G.A.T.A. 1993 State Tournament - Round 4
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T1. Pierre Soule, John Mason, and James Buchanan met in Belgium to draft this controversial document as part of a plan by the United States to acquire Cuba from Spain. For 10 points, name this 1854 statement.
    Answer: <u>Ostend Manifesto</u>

B1. Identify the following strikes from American history for 10 points each.
1. This 1894 strike led President Cleveland to send troops to Illinois over the objections of its governor, John Peter Altgeld.
    Answer: <u>Pullman</u> Strike
2. When this city's police force went on strike, Gov. Calvin Coolidge issued the statement, "There is no right to strike against the public safety by anyone, anywhere, anytime".
    Answer: <u>Boston</u>

T2. This name was applied to the generation of weather satellites that followed the TIROS series. It can also be applied to a halo-like ring of light. For 10 points, what is this term applied to low-level rain clouds?
    Answer: <u>nimbus</u>

B2. For 5 points each, what meteorological instrument is used to measure the following phenomena?
1. wind speed
    Answer: <u>anemometer</u> or anemograph
2. relative humidity
    Answer: <u>hygrometer</u> or <u>psychrometer</u> [not hydrometer]
3. air pressure
    Answer: <u>barometer</u>
4. For a final 5 points, what is measured by an ombrometer?
    Answer: <u>rainfall,</u> precipitation, accept equivalents indicating water
    measurement

T3. This painter's less well known works include the "Rokeby Venus". Other works include a portrait of Pope Innocent X. For 10 points, identify this Spanish artist of "The Maids of Honor".
    Answer: Diego <u>Velasquez</u>

B3. Identify the Spanish painters of the following works. 10 pts. each.
1. The Disasters of War
    Answer: Francisco <u>Goya</u>
2. Premonitions of Civil War
    Answer: Salvador <u>Dali</u>

T4. He spent much of his early life fighting in South America and worked as a candlemaker and ship's captain in the U.S. In 1860, he was responsible for the capture of Sicily and Naples. For 10 points, identify this leader of the "Red Shirts".
    Answer: Giuseppe <u>Garibaldi</u>

B4. Answer the following questions about the Third Crusade. 5 pts. each.
1. It was launched in response to the conquest of almost all of Palestine by what Sultan?
    Answer: <u>Saladin</u>
2. This crusade's leadership featured a Holy Roman Emperor, a King of France, and a King of England. For 5 points each, name these leaders.
a) Holy Roman Emperor
    Answer: <u>Frederick I</u>
b) King of France
    Answer: <u>Philip Augustus</u> or Philip II
c) King of England
    Answer: <u>Richard I</u> or Richard the Lion Hearted

T5. Bordered by Nigeria, Niger, Burkina Faso and Togo, it was known from 1960 to 1975 as the Kingdom of Dahomey. For 10 points, identify this African nation with its capital at Porto Novo.
    Answer: <u>Benin</u>

B5. For 5 points each, give the U.S. state in which you would find the following national parks.
1. Big Bend
    Answer: <u>Texas</u>
2. Badlands
    Answer: <u>South Dakota</u>
3. Bryce Canyon
    Answer: <u>Utah</u>
4. Channel Islands
    Answer: <u>California</u>

T6. For a system of n simultaneous equations, the solution value for each variable is equal to the fraction in which the denominator is the determinant of the coefficients of the n variables and the numerator is the same determinant with the variable being solved for having its values replaced with the constant terms of the system of equations. For 10 points, this is a brief statement of whose rule for solving systems of equations?
    Answer: <u>Cramer's</u> rule

B6. For 10 points per variable, solve the following system of equations: x plus 2 y equals 5 and 2x plus 3y equals zero.
    Answer: <u>x=-15</u>, <u>y=10</u>

T7. His literary essays include The Necessary Angel. His poetry includes Le Monocle de Mon Oncle, and The Emperor of Ice Cream. For ten points, name this American poet and insurance executive.

Answer: Wallace Stevens

B7. Identify the novels for which the following persons won the Pulitzer Prize in the following years. 10 pts. each.
1. 1968, William Styron

Answer: Confessions of Nat Turner
2. 1958, James Agee

Answer: A Death in the Family

T8. It was established in 27 BC and disbanded in 312 AD by Constantine. Commanded by a prefect, it numbered up to 16,000 men who attended the emperor constantly. For 10 points, what is this imperial bodyguard of ancient Rome?

Answer: Praetorian Guard

B8. The treaty of Versailles was the official peace document between the World War I victors and Germany. For 10 points each, identify the defeated power that signed the following treaties with the Allies.
1. Treaty of Neuilly

Answer: Bulgaria
2. Treaty of St. Germain

Answer: Austria (do not accept Austria-Hungary and do not prompt for more information)

T9. It was first used in 1929 by Alfred H. Barr to refer to the early work of Wassily Kandinsky. For 10 points, what is this two word term applied to the art works of Robert Motherwell, Lee Krasner, and Jackson Pollock?

Answer: abstract expressionism [not action painting]

B9. Identify the artists who painted the following works. 10 pts. each.
1. The Dutch artist of "The Artist in His Studio" and "Woman with a Pitcher"

Answer: Jan Vermeer
2. The Italian artist of "The Concert", "Sleeping Venus" and "The Tempest"

Answer: Giorgione

T10. This scientific phenomenon was observed when pollen grains in water moved faster when heat was applied. For 10 points, what is this kinetic phenomenon, named for the botanist who discovered it, that was explained by Einstein in 1905?

Answer: Brownian motion

B10. Solve the following circuit problems for 10 points each.
1. If you have a 3 ohm and a 6 ohm resistor in series, what is their combined

resistance?

Answer: <u>9</u> ohms

2. If you have a circuit with a 5 ohm resistance and a current flowing through it of 2.5 amps, what is the potential difference across the resistance?

Answer: <u>12.5</u> volts

T11. Its components are centered on the medieval elements of earth, air, fire and water and it is comprised of East Coker, Little Gidding, Burnt Norton, and The Dry Salvages, For 10 points, what is this poem in four parts by T.S. Eliot?

Answer: <u>Four Quartets</u>

B11. Identify the subject of the Keats odes that contain the following lines. 10 pts each.
1. My heart aches, and a drowsy numbness pains/My sense, as though of hemlock I had drunk"

Answer: Ode to a <u>Nightingale</u>
2. "O Goddess! hear these tuneless numbers wrung/ by sweet enforcement and remembrances dear"

Answer: Ode to <u>Psyche</u>

T12. They produce microspores which later develop into pollen and are comprised of a filament and an anther. For 10 points, identify these pollen producing plant organs.

Answer: <u>stamen</u>

B12. Identify the following parts of the digestive system for 5 points each.
1. It is the first portion of the small intestine.

Answer: <u>duodenum</u>
2. It is the last segment of the small intestine before the opening to the large intestine.

Answer: <u>ileum</u>
3. It is the small dead end chamber off the cecum of the large intestine.

Answer: vermiform <u>appendix</u>
4. It is the S-shaped portion of the colon.

Answer: <u>sigmoid</u> colon or sigmoid flexure

T13. This composer created 10 symphonies and 40 lieder. His works include <u>The Song of Lament</u>, <u>Songs of a Wayfarer</u>, and <u>The Song of the Earth</u>. For 10 points, identify this composer of <u>Symphony of a Thousand</u>.

Answer: Gustav <u>Mahler</u>

B13. For 5 pts. each, identify the American composers of the following works.
1. Three Places in New England   Answer: Charles <u>Ives</u>
2. Fanfare for the Common Man   Answer: Aaron <u>Copland</u>
3. Einstein on the Beach   Answer: Philip <u>Glass</u>
4. Jeremiah Symphony   Answer: Leonard <u>Bernstein</u>

T14. Their name is derived from the Latin for "to carry on" or "engage in". An example is the word "visiting" in the sentence: They appreciate my visiting. For 10 points, what is this verbal in which the participle of a verb is used as a noun?
     Answer: <u>gerund</u>

B14. For 10 points each, tell me what literary term is being identified.
1. This name is applied to the recurrence of the same vowel sound in a group of words.
     Answer: <u>assonance</u>
2. It is the name applied to the pleasing effects of sounds produced by the combination of words in sentences or of phonetic elements in spoken words.
     Answer: <u>euphony</u>

T15. In this decision, the Supreme Court ruled for the first time that legislative apportionment was subject to Federal judicial scrutiny. For 10 points, identify this 1962 Supreme Court decision that shifted political power from rural to urban areas.
     Answer: <u>Baker vs. Carr</u>

B15. For 5 points each, identify the amendment to the Constitution which accomplished the following.
1. Eliminated poll tax
     Answer: <u>24</u>
2. Direct election of Senators
     Answer: <u>17</u>
3. Judicial power of the United States not to extend to suits against a state
     Answer: <u>11</u>
4. prohibited unreasonable search and seizure
     Answer: <u>4</u>

T16. Pencil and paper ready. For 10 points, expressed in degrees, what is the smallest positive angle for which the tangent is equal to one?
     Answer: <u>45</u>

B16. Identify the following terms from mathematics for 10 points each.
1. It is a double point on a curve at which the two tangents to the curve are coincident.
     Answer: <u>cusp</u>
2. It is a field of science developed by Norbert Wiener which generalizes common properties of varied systems such as automatic factories, computers, and living organisms.
     Answer: <u>cybernetics</u>

T17. Like many writers of his generation, he drove an ambulance during World War I. For ten points, name this American poet of Tulips and Chimneys and in just spring.

   Answer: Edward Estlin <u>Cummings</u>

B17. For 5 points each, identify the Mark Twain works featuring the following characters.
1. The Duke and the Dauphin
   Answer: <u>Huckleberry Finn</u>
2. Hank Morgan
   Answer: <u>A Connecticut Yankee in King Arthur's Court</u>
3. Tom Canty
   Answer: <u>The Prince and the Pauper</u>
4. Injun Joe
   Answer: <u>Tom Sawyer</u>

T18. It is an area of the eye that has no thick layer of nerve fibers, no blood vessels, and no rods. For 10 points, identify this cone-filled shallow pit of the retina that is the area of sharpest vision in humans.

   Answer: <u>fovea</u>

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18. Identify these types of plant plastids for 10 points each.
1. These colorless plastids are involved in food storage.
   Answer: <u>leukoplasts</u>
2. These plastids contain pigments such as chlorophyll and are involved in food synthesis.
   Answer: <u>chromoplasts</u>

T19. The author, in a letter to the Veronese nobleman Can Grande Della Scala, states that it has four levels of meaning: the literal, the allegorical, the moral, and the anagogical. For 10 points, identify this epic poem in three parts finished in 1321, the year its author died.

   Answer: <u>Divine Comedy</u> or La Divina Commedia

B19. Identify the authors of the following works of French literature for 5 points each.
1. Tartuffe
   Answer: <u>Moliere</u>
2. Phedre
   Answer: Jean <u>Racine</u>
3. Hernani
   Answer: Victor <u>Hugo</u>
4. Le Cid
   Answer: Pierre <u>Corneille</u>

T20. In 1862, Alexandre-Emile Beguyer de Chancourtois developed an early version of this man's work, but it is poorly understood. For 10 points, identify this Russian chemist who discovered the periodicity of the elements and arranged them in a table.

    Answer: Dmitri <u>Mendeleyev</u>

B20. For 10 points each, what is the normality of the following solutions.
1. 2 molar HCl   Answer: <u>2</u> Normal
2. .3 molar H3PO4   Answer: <u>.9</u> normal

T21. His lesser known works incude the "The Celestial Omnibus" and "The Classical Annex". His novels include Where Angels Fear to Tread and Howards End. For ten points, who is this English author of A Passage to India.

    Answer: E(dward) M(organ) <u>Forster</u>

T22. Born in 1821, she served as a nurse in the American Civil War, and later in the Franco-Prussian War. For ten points, name this founder of the American Red Cross.

    Answer: Clara <u>Barton</u>