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Round 5

University of Michigan Smithers Toss ups

1. This author killed his wife when, in a drug-induced stupor, he tried to shoot an apple off her head a la William Tell. Unfortunately, he aimed low. FTP, name this man, now famous for doing vast quantities of "junk", and for the novel Naked Lunch.

Answer: William Burroughs Jr.

2. A lover of Zeus and daughter of the river-god Inachus, she was transformed into a cow claimed by Hera. FTP, name this mythological heroine, also a moon of Jupiter famous for volcanic activity.

Answer: Io

3. The very concept of God or definition of the word God entails that God must exist. Therefore, any rational being who has a concept of God, has grounds for believing in God's existence. FTP, name this argument of St. Anselm's, the only a priori argument for the existence of God.

Answer: the ontological argument (prompt on St. Anselm)

4. He always used right-handed Fender Stratocasters, despite being left-handed. He played them upside down with the strings reversed. This is just one of many unique aspects of this rock legend's guitar style. FTP, name this psychedelic idol, whose hits included "Hey Joe", and "Purple Haze"?

Answer: Jimi Hendrix

5. One molecule of ornithine combines with a molecule of ammonia and carbon dioxide to form citrulline. Citrulline goes to arginine, which then forms the desired product and regenerates ornithine. FTP, what cycle am I describing, which converts toxic ammonia in the human body into something that can be excreted?

Answer: urea cycle

6. At his funeral, this artist's father thought the procession was moving too slowly. He drove the lead carriage, so he spurred the horses to a gallop, and the rest of the procession had to run to keep up. FTP, name the diminutive painter famous for his theater posters, especially of Jane Avril, and for his painting The Absinthe Drinkers.

Answer: Henri de Toulouse-Latrec

7. After his discovery of the causative agent of tuberculosis, the scientific world was ready to cannonize him. This Pasteur rival's TB vaccine proved to be a tremendous flop, but his postulates are still used in modern labs. FTP, name him.

Answer: Robert Koch

8. Despite rumors about a "rockinghorse" or the random selection of a word from a dictionary, no one knows how this artistic movement got its name. FTP, name the school which included artists such as Dali, and whose name sounds like baby-talk for "father".

Answer: dadaisme

9. When criticized for focusing on vice and neglecting virtue in his works, he responded, "Virtue is single and uniform, but in vice, there are degrees." This French writer stressed the human and real, as evidenced in such works as Old Goriot. FTP, name this author of The Human Comedy.

Answer: Honore de Balzac

10. Pencil and apaer ready. For a quick 10 pts, find the derivative of the following: $5x^3 + 12x^8 - 4x^{(-2)} + 3$. Read As: 5x cubed plus 12x to the eighth minus 4x to the negative 2 plus 3.

Answer: $15x^2 + 96x^7 + 8x^{(-3)}$ Read As: (15x squared plus 96x to the seventh plus 8x to the negative 3)

11. Boynton v. Virginia made their actions possible. In May, 1961, a group of Congress of Racial Equality members challenged segregation public areas. Although they were protected by the justice department, they still drew violence. FTP, name these integrationists who faced assault and ridicule as they rode Greyhound busses for the cause.

Answer: Freedom Riders

12. This company was in trouble until early this summer, when the work that Ray Ozzie had done on his new office networking program, Notes, finally paid off. FTP, name this company which is best known for its 1-2-3 software.

Answer: Lotus

13. Many titles in literature arallude to past literary works. For example, William Faulkner refers to this work in his novel about Quentin, Caddy, Benjy and Jason Compson. FTP, name the novel by Faulkner whose title is a quoatation from Shakespeare's MacBeth.

Answer: The Sound and the Fury

14. Their choice draft picks can't take any credit for the team't revitalization. "Big Daddy" Dan Wilkinson is overweight and Kijana Carter is injured. FTP, name this team, rejuvenated lately by the passing of Jeff Blake.

Answer: Cincinnati Bengals

15. Pencil and paper ready. Take the number of Muses in Greek mythology, add the number which completes the title of the Beatles song, "When I'm.." and multiply by the number of Kids in the Hall. FTP, what is the answer, the same as the number of days in the year?

Answer: 365

16. In the early 1970's, he was a Republican congressman who broke with Nixon over Vietnam and supported McCloskey's ill-fated bid for the Presidency. He later entered Congress a Democrat, and chaired the Banking Committee. FTP, name this former Michigan legislator and member of the Keating Five.

Answer: Donald Riegle

17. Catherine is a rather ordinary girl with few prospects for ever becoming a heroine. She loves Henry Tilton, but his father sends her away after discovering her relative poverty. FTP, identify this Jane Austen novel, a Gothic tale named for Tilton's home.

Answer: Northanger Abbey

18. In 1972, this Southern Illinois Saluki was involved in the controversial loss to the Russians. He later played for the Philadelphia 76ers, and then became a coach. He was fired after a loss to the Pistons due to infighting with Michael Jordan. FTP, name this coach who now (ironically) heads the Detroit Pistons.

Answer: Doug Collins

19. Some examples of onomatopoeia are buzz, hiss, and thump. The word doesn't sound like what it means and it certainly doesn't sound like how it's spelled. FTP, show that you can still spell onomatopoeia, even though it's a big, long confusing word.

Answer O-N-O-M-A-T-O-P-O-E-I-A

20. A valine is substituted for a glutamate at position 6 on the beta chains. This creates a lack of negative charges on the chains, which creates a "sticky" point. These sticky points, FTP, cause what genetic disease, where hemoglobin molecules aggregate and form abnormal erythrocytes?

Answer: sickle cell anemia

21. Leonard Marcy named this practice. Although Jefferson was the first to use it, Andrew Jackson popularized it, the practice of giving official positions to members of your own party. FTP, identify this system, named for the statement, "To the victor, belong the _____".

Answer: Spoils System

22. This disease is very rare in the general population, only occurring in about 1 in 300,000 births. The symptoms are retardation in development, blindness, and death by

the age of 3 or 4. FTP, name this disease more common in Ashkenazic (ash-ken-a-zic) Jews, occurring in about 1 in 3600 births?

Answer: Tay-Sachs disease

23. According to one of his colleagues, he had a "mind like the soil of New England: highly cultivated, but completely barren." FTP, name this rival of Woodrow Wilson and chairman of the Senate Foreign Relations Committee known for his opposition of the Treaty of Versailles.

Answer: Henry Cabot Lodge

24. Could he have been an American? An herbalist? Historians are now considering whether his grisly murders could be traced to an American quack in London to sell snake-oil remedies. FTP, name the murderer of "Long" Liz Stride and several others whose true identity remains a mystery.

Answer: Jack the Ripper

25. He was an entrepreneur in Cleveland in the mid 1870's and later worked on the Garfield campaign as a financial manager and, in the 1896 campaign, national campaign manager. FTP, name this Senator from Ohio, a symbol of the Republican Party's attachment to business.

Answer: Mark Hanna

26. This man is up for a promotion, unusual after a large public failure. But it's an odd decade in Canadian politics. FTP, name this man slated to succeed Jacques Parizeau as leader of the Bloc Quebecois.

Answer: Lucien Bouchard

27. Using Carl Jung's theories of personality which he developed in the 1920's, these two psychologists created a test which sorted people into personality types by their tendency toward extroversion vs. introversion, sensing vs. intuition, thinking vs feeling, and judging vs. perceiving. FTP, name this personality test which is widely used in career counseling and development.

Answer: Myers-Briggs Personality Test

Round 5

University of Michigan Smithers--Boni

30 Point Bonus

1. Let's see how much you know about military hardware, notably submarines. Ten points for each correct answer.

A. The primary attack submarine of the United States Navy, this class, whose number is 688, is named for an American city.

Answer: Los Angeles class

B. The primary nuclear ballistic missile submarine of the United States Navy this class is named for an American state.

Answer: Ohio class

C. The primary nuclear ballistic missile submarine of the former Soviet Union, this class is named for a weather phenomenon.

Answer: Typhoon class

30 Point Bonus

2. Identify this artist, 30-20-10.

A. This man, in one of his most famous works, put his flayed body in the hands of St. Bartholemew.

B. His many nudes offended the papacy to the point that they had clothes painted on many of them.

C. The work, the Last Judgement, sits in the same room as his most famous frescoes.

Answer: Michelangelo Buonarroti

20 Point Bonus

3. This test is used to test for carcinogens. Disks containing suspect material are added to plates containing cells with a mutation in a biosynthetic pathway. The amount of back mutation directly correlates with whether or not compounds are carcinogenic. For twenty points, name this test.

Answer: Ames test

30 Point Bonus

4. Identify this city, 30-20-10.

A. Its beaches are beautiful, but they are marred by the favelas (slums) overlooking them on hills above the city.

B. Its statues include Christ the Redeemer.

C. Its harbor is listed as one of the seven natural wonders of the world, and its beaches (including Ipanema) are home to lots of semi-nude sun bathing.

Answer: Rio de Janeiro

25 Point Bonus

5. I'll give you a list of coaches or managers, and you tell me what sport they are

famous in for five points apiece.

A. Toe Blake

Answer: hockey

B. George Allen

Answer: football

C. Tamara Mostvena

Answer: figure skating (also accept "pairs skating")

D. Earl Weaver

Answer: baseball

E. Steve Nunno

Answer: gymnastics

25 Point Bonus

6. One of the most powerful tools in molecular biology is the ability to cut DNA into pieces.

A. First, for ten points, what do scientists use to cut DNA into pieces? Examples of them include HindIII (hin-d-three) EcoRI (echo-r-one), and PstI (p-s-t-one).

Answer: restriction enzymes

B. Restriction enzymes can be used to generate RFLP's. For fifteen points, all or nothing, what does RFLP stand for?

Answer: Restriction Fragment Length Polymorphism

30 Point Bonus

7. How much do you remember about the Iran-contra affair? Answer these questions for ten points each.

A. Everybody remembers Oliver North, but for ten points, can you name his combative lawyer, famous for such lines as "I am not a potted plant"?

Answer: Brendan Sullivan

B. For another ten points, can you name North's secretary, who was courted by No Excuses Jeans and later battled a cocaine habit?

Answer: Fawn Hall

C. For a final ten points, name this famous player in the Iran-contra hearings, who later tried to kill himself.

Answer: Robert MacFarlane

20 point bonus

8. Answer these questions about biological "workhorses", for ten points each.

a. this common intestinal bacteria is the workhorse of microbial genetics.

A. E. coli or Escherichia Coli (Es-shur-ih-shee-uh)

b. this insect is the workhorse of genetic mapping and minipulation. Give its latin name.

A. Drosophila melanogaster

c. This flowering plant is the most frequently used for genetic manipulation.

A. Arabodopsis

30 point bonus

9. This company defied skeptics and moved back into 2nd place in the personal computer field. FTP, name it.

Answer: Apple

Now for an additional 5 pts each, name the other four of the top five companies in personal computer sales.

Answer: Compaq, I.B.M., Packard Bell, NEC

30 point bonus

10. Identify the author from the works, 30-20-10.

30: A Modern Mephistopheles

20: Flower Fables

10: Jo's Boys

Answer: Louisa May Alcott

30 point bonus

11. Often important directors have minor roles in films they have not directed. Given a character in a movie, name the director who played the role for 5 points, and the director who actually directed the movie for another 5.

A. Has a midlife crisis while married to Judy Davis in *Husbands and Wives*.

Answer: Sydney Pollak

Director of *Husbands and Wives*

Answer: Woody Allen

B. Friend who admires Tom Hanks' tush in *Sleepless in Seattle*

Answer: Rob Reiner

Directed *Sleepless in Seattle*

Answer: Nora Ephron

C. The nutty old scientist in *Jurassic Park*

Answer: Sir Richard Attenborough

Directed *Jurassic Park*

Answer: Steven Spielberg

25 point bonus

12. This bonus allows you to take the points and run. You'll be given a word to spell. If you get it correct, you may either keep the ten points or move to the next word. Thirty points are possible for all three words, but if you spell one wrong, you lose any points you may have accrued. (MOEDRATOR: ask after each correct spelling if the team wishes to proceed, and assess points accordingly)

A. Quay-lude (quaalude)

A: q-u-a-a-l-u-d-e

B. Baal-uh-like-uh (balalaika)

A: b-a-l-a-l-a-i-k-a

C. Feen-ol-fail-ene (phenolphthalein)

A: p-h-e-n-o-l-p-h-t-h-a-l-e-i-n

25 point bonus

13. Given an NBA team, name its head coach, five points each.

A. Portland Trail Blazers

Answer: P.J. Carlesimo

B. Miami Heat

Answer: Pat Riley

C. New York Knicks

Answer: Don Nelson

- D. Cleveland Cavaliers
E. Detroit Pistons

Answer: Mike Fratello
Answer: Doug Collins

30 point bonus

14. Name these prominent political or protest figures of the 1960's on a 10-5 basis.

10 sang "Draft-Dodger Rag"

5 sang "I Ain't Marching Anymore"

Answer: Phil Ochs

10 fought to save the St. Lawrence River as a fugitive

5 was leader of the Chicago Seven with Jerry Rubin

Answer: Abbie Hoffman

10 swung the 1968 Republican Convention to Richard Nixon by convincing key Southern Senators

5 is now chairman of the Senate Armed Services Committee

Answer: Strom Thurmond

30 point bonus

15. Three leaders in the Bosnian crisis are meeting to resolve their differences. For ten points apiece, give the names of the three leaders who are meeting at Dayton, Ohio.

Answer: Alija Izetbegovic, Franjo Tudjman, Slobodan Milosevic

30 Point Bonus

16. How's your knowledge of DNA? For five points each, name the four bases found in DNA.

Answer: Adenine, Guanine, Cytosine, and Thymine

For another ten points, name the two different groups into which these bases can be divided.

Answer: Purines and Pyrimidines

30 point bonus

17. Ah, Hercules. The sweaty muscles, the steaming horses, the bad jokes on MST3K. Given an animal from his Labors, give its complete name for 10 points each.

A: the hydra

Answer: Lernean hydra

B: the lion

Answer: Nemean lion

C: the birds

Answer: Stymphalean birds

30 Point Bonus

18. Identify the actress, 30-20-10.

A. Her first movie was 1983's Jaws 3-D, where she had an affair with costar Dennis Quaid.

B. Later roles included Tom Cruise's girlfriend in All the Right Moves and a bossy teen astronaut to-be in SpaceCamp.

C. More memorable roles include Michael J. Fox's mother in *Back to the Future* and Caroline (in the City).

Answer: Lea Thompson

30 Point Bonus

19. Identify the painter from the painting, for five points each.

A. Garden of Earthly Delights

Answer: Hieronymus Bosch

B. Dog Before the World

Answer: Franz Marc

D. Aristotle Contemplating the Bust of Homer

Answer: Rembrandt van Rijn

30 point bonus

20. Identify the following works of children's literature for 10 point apiece, each of which features a unit of time in the title.

A: A Mary Rodgers work about a mother and daughter who inexplicably switch places for a day, it was later made into a movie starring Jodie Foster.

Answer: Freaky Friday

B: Written by Dr. Seuss under the pseudonym, Theo LeSieg, its child hero wakes to find that everything is topsy-turvy. To return things to normal, he must identify everything that's wrong.

Answer: Wacky Wednesday

C: This book by Irene Hunt is about one boy's experience during the Civil War, the duration of which gave the book its title.

Answer: Across Five Aprils

20 point bonus

21. Given the name of a work of literature, identify the author for five points each.

A: *Les fleurs du mal* (the flowers of evil)

Answer: Charles Baudelaire

B: *Big Blonde*

Answer: Dorothy Parker

C: *The Happy Prince*

Answer: Oscar Wilde

D: *The Godwulf Manuscript*

Answer: Robert B. Parker

25 point bonus

22. From 1864 until the present, only five 3rd party candidates have won electoral votes. For five points each name them.

Answer: James Weaver, Theodore Roosevelt, Robert Lafollette, Strom Thurmond, and George Wallace.

30 point bonus

23. Given the Roman name for a god, give the Greek equivalent, if there is one, FTP each.

A: Jove

Answer: Zeus

B: Janus

Answer: no equivalent (accept similar answers)

C: Amor/Cupid

Answer: Eros

20 point bonus

24. Are you tired of questions which begin "As everyone knows..."? Well, this question, deals with two writers who used the words "What Every ____ Should Know." FTP each, identify the authors given a brief description.

A: Entitled "What Every Fool Should Know," this sociological brief argued in the case of Muller v. Oregon that women were weaker than men, partially due to a "monthly pathological state" from which they suffered. FTP, name the author and future supreme court justice.

Answer: Louis Brandeis

B: Called "What Every Girl Should Know," its author was indicted for having it published in the Socialist magazine. The editors of The Call later reprinted the headline without the article, but accompanied by the words "Nothing, by order of the US Postal Service." FTP, name this feminist and advocate of birth control.

Answer: Margaret Sanger

25) (30) Identify these arcade games for the stated number of points.

For 5: Use the oversized uppercut button to knock off such top notch boxers as Glass Joe and Kid Quick.

A: Punch-out

For 10: Spend the money you've gotten from scoring goals to upgrade your quarterback from plastic to titanium.

A: Cyberball

For 15: This basketball game let you pick your teams' star from among many great personalities, but the definite highlight was the feature which let you punch the other team's players indiscriminately.

A: Arch Rivals

26) (30) 30-20-10 Name the Roman Emperor.

30: His Villa in Tivoli, one of Rome's countryside towns is one of the modern era's great technological wonders, with features such as a giant reflecting pool and a set of underground tunnels meant to help him make good his escape in case of rampaging slaves.

20: His Mausoleum on the Tiber across from the Vatican was turned into the so-called "Castle of the Angels," a church in the Middle Ages and was fortified for the Pope's protection.

10: His famous Wall spans the north part of Great Britain.

A: Hadrian