

THE UNIVERSITY OF TENNESSEE ROUND FOR WESSELMANIA IV

1. Perturbation theory is the branch of mathematics involved in their use. Each line and each junction between lines has a precise mathematical equivalent. Used extensively in particle physics and solid-state physics, they represent specific terms in calculations in quantum field theory. FTP, name these diagrams, developed in the 1940's by a future Nobel Prize winner.

ANS. Feynman diagrams

2. Imagine a candidate in this day and age winning a major office despite being shorter than Michael Dukakis. This former county commissioner and dedicated basketball fan also overcame a highly visible divorce and a history of alcohol abuse. After serving as State Treasurer, she defeated Clayton Williams in 1990 in a miracle comeback fueled largely by Williams' colossal blunders. FTP, name the second woman to serve as Governor of Texas.

ANS. Ann Richards

3. The plaintiff was a young man who had been arrested for violating the 1918 Sedition Act for distributing anti-draft pamphlets. He lost in a decision which contained the famous phrase: "The test for abridgement of free speech would be words are used in such circumstance and are of such a nature as to create a clear and present danger." FTP, name this case in which Oliver Wendell Holmes also wrote that citizens don't have the right "to yell fire in a crowded theater."

ANS. Schenk vs. U.S.

4. George Hurstwood, having become infatuated with the title character, abandons his wife and two selfish children, steals \$10,000 from the safe of the fashionable he manages in Chicago, and tricks her into going to New York. He gets caught, she goes onto the stage, becomes rich. He finally commits suicide. FTP, this is a plot description of what Theodore Dreiser novel?

ANS Sister Carrie

5. Audience demand for tickets to this children's TV show was so overwhelming, the waiting list included expectant mothers wanting tickets for their unborn kids. The star of the show was the creation of Bob Smith, a gifted ventriloquist, better known as Buffalo Bob. FTP, what was this goofy looking, freckled marionette.

ANS. Howdy Doody

6. Her dance technique was based on concentration and release of the muscles of the diaphragm, back and pelvis. She danced barefoot but with voluminous draperies to mask or reveal emotions. Her dance subjects were often literary in origin and Freudian in nature. Some of her most acclaimed works are: Primitive Mysteries, Letters to the World (about Emily Dickinson), Cave of the Heart (about Medea) and Appalachian Spring. FTP, name this choreographer who died in 1991.

ANS. Martha Graham

7. It is the typical time interval in the hardware of a computer, such as for the operation of a gate. In physics it is the time taken for light to travel about one foot. FTP, what is this quantity of time equal to 10^{-9} seconds?

ANS. Nanosecond

8. Samuel Johnson called him the father of English criticism. His Heroic Stanzas (1659) commemorated the Death of Oliver Cromwell, but the next year he published a celebration of the restoration of Charles II, Astraea Redux. His plays include Conquest of Granada, Marriage a la Mode, and All for Love. For 10 pts., name this man made poet laureate in 1668.

ANS. John Dryden

9. A generally accepted consequence of this startling 1931 discovery is that the ambition of Frege and Russell to create a unitary deductive system in which all mathematical truths could be deduced from a handful of axioms cannot be realized. It states that in any formal system which contains the arithmetic of natural numbers there is a formula which, if the system is consistent, can neither be proved nor disproved. FTP, whose theorem is this?

ANS. Kurt Godel or Godel's theorem

10. His buildings are like pastry pastiches, as if stone had been made as malleable as clay or wax and shaped into extraordinarily decorative and decorated organic shapes encrusted with glass, ceramics and the like. Some of his best-known structures are the Colonia Guell Church and Park, the Casa Mila, and the church of Sagrada Familia. FTP, name this Barcelona architect.

ANS. Antonio Gaudi

11. It is based upon the belief that memories reach back before the moment of conception to previous lives or existences even in non-human forms or on planets elsewhere in the universe, and that if these memories can be recalled without pain or emotion an individual will be freed to develop his personality and "beingness." FTP, what is this mechanistic technique of therapy developed in 1948 by L. Ron Hubbard, ultimately incorporated into the system of Scientology?

ANS. Dianetics

12. His name is Roman slang for a wart on the nose; but, literally, it means "Chickpea." He was born in 106 B.C. in what is now Arpino, Italy. His political career included: quaestor in Western Sicily in 75, praetor in 66, and consul for 63 B.C. His writings include De Republica, De Legibus, Hortensius, and Academica. FTP, name this Roman statesman who gave his first important political speech in 66 B.C. when he spoke in favor of giving Pompey command of the campaign against the king of Pontus.

ANS. Marcus Tullius Cicero

13. It was founded in 1924 by Harry Cohn, a former vaudeville promoter, and until the mid-1930's this studio was known for its low-budget, quickly made westerns and "B-grade" movies. However, in 1934 Frank Capra's hit It Happened One Night swept the Academy Awards, thus legitimizing this Hollywood studio. For 10 pts., name this studio which also produced From Here to Eternity and Lawrence of Arabia, and which was purchased by Coca-Cola in 1982 and by Sony in 1989.

ANS. Columbia Pictures, Inc.

14. The Cultivation of Christmas Trees, The Sacred Wood, The Idea of a Christian Society, Christianity and Culture, The Family Reunion, Notes Towards the Definition of Culture, On Poetry and Poets, The Confidential Clerk, and "The Hollow Men" are all works by this Missouri-born, English expatriate writer. For 10 pts., who is he?

ANS. T.S. Eliot

15. Originally this expression referred to the period of time between Napoleon's escape from Elba and his defeat at Waterloo. It was used in 1933 to describe the time in which FDR pushed through much early New Deal legislation. FTP, what is this phrase now used to refer to the first part of a president's term?

ANS. 100 Days

16. He was born in 1856 in Louisville, Kentucky and graduated from Harvard Law School at the head of his class. As an attorney, he became known as an advocate of the common man, attacking life-insurance firms, monopolies and interlocking directorates. He wrote the noted book Other People's Money and How the Bankers Use It. In 1916, Woodrow Wilson appointed him to the U.S. Supreme Court, and thus he became the first Jew to serve there. FTP, name him.

ANS. Louis Brandeis

17. It is zero at Cape Canaveral, Florida, which is one of the major reasons NASA launches from there. Care must be taken when navigating by compass to consider it, or readings will not be accurate. FTP, what is the term for this, the angle between the Magnetic North Pole and the geographic North Pole?

ANS. magnetic declination

18. "It bore a device, a herald's wording of which might serve for a motto and brief description of our now concluded legend; so sombre is it, and relieved only by one ever-glowing point of light gloomier than the shadow:--'ON A FIELD, SABLE, THE LETTER A, GULES.'" Thus ends, FTP, what Nathaniel Hawthorne novel?

ANS. The Scarlet Letter

19. The murder of Agamemnon, Edmond Rostand's writing of Cyrano de Bergerac, Archimedes' discovery of the Law of Physics, and Jean-Paul Marat's murder by Charlotte Corday. For 10 pts. what do all these events have in common?

ANS. all happened in a bathtub (accept equivalent)

20. Vishnu, Zoroaster, and Brahma are some of the oldest. Coconino, Toroweap, and Kaibab are among the youngest. No these aren't the gods of some religion you haven't heard of. They are, FTP, some of the rock formations in what Arizona attraction?

ANS. the Grand Canyon

21. His voluptuous assistant/secretary is named Velda. A ruthless, remorseless, often times vicious fictional detective, he has appeared in such works as Vengeance is Mine My Gun is Quick, Kiss Me Deadly, and I, the Jury. FTP, name this creation of Mickey Spillane.

ANS. Mike Hammer

22. Written by Hans Janowitz and Carl Meyer, this film was directed by Robert Wiene. Herman Warm, the chief set designer, used expressionist techniques to create the film's warped angular look. FTP, name this 1919 horror genre pioneer.

ANS. The Cabinet of Dr. Caligari

22. The unnamed hero hides out in the basement of an abandoned New York City apartment house, which he has illuminated with a thousand electric bulbs to make himself visible. FTP, what is this 1952 novel by Ralph Ellison?

ANS. Invisible Man

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1. (30 PTS.) Identify this opera, 30-20-10.

a. Its scheduled 1848 premiere was cancelled because of its composers revolutionary activities. In 1850 it premiered in Weimar with Franz Liszt conducting.

b. The composer, who was still in exile in Switzerland, finally saw it in 1861. Characters include Ortrud, Telramund, and King Henry the Fowler.

c. This Wagner opera is famed for the title character's exit by a swan-drawn boat.

ANS. Lohengrin

2. (30 PTS.) Satellites can be placed into many different orbits. FTP each, name these three types of orbits from a brief description.

a. This type of orbit is useful because it enables the satellite to view the entire surface of the earth.

ANS. Polar orbit

b. This type of orbit, located 22,300 miles above the earth, is often used for communications satellites, because it allows the satellite to remain over the same spot on the earth's surface at all times.

ANS. Geosynchronous orbit

c. In this type of orbit, the satellite travels from west to east directly over the earth's equator.

ANS. Equatorial orbit

3. (25 PTS.) Richard Nixon appointed the 99th through 102nd justices to the Supreme Court. For 5 pts. each, 25 for all four, name them.

ANS. Warren Burger, Harry Blackmun, Lewis Powell, William Rehnquist

4. (30 PTS.) Identify the following authors based on the fictional places they have created, 5 pts. each, 30 for all five.

a. Macondo

ANS. Gabriel Garcia Marquez

b. Mordor

ANS. J.R.R. Tolkien

c. Cloudcuckooland

ANS. Aristophanes

d. Gibbsville, Pennsylvania

ANS. John O'Hara

e. Rosewater County, Indiana

ANS. Kurt Vonnegut

5. (30 PTS.) Identify this country, 30-20-10.

a. Its flag is mostly white with a small black line running horizontally along the middle.

b. It is bordered on the west and north by Namibia, on the northeast by Zimbabwe, and on the southeast by South Africa. It touches Zambia at one point in the north.

c. Its capital is Gaborone. It became the British protectorate of Bechuanaland in 1886. The country became fully independent Sept. 30, 1966, changing its name to the current name.

ANS. Republic of Botswana

6. (30 PTS.) Bush, Clinton and Perot didn't want to debate Andre Marrou. Marrou is a Libertarian, but, for 10 pts. each, what party do each of the following 1992 presidential candidates represent?

a. Leonora Fullani

ANS. New Alliance

b. John Hagelin

ANS. Natural Law

c. Ron Edwards

ANS. Peace and Freedom

7. (30 PTS.) I'll give you a famous French minister and you name the monarch under which he served, 5 pts. each.

- a. Cardinal Mazarin ANS. Louis 14th
- b. Cardinal Fleury ANS. Louis 15th
- c. Maurepac ANS. Louis 16th
- d. Colbert ANS. Louis 14th
- e. Cardinal Richelieu ANS. Louis 13th
- f. Jaques Necker ANS. Louis 16th

8. (30 PTS.) If the Wolfpack were playing the Tarheels, the participants would be N.C. State and North Carolina. For 5 pts. a pair, what college teams would be playing one another in these classic battles.

- a. Cornhuskers vs. Orangemen ANS. Nebraska vs. Syracuse
- b. Friars vs. Sooners ANS. Providence vs. Oklahoma
- c. Razorbacks vs. Bearcats ANS. Arkansas vs. Cincinnati
- d. Dons vs. Salukis ANS. San Francisco vs. Southern Illinois
- e. Little Quakers vs. Black Knights ANS. Swarthmore College vs. Army
- f. Sycamours vs. Flyers ANS. Indiana State vs. Dayton

9. (30 PTS.) The studies of Richard Dugdale and Henry Goddard were the basis of many modern eugenic theories. Dugdale's 1877 study profiled a family given a pseudonym meaning, in Gulla, "to fight or make trouble." Goddard's 1912 study profiled a family given the pseudonym meaning, in Greek, "beautiful and ugly." For 15 pts. each, what are both these pseudonyms?

ANS. Jukes and Kallikaks

10. (30 PTS.) Geologists classify marine organisms as living in one of three niches based on where in the sea it lives. For 10 pts. each, give the term for these types of marine organisms given a description.

- a. floating in the sea ANS. planktic
- b. swimming in the sea ANS. nectic
- c. living on the seafloor ANS. benthic

11. (25 PTS.) How well do you know your flags? Identify the following nations given a description of their flag, 5 pts. each.

- a. a solid field of green ANS. Libya
- b. three vericle stripes and a large capital "R" ANS. Rwanda
- c. a red star in the upper left-hand corner on a green field ANS. Benin
- d. a cedar tree ANS. Lebanon
- e. a single white star on a blue background ANS. Somalia

12. (25 PTS.) Where there's a will there's a way! A way, that is, on this bonus to earn some points by knowing these wills. 5 pts. each.

a. Who wrote the philosophical work The World As Will and Idea?

ANS. Arthur Schopenhauer

b. Who wrote the philosophical work The Will to Power?

ANS. Friedrich Nietzsche

c. Who wrote the Nixon era memoir Will?

ANS. G. Gordon Liddy

d. Who directed Triumph of the Will?

ANS. Leni Riefenstahl

e. Who created the comic-strip character Reverend Will B. Dunn?

ANS. Doug Marlette

13. (30 PTS.) Identify the British author from a list of works, 30-20-10.

a. the plays An Ideal Husband and A Woman of No Importance

b. the collection of fairy tales The Happy Prince, and Other Tales and The House of Pomegranates

c. the poems The Ballad of Reading Gaol and De Profundis

ANS. Oscar Wilde

14. (30 PTS.) Arrange these Middle Eastern events in chronological order, 5 pts. each in the correct location. They are: Egypt and Israel sign their peace treaty; the Palestine Liberation Organization is established; the first Lebanese Civil war erupts; King Hussein's army defeats PLO guerillas in a civil war for control of Jordan; Israel, joining forces with Britain and France to attack Nasser's Egypt, occupies most of the Sinai Peninsula; the Six-Day War occurs.

ANS. 1. Israel occupies Sinai 2. 1st Lebanese Civil War 3. PLO formed
4. 6-Day War 5. Hussein defeats PLO 6. Egypt/Israel treaty

15. (30 PTS.) Given a work and a year, identify the 20th century artists who painted it, 10 pts. each.

a. The Kiss (1908)

ANS. Gustav Klimt

b. Street, Berlin (1913)

ANS. Ernst Kirchner

c. Dance, Monster, to my Soft Song (1922)

ANS. Paul Klee

16. (25 PTS.) For 5 pts. each, 25 for all 4, given an equation in polar coordinates tell of what it is the graph. For example, if I said "r equals theta," you'd say "spiral of Archimedes."

a. r equals 2 sine theta

ANS. circle

b. r equals 1 minus sine theta

ANS. cardioid

c. r squared equals 4 sine 2 theta

ANS. lemniscate

d. r equals 4 plus 2 cosine theta

ANS. limacon

17. (30 PTS.) Canada isn't the only area of the world having problems with nationalist movements. Identify the following independence-minded regions, 10 pts. each.

a. Armenia desires to regain this mostly-Armenian enclave from Azerbaijan

ANS. Nagorno-Karabak

b. Spanish officials feared nationalist terrorists from this region might disrupt the Olympics.

ANS. Basque

c. Ethiopia has fought a civil war with rebels from this northernmost Ethiopian province since 1962.

ANS. Eritrea

18. (30 PTS.) Given a work by a 19th century American poet, identify its author for 5 pts. each.

- | | |
|---------------------------|--|
| a. Little Orphant Annie | ANS. James Whitcomb <u>Riley</u> |
| b. To a Waterfowl | ANS. William Cullen <u>Bryant</u> |
| c. Tales of a Wayside Inn | ANS. Henry Wadsworth <u>Longfellow</u> |
| d. Passage to India | ANS. Walt <u>Whitman</u> |
| e. Snowbound | ANS. John Greenleaf <u>Whittier</u> |
| f. The Marshes of Glynn | ANS. Sydney <u>Lanier</u> |

19. (30 PTS.) Name the authors of these classic works of history, 5 pts. each.

- | | |
|---------------------------------|------------------------|
| a. <u>The Peloponnesian War</u> | ANS. <u>Thucydides</u> |
| b. <u>The Persian War</u> | ANS. <u>Herodotus</u> |
| c. <u>The Anabasis</u> | ANS. <u>Xenophon</u> |
| d. <u>Germania and Annales</u> | ANS. <u>Tacitus</u> |
| e. <u>Lives of the Caesars</u> | ANS. <u>Suetonius</u> |

20. (30 PTS.) Almost all personal computers today are IBM-compatible or Macintosh. But this wasn't so for much of the brief history of home computing. For 10 pts. each, name these older computers.

- a. It was videogame manufacturer Coleco's entry into the computer market.

ANS. Adam

- b. It came in models such as plus, c, e, and the newest, gs.

ANS. Apple II

- c. Marketed by Radio Shack, it was the most like modern DOS-based of early computers, and came in Models I, II, III, and IV.

ANS. TRS-80

21. (20 PTS.) Time for 8th grade math! Given a statement, give the converse and the contrapositive, 10 pts. each "If x is less than 3, then x is less than 5."

ANS. converse is "If x is less than 5, then x is less than 3"

contrapositive is "If x is not less than 5, then x is not less than 3"

22. (25 PTS.) Name the nation which held the following modern-day countries or region in 1914, 5 pts. each.

- | | |
|------------------|---------------------------|
| a. Guinea-Bissau | ANS. <u>Portugal</u> |
| b. Tunisia | ANS. <u>France</u> |
| c. Cameroon | ANS. <u>Germany</u> |
| d. Zanzibar | ANS. <u>Great Britain</u> |
| e. Senegal | ANS. <u>France</u> |