given an American war, give the name applied to the European phase of that same war. 10 pts. each.
1. Queen Anne's War
   Answer: War of the <u>Spanish Succession</u>
2. King George's War
   Answer: War of the <u>Austrian Succession</u>

T17. These relatives of the giraffe are unusual in that the female is generally larger than the male. They live in the east Congo rain forests and were, for a time, thought to be extinct. For 10 points, identify these strange animals with a purplish-brown coat and stripes on the legs and buttocks.
   Answer: <u>okapi(s)</u>

B17. For 10 points each, identify these terms used to describe multi-cellular fungi.
1. These filaments comprise the main body of the fungus.
   Answer: <u>hyphae</u>
2. This is a tangled mass of hyphae that forms the vegetative body or thallus of a fungus.
   Answer: <u>myceliumm</u>

T18. This 20th century Italian scholar is a famous authority on semiotics. However, he is perhaps more famous for his novels. For 10 points, identify this author of Foucault's Pendulum and The Name of the Rose.
   Answer: Umberto <u>Eco</u>

B18. Identify the central character of the following "Red" novels. 10 pts. each.
1. The Red and the Black

Answer: Julien <u>Sorel</u>

2. The Red Badge of Courage

Answer: Henry <u>Fleming</u>

T19. Its sections have subtitles such as "The Bringer of Love", "The Bringer of Jollity," and "The Bringer of War." For ten points, identify this symphonic work by Gustav Holst.
   Answer: The <u>Planets</u>

B19. For 10 points each, identify the composers of the following symphonic poems.
1. Don Quixote
   Answer: <u>Richard Strauss</u>
2. Les Preludes
   Answer: Franz <u>Liszt</u>

T20. Perhaps ironically, it was cast in England in 1752 for the Pennsylvania Statehouse. Its inscription reads "Proclaim liberty throughout the land". For 10 points, identify this symbol of the American Revolution that can be seen in Independence Park in Philadelphia.
   Answer: <u>Liberty Bell</u>

B20. Identify the presidents from whom the following quotations are taken. 10 points each.
1. "It is our true policy to steer clear of permanent alliance with any portion of the foreign world."
   Answer: George <u>Washington</u>
2. "A house divided against itself cannot stand."
   Answer: Abraham <u>Lincoln</u>

T21. The decisive battle in the War of the Third Coalition is now known as Napoleon's most brilliant victory. For ten points, name this 1805 battle.
   Answer: The Battle of <u>Austerlitz</u>

T22. Born in 1923, this South African novelist's works include July's People and Burger's Daughter. For ten points, name this winner of the 1991 Nobel Prize for Literature.
   Answer: Nadine <u>Gordimer</u>