

Tossups for 1996 Wahoo War of the Minds Round 4

1. It is generally defined as a set with two operations, having the multiplicative structure of a monoid, but the additive structure of an Abelian group. If the multiplicative structure is actually also that of an Abelian group, it is called a field. Types include division and commutative. FTP, name this algebraic structure which shares its name with a small piece of jewelry.

Answer: Ring

2. Having its source in Lake Oswego, the painters of this river include Lloyd Mifflin, Thomas Doughty, and Jasper Cropsey. Its more scenic elements include the Starruca Viaduct but its less scenic elements include Three Mile Island. FTP, name this river that empties into the Chesapeake Bay.

Answer: Susquehanna River

3. Chronicling the lives of children born on August 15, 1947, this book describes children with various mystical powers including the protagonist, Saleem Sinai. It paints a rather bleak view of history, and of Indira Gandhi in particular. FTP, name this pessimistic novel by Salman Rushdie.

Answer: Midnight's Children

4. Born Maria Kalogeropoulos (ka-LOG-er-OP-uh-lis) in New York City, she moved to Athens at age 13. Her first major operatic appearance came five years later as Tosca. Encouraged by her mentor, Tullio Serafin at La Scala, she became famous for her bel canto roles. FTP, name this soprano, sometimes known as La Divi

Answer: Maria Callas

5. The second part of the 17th ecumenical council, it was the last church council to officially attempt to unify the Eastern and Western Churches. Originally called in Basel in 1431, it was moved in 1437 to Ferrara, Italy. In its final host city in Tuscany, it reached an agreement on unification which was ratified in 1439, but formally rejected in 1472. FTP, name this council which bears the names of its last two host cities.

Answer: Council of Ferrara-Florence

6. It is the common name for the cartilaginous fish of the superorder Batidoidimorpha (BAT-uh-DOYD-uh-morf). Characterized by their large pectoral fins, they are usually flat in appearance, ranging from a few centimeters to six meters in width. FTP, give this word which can be preceded by electric, sting, or manta.

Answer: Ray

7. Its first chairman was Martin Dies, Jr., who was succeeded by J. Parnell Thomas. Made a House committee in 1945, Richard Nixon gained prominence for his role in its investigation of Alger Hiss. Its name was changed in 1969 to the Committee on Internal Security before being abolished in 1975. FTP, name this congressional committee notorious for its communist witch hunts.

Answer: House Un-American Activities Committee

8. Most closely related to the Luchuan language, its relationship to other languages is unclear. Its original form had a very limited vocabulary, so it borrowed many words from other languages, including its word for bread from Portuguese. FTP, name this language whose written form includes 1850 Chinese kanji and two alphabets, the katakana and the hiragana.

Answer: Japanese

9. A mixed blood Laguna Indian, one of her collections of poems is called Laguna Woman. She also wrote the play Lullaby and the novel Almanac of the Dead. Her first, and probably best known, novel concerns the spiritual healing of Tayo through regaining some stolen cattle, and a liaison with the nature goddess, Ts'eh. FTP, name this the author of Ceremony.

Answer: Leslie Marmon Silko

10. He is also known as Hara and Mahadeva, the great god, and Nataraja is his most famous representation. Associated with a little drum, he represents change, flux, and destruction, though the latter generally represents the end of one cycle and the beginning of another. FTP, name this member of the Hindu triad, the husband of Kali and the god of destruction.

Answer: Shiva

11. One form of his law, $J=FE$ (J equals sigma E) holds that current density is equal to the product of conductivity and electric field strength. The more familiar form states that the V-I plot is a straight line, an assumption which generally holds for metallic conductors at a constant temperature. FTP, name this German physicist who shares his name with the SI unit defined to be 1 volt divided by 1 amp.

Answer: Georg Simon Ohm

12. Educated at CCNY, he founded the periodical Camera Notes in 1905. With Edward Steichen, he founded and directed the Photo-Secession to help gain acceptance for photography as an art form. He was largely successful due to well-received exhibitions at their gallery at 291 Fifth Avenue. FTP, name him, the husband of Georgia O'Keeffe.

Answer: Alfred Stieglitz

13. This university won the Sears Trophy for the 1993-94 academic year for the most successful overall sports program. Its athletic stars included Sylvia Crawley and Mia Hamm, who led the women's basketball and soccer teams to national championships. Most, however, will remember such past names as Brad Daugherty, Sam Perkins, and Eric Montross. FTP, name this school, the home of Dean Smith.

Answer: UNC-Chapel Hill

14. The two original forms of this type of musical composition are "de camera" and "da chiesa." Its Italian proponents included Carissimi and Scarlatti, but it achieved its prominence in Germany. Defined to be a vocal work with instrumental accompaniment, it is often similar to a short oratorio, though generally less elaborate. FTP, name this form, often associated with J.S. Bach.

Answer: Cantata

15. The author asked for parts of this novel to be printed in eight different type colors to represent the different layers of the narrators' memories. Although the request was denied, this 1929 novel was still a radical experiment in form and technique. Three of the four sections are told in the first person, while the fourth is a third-person narrative focusing on the black cook Dilsey. FTP, name this Faulkner novel about the Compsons.

Answer: The Sound and the Fury

16. The author of Human Immortality, he advanced the idea of functionalism in psychology in his monumental Principles of Psychology. The brother of a novelist and the son of a Swedenborgian theologian, he was a lecturer at Harvard, Columbia, and Oxford. FTP, name this man, considered to be one of the founders of Pragmatism.

Answer: William James

17. Maybe this substance really isn't to blame. In a recent article in the Journal of the AMA, Dr. Mark Wolraich of Vanderbilt University contradicted studies from 1980 and 1986 on the cause of A.D.D. FTP, what carbohydrate long believed responsible for hyperactivity may actually be innocent?

Answer: Sugar

18. Telling the story of a German youth who fakes an epileptic seizure to avoid military service and take a job in a hotel, this Thomas Mann novel was written shortly before his death, leading to a suspiciously abrupt ending. At the hotel, the protagonist agrees to change places of a rich patron to take a trip around the world. FTP, name this novel about a man who specializes in pretending to be someone else.

Answer: The Confessions of Felix Krull: Confidence Man

19. Founded as the Collegiate School in Branford, CT, it was moved to its current location 17 years later. In 1861, it conferred the nation's first Ph.D., though it did not have its current name until 1887. FTP, name this university whose graduates include William Taft, Noah Webster, and Samuel F. B. Morse.

Answer: Yale University

20. With a sidereal period of 687 days and a gravity of roughly .38 times that on Earth, it is considered to be a possible location for human habitation with suitable terraforming. It currently has a thin carbon dioxide atmosphere, though it may have large water ice deposits beneath its surface. FTP, name this heavenly body whose geographic features include the Tharsis Bulge and Olympus Mons.

Answer: Mars

Bonuses for 1996 Virginia Wahoo War of the Minds Round 4

1. Given two works, name the author FTP each.

1. Vile Bodies, Decline and Fall
2. A Curtain of Green, The Optimist's Daughter
3. The Woman of Andros, Heaven's My Destination

Answer: Evelyn Waugh
Answer: Eudora Welty
Answer: Thornton Wilder

2. Given a region of Italy, name its largest city for 5 points each.

1. Tuscany
2. Lombardy
3. Piedmont
4. Lazio (LAH-tzee-oh)
5. Campania
6. Liguria

Answer: Florence
Answer: Milan
Answer: Turin
Answer: Rome
Answer: Naples
Answer: Genoa

3. Name the crusade from a short description, FTP each.

1. Proclaimed by Urban II to aid the Greeks against the Seljuk Turks.
2. Proclaimed by Gregory VIII and led by Frederick Barbarossa and Richard I of England.
3. Led by Charles of Anjou and Edward I of England, Louis IX died during this crusade.

Answer: First
Answer: Third
Answer: Eighth

4. Answer the following questions about eigenfunctions, FTP each.

1. If $y(0)=1$ and y is an eigenfunction of differentiation with respect to x with eigenvalue k , what is $y(x)$?
Answer: e^{kx}
2. If $y(0)=1$ and y is an eigenfunction of antidifferentiation with respect to x with eigenvalue k , what is $y(x)$?
Answer: $e^{x/k}$
3. What is the collective name for the class of all eigenfunctions of the Fourier transform?
Answer: Hermite functions (do not accept Hermite polynomials)

5. 30-20-10. Name the artist from clues.

30: His moorish style house, Olana, overlooks the house of his mentor.

20: He painted "Sunrise in the Tropics" and "Niagara Falls."

10: Influenced by Thomas Cole, he was the most financially successful member of the Hudson River School.

Answer: Frederick Church

6. Name the inventors of the following early computers for the stated number of points.

1. 5: The Analytical Engine
2. 10: Colossus
3. 15: EDVAC

Answer: Charles Babbage
Answer: Alan Turing
Answer: John von Neumann

7. 30-20-10. Name the author from works.

30: The Terrible Twos, Flight to Canada

20: Catechism of D Neoamerican Hoodoo Church

10: The Free-Lance Pallbearers, Mumbo Jumbo

Answer: Ishmael Reed

8. Answer these questions about plant metabolism for 15 points each.

1. Name the process by which atmospheric nitrogen is converted to a chemical needed for plant growth, such as ammonia.

Answer: Nitrogen Fixation

2. Name the genus of the symbiotic bacteria which colonize clover and alfalfa which are perhaps the most productive nitrogen fixers.

Answer: Rhizobium

9. FTP each, given a Major League soccer team, give the team's nickname.

1. Washington, D.C.
2. New England
3. Colorado

Answer: DC United
Answer: New England Revolution
Answer: Colorado Rapids

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

30: The ballet "The Age of Steel"

20: The opera "Love for Three Oranges"

10: "Peter and the Wolf"

Answer: Sergei Prokofiev

11. Answer the following questions about Mexican history FTP each.

1. Name the Mexican Indian agrarian reformer and revolutionary assassinated in 1919 by an agent of President Carranza.

Answer: Emiliano Zapata

2. In what southern Mexican state did Zapata have his power base?

Answer: Morelos

3. Name his agrarian reform plan, calling for the land to be redistributed among the Indians.

Answer: Ayala plan

12. Richard Feynman developed the theory of QCD.

1. For 5 points each, what does QCD stand for?

Answer: Quantum Color (or Chromo) Dynamics

2. For 15 points, what carrier of the strong force is capable of changing a quarks color according to QCD theory?

Answer: Gluons

13. 30-20-10. Name the book

30: Its characters include Anna Bronski, Alfred Matzerath, and Maria Truczinski.

20: Its main character, Oskar Matzerath, is a dwarf closely associated with the title object.

10: Its author is Gunter Grass.

Answer: The Tin Drum

14. For 10 points apiece, answer the following questions about Indian history.

1. Name the site of the 1919 Massacre in which nearly 400 demonstrators were killed.

Answer: Amritsar

2. Name the first Prime Minister of India, Indira Gandhi's father.

Answer: Jawaharlal Nehru

3. What religious group did Indira Gandhi attempt to suppress, leading to her assassination?

Answer: Sikhs

15. FTP apiece, answer the following questions about the Jewish religion.

1. Name the historic family whose resistance against the Romans led to the celebration of Hanukkah.

Answer: Maccabee

2. The observance of what two holidays includes the blowing of the shofar?

Answer: Rosh Hashanah and Yom Kippur

3. What holiday's celebration includes reading from the Haggadah?

Answer: Passover

16. Given a song off the soundtrack of The Big Chill, name the artist for the stated number of points.

1. 5: My Girl

Answer: The Temptations

2. 10: Good Lovin'

Answer: The Rascals

3. 15: (You Make Me Feel) Like A Natural Woman

Answer: Aretha Franklin

17. Given a chemical formula, name the chemical for 10 points each.

1. FeCr_2O_7

Answer: ferrous dichromate

2. HClO

Answer: hypochlorous acid

3. NH_2OH

Answer: ammonium hydroxide

18. FTP each, answer the following questions about Yugoslavian history.

1. What 1918 treaty declared the United Kingdom of Serbs, Croats, and Slovenes?

Answer: Pact of Corfu

2. Name the Serbian king who changed the name to Yugoslavia in 1929.

Answer: Alexander II

3. Name the Croatian leader who led the early revolts against Serbian dominance.

Answer: Stephen Radich

19. Identify the following Czech books for 15 points apiece.

1. This 1979 Kundera novel is full of sex scenes during the Prague Spring.

Answer: The Book of Laughter and Forgetting

2. This mammoth Hasek novel details the life of an idiot soldier during World War I. It ends abruptly as Hasek died while writing it.

Answer: The Good Soldier Schweik

20. Name the philosopher from works for 10 points each.

1. An Introduction to Metaphysics (1953)

Answer: Martin Heidegger

2. The Science of Logic (1812-16)

Answer: G.W.F. Hegel

3. On the Genealogy of Morals

Answer: Friedrich Nietzsche