

PENN BOWL 10

A Buzzer Odyssey

Tossups by

Michigan

6/19/03
5/24/01
04/05/02
17

1 They benefitted from the 1956 Hungarian Revolution by signing superstar defector Ferenc Puskas [feh-RENZ poo-SKAS], who joined the legendary Alfredo di Stefano in leading this club to winning the first five European Cups. The winner of 27 Primera Liga titles, success returned with two Champions League titles, in 1998 and 2000. For 10 points--name this club of Luis Figo Raul and Roberto Carlos, a Spanish soccer giant.

ANSWER: Real Madrid [RAY-al]

2 Richard Strauss created several, including the composer in *Ariadne auf Naxos* and Octavian in *Der Rosenkavalier*. Mozart's include Cherubino in *The Marriage of Figaro*. Jennifer Larmore recorded an album, *Call Me Mister*, devoted to them. For 10 points--what is the term given to such operatic roles, in which women portray men, named after an article of clothing?

ANSWER: trouser roles or Hosenrollen [accept clear knowledge equivalents]

3 Outliers are plotted individually. Single lines called "whiskers" extend from each end to the farthest non-outlier data points. Three lines represent the 25th, 50th, and 75th percentiles, respectively. For 10 points--what is this form of graphical data summary, named for the rectangles that dominate it?

ANSWER: boxplots

4 Twentynine Palms, Barstow, Ontario, and Hinkley are all towns in this county. Extending from the border with Nevada and Arizona to the western suburbs of Los Angeles, its area is four times the size of Connecticut. For 10 points--name this largest county in the US.

ANSWER: San Bernardino County [accept California before "county"]

5 Senator H. John Heinz III. Rocky Marciano. Yuri Gagarin. US Representative Mickey Leland. Dag Hammarskjold. Ron Brown. Buddy Holly. Roberto Clemente. John Denver. And, of course, John F. Kennedy, Jr. For 10 points--all these men shuffled off this mortal coil in what uncommon but highly public manner?

ANSWER: plane crashes [accept equivalents]

6 Dominated by the Gennargentu Massif [gen-ahr-ZHEN-too maa-SEEF], whose highest point is Mount La Marmorata, it has been controlled by Carthaginians, Romans, Spaniards, and Austrians. Since 1948, it has had a semi-autonomous government based in its capital, Cagliari. For 10 points--name this island, Italy's second largest after Sicily.

ANSWER: Sardinia or Sardegna

7 He introduced the concept of the dew point, and kept a diary of over 200,000 meteorological observations. In biochemistry, his name is given to a unit that usually takes the prefix kilo. Perhaps best known for his contributions to atomic theory and law of partial pressures--for 10 points--name this British scientist who was color-blind.

ANSWER: John Dalton

8 All members of this species appear to be as closely related as identical twins, which zoologists attribute to a near-extinction 10,000 years ago. The genetic homogeneity that resulted is but one threat facing this species. Adults, weigh about 60 kg and are about two meters long including the tail. Now limited mostly to sub-Saharan Africa, but once common in India--for 10 points--name this fleet-footed animal whose name means "spotted."

ANSWER: cheetah or chetah or Acinonyx jubatus or hunting leopard

9 A subfamily of the Uralic family, it is divided into two groups. Some languages in this group, such as Khanty and Mansi, are spoken in the Ob River valley, while others, including Mari and Mordvin, are spoken in the Volga region. Other languages include Karelian and the now defunct Livonian. For 10 points--name this language group that includes Estonian, Magyar, and Finnish.

ANSWER: Finno-Ugric

10 His solo album *Main Offender* and *Talk Is Cheap* did not fare as well as his band's albums, but better than his other bandmates' solo efforts. Heavily influenced by Chicago and Delta Blues tuning styles, using five strings, this white guy, one of the few who can play blue chops without embarrassment has created several of the most famous riffs in rock and roll. For 10 points--name this lead rhythm guitarist of the Rolling Stones.

ANSWER: Keith Richards

11 Though he became a superb composition teacher, he only studied music formally when he was taught for free. Idolizing Gustav Mahler, he dedicated his first opera to Mahler's wife Alma; Friedrich Cerha completed his second opera posthumously in 1979. Arnold Schoenberg's protégé, he dedicated his *Violin Concerto* to Walter Gropius's late daughter Manon. For 10 points--name this composer of the *Lyric Suite* and *Wozzeck*.

ANSWER: Alban Berg

12 Born near Augsburg in 1885, this former elementary school teacher and WWI veteran joined the German Socialist Party in Nuremberg, where he would ultimately be hanged. In 1922, he converted to the Nazi party, and was rewarded a year later with editorship of its primary newspaper. For 10 points--name this infamous editor of *Der Stürmer* [SHTEER-mur].

ANSWER: Julius Streicher

13 It will not fight the germs that cause bad breath. It will not give your mouth sex appeal. It will not make you look five pounds lighter. It will not star Natalie Wood and Steve McQueen. Its theme song will not be written by Jim Webb or Francis Scott Key. It will not go better with Coke. But it *will* put you in the driver's seat, and it will be *live*. For 10 points--name this thing that, according to Gil Scott-Heron, will not be televised.

ANSWER: The Revolution [accept "The Revolution Will Not Be Televised"]

14 As a doctor, his most important work was in calling attention to the contagiousness of puerperal fever. Better known for a series of columns published in *The Atlantic Monthly*, they were later published in four volumes including *Over the Teacups* and *The Autocrat of the Breakfast Table*. For 10 points--name this poet and physician who penned "Old Ironsides" and "The Chambered Nautilus."

ANSWER: Oliver Wendell Holmes, Sr.

15 Attorney General under Buchanan, he was at first a sharp critic of Lincoln. Under Lincoln, though, he was legal advisor to Simon Cameron, whom he later replaced. On Lincoln's death, he remained in his post to direct demobilization. He favored a harsher Reconstruction than Andrew Johnson; when Johnson tried to remove him, Johnson was impeached. For 10 points--name this Secretary of War during the Civil War.

ANSWER: Edwin M(cMasters) Stanton

16 Abandoning the samurai way after the death of his master, his development of the "new style" moved his literary form away from dependence on gossip for an ethereal statement of Zen philosophy. Extremely adept at the *renga* form, he moved away from verbal tricks to tone and lyricism in linking verses. For 10 points--name this Japanese poet, master of the haiku.

ANSWER: Matsuo Basho or Matsuo Munefusa

17 It is home to the spring Hvergelmir, the source of 11 rivers known together as the Elivagar. A root from the world tree Yggdrasil burrows into it, where the dragon Nidhogg tears into the appendage and trades insults with an eagle in the treetop *via* Ratatosk, the Squirrel of Discord. From Midgard it is a nine-day journey north and then down. For 10 points--name this icy realm, home of the Norse underworld Hel.

ANSWER: Niflheim

18 One of their branches, the Chatti, fought the Romans from the first century AD on; the more famous Salian branch took Belgica in 406, and had conquered most of Gaul by the end of the fifth century, thanks to their first Christian king, Clovis. For 10 points--name this Germanic tribe that reached its territorial peak under Charlemagne.

ANSWER: Franks [prompt on "German" before "Salian"]

19 In a sickening example of tragedy becoming farce, this man has released an album of popular songs, with the proceeds going to victims of violence in East Timor. While chief of his nation's armed forces, he did nothing to stop that violence, and his withdrawal of support is widely believed to have led to the downfall of Suharto. For 10 points--name this former Indonesian general and alleged war criminal.

ANSWER: General Wiranto

20 In his decision, Judge William Kitchen cited *Regina* [reh-GHEE-nuh] *v. Jobidon* to deny the defense claim that the victim had implied consent to the act under trial. However, during sentencing, he cited *Regina v. Ciccarelli* [sissur-EH-lee] in giving the defendant an 18-month suspended sentence. For 10 points--name this 2000 court case for the assault of Donald Brashear with a hockey stick during an NHL game.

ANSWER: *Regina v. McSorley* [accept Marty McSorley]

21 Most people afflicted by this disease, whose name was coined in 1951 by Dr. Richard Asher, are solitary, unemployed men. Possibly linked to earlier emotional neglect, the patient seeks support and caring. It differs from hypochondria in that the patient deliberately and actually fabricates illness. Better known in its "by proxy" variation--for 10 points--name this mental disorder named after a fictional baron.

ANSWER: Munchausen syndrome [do not accept "by proxy"; prompt on "factitious disorder"]

22 One side brought Mennonites from Canada to settle the disputed lands in the 1920s, over a decade after the other side began placing forts in the sparsely populated region near the Pilcomayo River. The war began on December 5, 1928, when the larger, better-trained, but dispirited Bolivian army was attacked by a smaller army from Paraguay that was more familiar with the terrain. For 10 points--name this 1930s war fought over fertilizer.

ANSWER: Gran Chaco War [HN: *EB* lists it as "Chaco", not "Gran Chaco"]

23 Its architect is buried in the crypt, with an inscription directing anyone seeking his monument to look around. Upstairs are buried General Cornwallis and Lord Nelson. Its most notable literary resident is former dean John Donne, who never saw the modern structure. For 10 points--name this principal church of the city of London, with a dome second in size only to St. Peter's, the masterpiece of Sir Christopher Wren.

ANSWER: St. Paul's Cathedral

24 One legend holds that he, not Laertes, was the father of Odysseus. For telling the river god Asopus where Zeus had taken his daughter, he was rewarded with a spring near his city of Corinth. An angry Zeus sent Hades to take him to Tartarus, but he cheated death by chaining up Hades. For 10 points--name this legendary king of Corinth whose final punishment was to forever push a stone up a hill.

ANSWER: Sisyphus

25 A joint project of Boeing and Textron, fifteen have been delivered so far at a cost estimated at up to \$80 million each. Cancelled in 1989, this program was resurrected after intense pressure from some Congressmen. The US military plans to buy over 400 more, but the project has been plagued by design problems and political opposition. For 10 points--name this tilt-rotor aircraft, four of which have crashed, claiming 30 lives.

ANSWER: Osprey or MV-22

26 Some say he became impotent upon seeing his new wife's hairy genitals. Later, his wife left him for painter John Everett Millais [mih-LAY], with whom he had associated while writing his first book. Late in life, he wrote *Time and Tide*, a volume of letters to the working class on economics, and an autobiography, *Praeterita*. For 10 points--name this Victorian critic, author of *Modern Painters* and *The Seven Lamps of Architecture*.

ANSWER: John Ruskin

27 Rated alongside Schiller for his critical essays, this author's creative output is limited to an epic about Frederick the Great, a philosophical novel entitled *Maia*, and a short story refuting decadence, "A Man of Misery." Days before dying of cholera, he wrote an essay relating art and beauty to hedonism, inspired by his lust for a polish boy. For 10 points--name this silent lover of Tadzio, the protagonist of Thomas Mann's "Death in Venice."

ANSWER: Gustav von Aschenbach or Gustav

28 Mathematically it can be modeled by a Wiener-Levy random process. In 1926, Jean Perrin received the Nobel Prize in Physics for his work in verifying the equations Einstein developed to explain it, which allowed him to estimate the size of water molecules. For 10 points--name this phenomenon first observed by a Scottish botanist in 1827 when he observed pollen grains in water.

ANSWER: Brownian motion

29 Before it can be excreted by the kidney, it must be conjugated to glucuronic acid. The body produces about half a gram of this substance per day; bacteria in the colon convert much of it into a brown-colored pigment. The end product of hemoglobin metabolism, it can form an insoluble calcium salt which can crystallize to form gallstones. For 10 points--name this pigment that imparts the familiar yellow color of jaundice.

ANSWER: bilirubin [do not prompt on "bile"; HN: yes, *that* brown color--*Ed.*]

30 Its first head was Prince Rupert of the Rhine, and its territory was originally named for him. That territory was lost to France between 1686 and 1713 and eventually reached the Russian colonies on its western border. After losing its fur monopoly, it sold its land to the Canadian government in 1870. For 10 points--name this company that once governed the entire drainage basin of its namesake body of water.

ANSWER: The Hudson's Bay Company [do not accept "Hudson Bay"]

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1 Answer these questions about glycolysis, 10 points each.

What is the final product of glycolysis before it enters the citric acid cycle or fermentation pathway?

ANSWER: pyruvate or pyruvic acid

This class of enzymes catalyzes the conversion of glucose to glucose-6-phosphate.

ANSWER: glucokinases [accept hexokinases]

2-Phosphoglycerate is catalyzed to this compound, which is then converted to pyruvate.

ANSWER: PEP or PhosphoEnolPyruvate

2 30-20-10, Identify the small country.

[30] In June 2000, rebels here forced Prime Minister Bartholomew Ulufa'alu to resign.

[20] After the arrival of Europeans in 1568, erroneous reports of gold led to the belief that this island group was the source of gold for the Temple in Jerusalem.

[10] The islands saw 15 months of heavy fighting during World War II, most notably on Guadalcanal.

ANSWER: Solomon Islands [accept The Solomons]

3 Name these John Sayles films, 10 points each.

This 1987 film about a 1920s West Virginia coal strike stars Chris Cooper and James Earl Jones.

ANSWER: Matewan

This 1988 film stars John Cusack as Buck Weaver, John Mahoney as team manager, and D.B. Sweeney as Shoeless Joe Jackson.

ANSWER: Eight Men Out

This 1996 film stars Chris Cooper as sheriff of a Texas border town who suspects his late father of a previous sheriff's forty-year-old murder.

ANSWER: Lone Star

4 It is created by selectively doping a semiconductor to produce transistors, capacitors, and other basic electrical components connected as part of a single unit. 10 points each.

Name this electronic device.

ANSWER: Integrated Circuit or IC

This engineer shared the 2000 Nobel Prize in Physics for his development of the integrated circuit in 1958.

ANSWER: Jack Kilby

Kilby developed the integrated circuit while working for this company.

ANSWER: Texas Instruments, Inc. or TI

5 30-20-10. Name the composer from works.

[30] *Roses from the South* and *A Thousand and One Nights*

[20] *An Artist's Life* and *Wine, Women, and Song*

[10] *Die Fledermaus* and *The Blue Danube*

ANSWER: Johann **Strauss** II [or the Younger]

6 Patrick Tierney's *Darkness in El Dorado* has generated a storm of controversy in the anthropology community. 15 points each.

The book accuses anthropologists of complicity in the exploitation and devastation of this South American tribal group best known for its warlike culture.

ANSWER: **Yanomamo** or **Yanomami** or **Yanoamo**

One of Tierney's principal targets is this anthropologist, who studied the Yanomamo from 1964 to 1988 and authored *Yanomamo: The Fierce People*.

ANSWER: Napoleon **Chagnon** [SHAH-nyon]

7 Langston Hughes and Richard Wright disputed her depictions of Black folk customs and attention to gender disputes among Blacks. 10 points each.

Name this author.

ANSWER: Zora Neale **Hurston**

In this Hurston novel, Janie searches for happiness, but her third husband Tea Cake dies in the Everglades after a hurricane.

ANSWER: ***Their Eyes Were Watching God***

Hurston's first and most autobiographical novel, it details the struggles of John, a self-destructive preacher.

ANSWER: ***Jonah's Gourd Vine***

8 Name these record labels, 10 points each.

Currently featuring Jay-Z and DMSX, this legendary label founded by Russell Simmons was the home of early rap pioneers like Run DMC and LL Cool J.

ANSWER: **Def Jam**

This southern label produces absurdly materialistic but highly danceable music. Juvenile, BG, Lil' Wayne, and the Big Tymers comprise its namesake "Millionaires" collective.

ANSWER: **Cash Money**

This independent label has kept a high profile with its "Soundbombing" and "Lyricist Lounge" compilations and LPs from Mos Def, Company Flow, and Reflection Eternal.

ANSWER: **Rawkus**

9 Name these works by Émile Zola, 10 points each.

This is Zola's extended series of 20 books, depicting the lives of each member of a French family.

ANSWER: ***Rougon-Macquart*** [ROO-gon mah-KAHR]

Widely considered Zola's masterpiece, it depicts life in a mining community, and the struggles between social classes.

ANSWER: ***Germinal*** [ZHAYR-mee-nahl]

The rise and decline of the laundress Gervaise Macquart in this novel illustrates the effects of alcoholism in a working class neighborhood.

ANSWER: *The **Drunkard*** or *The **Club*** or ***L'Assommoir***

10 30-20-10. Give the common name.

- [30] Weezer's commercially-disappointing 1996 sophomore album, featuring the singles "El Scorcho" and "Good Life."
- [20] The American naval officer who marries, then abandons, Cio-Cio San in Puccini's *Madama Butterfly*.
- [10] The namesake agency of American lawman Allan thwarted an attempt on President-elect Lincoln's life, and dismantled the Molly Maguires.

ANSWER: **Pinkerton**

11 Name these sonnet cycles, 10 points each.

This cycle on the consequences of love contains many hidden references to Elizabethan court life, and intimate details about its author, Sir Philip Sidney.

ANSWER: **Astrophil and Stella**

After leaving the Catholic Church, John Donne wrote this sonnet cycle contemplating man's relationship to God and the psychology of faith.

ANSWER: **Holy Sonnets**

Unusual in depicting a happy, successful courtship, this cycle by Edmund Spenser saw the development of the author's eponymous sonnet form.

ANSWER: **Amoretti**

12 Answer these questions about eigenvalues, 10 points each.

This matrix property equals the product of the eigenvalues.

ANSWER: **determinant**

This matrix property equals the *sum* of the eigenvalues.

ANSWER: **trace**

One can find the eigenvalues of a matrix by using this equation, $p(\lambda) = \det(A - \lambda I)$ [p of lambda equals the determinant of A minus λ times the identity matrix I].

ANSWER: **characteristic** equation

13 30-20-10. Identify the shared name.

- [30] First mentioned in documents from 1032, it is one of the oldest cities in Russia. It is located 450 km south of Moscow on the Seym River.
- [20] It was the largest tank battle of World War II, in which the Soviets repelled a German offensive in the summer of 1943.
- [10] In August, 2000, this submarine became the tomb of 118 sailors at the bottom of the Barents Sea.

ANSWER: **Kursk**

14 Name these victories for Napoleon, 10 points each.

This September 1812 victory allowed Napoleon to take Moscow.

ANSWER: **Borodino**

This 1807 victory over the Russians near Koenigsberg forced the Czar to sign the treaty of Tilsit.

ANSWER: **Friedland**

After an initial defeat, Napoleon made a counterattack against his slow Austrian pursuers at this June 1800 battle, where he defeated General Melas and won most of Lombardy.

ANSWER: **Marengo**

15 30-20-10. Name the philosopher from clues.

[30] He wrote *The Nature of Judgment* and *Commonplace Book, 1919-1953*.

[20] He edited the journal *Mind*, and wrote *The Refutation of Idealism*.

[10] This leader of the Bloomsbury Group authored *Principia Ethica*.

ANSWER: G(eorge) E(dward) Moore

16 Imagine if Congress had as many parties as the Knesset. Name these Knesset parties, 10 points each.

Headed by Ehud Barak, this centrist party replaced the old Labor party.

ANSWER: One Israel

This conservative party, once headed by Bibi Netanyahu before he quit in a huff following his May 1999 defeat, is now headed by the corpulent Ariel Sharon.

ANSWER: Likud

This ultra-Orthodox party was part of Barak's coalition government until they deserted in summer 2000.

ANSWER: Shas

17 Name these Athenians associated with the Greco-Persian Wars, 10 points each.

This general commanded the victorious Athenian forces at Marathon.

ANSWER: Miltiades

This Athenian leader urged the building of a large navy to thwart the Persians. He disguised himself as a traitor at Salamis to ensure Athens' victory.

ANSWER: Themistocles

Nicknamed "the Just," Themistocles' main rival, he opposed the ship building plan.

ANSWER: Aristides

18 Name these World Series heroes, 10 points each.

In 1960, this Pirates second baseman's Game 7 home run, in the bottom of the ninth, with the score tied 9-9, helped Pittsburgh down the Yankees.

ANSWER: Bill Mazeroski

In 1988, this Dodgers outfielder hobbled to the plate in the ninth inning of Game 1 to hit a homer off Dennis Eckersley.

ANSWER: Kirk Gibson

In 1975, this Red Sox catcher kept his team alive with a homer in the 12th inning of Game 6 that was captured forever by his leaning to coax the ball to stay fair.

ANSWER: Carlton Fisk

19 Answer the following about Divali, the Hindu festival of lights, 10 points each.

This goddess of wealth and good fortune, Vishnu's wife in all his incarnations, is the primary deity honored.

ANSWER: Lakshmi or Laksmi or Sri

In parts of India, this goddess of destruction, Shiva's consort, is honored instead of Lakshmi.

ANSWER: Kali

For members of this religious tradition, Diwali commemorates the passing into nirvana of Mahavira, the most recent Tirthankara.

ANSWER: Jainism or Jaina

20 Louis Brandeis was the first Jewish Justice on the US Supreme Court; Ruth Bader Ginsburg is the most recent.

Five points for one, 10 for two, 20 for three, and 30 for all four, name the other 4 Jews to serve on the court. You have 5 seconds to begin your answer.

ANSWER: Benjamin Nathan Cardozo *
Abe Fortas *
Felix Frankfurter *
Arthur Joseph Goldberg *

21 Name these paintings by James Whistler, 15 points each.

Rowan Atkinson desecrated it in *Bean*. What was Whistler's original name for the painting known today as *Whistler's Mother*?

ANSWER: Arrangement in Grey and Black, No. 1: The Artist's Mother

Whistler won a libel suit against John Ruskin after Ruskin attacked this painting, but the judge only awarded him one farthing.

ANSWER: The Falling Rocket or Nocturne in Black and Gold: The Falling Rocket

22 Name these landmark portrayals of college life, 10 points each.

Launching F. Scott Fitzgerald's career, this novel is believed to have generated the popular image of the undergraduate world.

ANSWER: This Side of Paradise

Depicting life at predominantly black Hillman College, it showcased the tension between the snooty Whitley and Dwayne Wayne, and launched Sinbad's career.

ANSWER: A Different World

Rodney Dangerfield joins his son at college, where he hosts wicked parties and wins a diving championship.

ANSWER: Back to School

23 30-20-10. Name the author from works.

[30] The poetry collections *Anacreon's Grave* and *Divan of East and West*

[20] The autobiography *Poetry and Truth* and the novel *Elective Affinities*

[10] "Torquato Tasso" and *Wilhelm Meister's Apprenticeship*

ANSWER: Johann Wolfgang von Goethe

24 Name these Canadian Prime Ministers, 10 points each.

He governed for 22 years, on and off, between 1921 and 1949, more than anyone else.

ANSWER: William Lyon Mackenzie King

Succeeding King, he oversaw Newfoundland's entry into Canada, and was influential in NATO's early development.

ANSWER: Louis Saint-Laurent [sahn LOH-rawnt]

Prime Minister during WWI, his position on conscription alienated Quebec and led to a split within the opposition Liberal party.

ANSWER: Sir Robert Borden

25 For the stated number of points, answer the following questions about recent turbulence in the auto industry.

Five points each, name the venerable Chrysler and GM brands that were axed in November 1999 and December 2000 respectively.

ANSWER: Plymouth and Oldsmobile

General Motors and Fiat are possible new owners for this troubled South Korean automaker.

ANSWER: Daewoo

This shareholder, who lost a takeover bid for Chrysler in 1995, sued DaimlerChrysler in November 2000, charging the 1998 merger was really a takeover.

ANSWER: Kirk Kerkorian

26 When light passes through an aperture, it can create interfering patterns of light and shadow. 10 points each.

Name this phenomenon.

ANSWER: diffraction

This diffraction pattern of continuous fringing results when the aperture is close to the screen.

ANSWER: Fresnel [fruh-NEL] diffraction

When the aperture is far from the screen, this diffraction pattern results. The shape remains constant, but the size changes with the distance.

ANSWER: Fraunhofer diffraction

27 Government cases against alleged spies are about as fair as the death penalty in Texas. Name these convicted "spies," 10 points each.

This American, tried in secret with inadequate counsel, was convicted of stealing data available on the Internet. Facing cancer, Putin pardoned him.

ANSWER: Edmond Pope

While this man probably *was* an Israeli spy, his release from prison became an issue in Hillary Rodham Clinton's Senate campaign.

ANSWER: Jonathan Jay Pollard

She was convicted in 1951 of trying to leak secrets of the atomic bomb to the USSR. She was executed two years later.

ANSWER: Ethel Rosenberg or Ethel Greenglass

28 Dr. Aziz is falsely accused of a crime, and though he is exonerated with a British woman's help, he develops intense resentment of colonial rule. For the stated number of points.

[5] Name this E.M. Forster novel.

ANSWER: *A* Passage to India

[10] This woman helps exonerate Dr. Aziz.

ANSWER: Adela Quested or Adela

[15] Most of *A Passage to India* is set in this fictional Indian town.

ANSWER: Chandrapore

29 Name these cultural studies buzzwords, 10 points each.

First elucidated by Thomas Kuhn, this is the establishment of new scientific worldviews following the exposure of the previous ones' inadequacies.

ANSWER: **paradigm shift**

This theory propagated by Judith Butler posits that identities are fluid, and to analyze a whole group based on gender or sexuality, is wrong.

ANSWER: **queer** theory

This brand of literary criticism, initiated by Jacques Derrida interprets texts based on cultural and philosophical implications of their language rather than the author's intent.

ANSWER: **Deconstruction** [accept word forms]

30 Name these glands found in humans, 10 points each.

This gland produces cortisol.

ANSWER: **adrenal** glands

Believed to have evolved from sweat glands, these glands have given their name to an entire class of animals.

ANSWER: **mammary** glands [class *Mammalia*]

The source of "T" lymphocytes, this gland is proportionally largest in young children, and shrinks in adults.

ANSWER: **thymus**