

Round 6

4/97 12/96

Georgia Tech II Emory Junior Bird 1995
TOSSUPS edited ltm

1. The protagonist of this novel wavers between two women, Aglaya Epanchin and Natasha Filippovna. His vacillations manage only to hurt both women and ultimately to enrage the jealous Rogozhin to the point of attempting the murder of the protagonist and succeeding in murdering Natasha. FTP, identify this novel which concerns the gentle, childlike Prince Myshkin, written by Fyodor Dostoyevsky.

ANSWER: The Idiot

2. Sometimes called paraffins, meaning "little affinity," these hydrocarbons are so-called because they do not react with many reagents. Their formula is $C(n)H(2n+2)$ [READER NOTE: read "C open parentheses n close parentheses H open parentheses 2n + 2 close parentheses"] and they include such compounds as methane, ethane, and propane. Name these saturated hydrocarbons.

ANSWER: alkanes

3. This group of barbarians crossed the Danube into the Roman Empire in AD 376, and were responsible for the fall of Adrianople two years later. Later on, these barbarians joined forces with the Roman army to drive off the Hun invasion in 453. FTP name this group of barbarians, one of their generals, Alaric, was responsible for sacking Rome itself in 410.

ANSWER: Visigoths

4. This theory of developmental psychology was one of the first to trace development throughout life, not just from birth to late adolescence. Devised by Erik Erikson, it postulates that there are eight stages to development. In each stage, there is a crisis that must be overcome before the person can progress to the next stage. FTP, name this theory.

ANSWER: psychosocial theory of development

5. In 1414 this Council was summoned by the Holy Roman Emperor Sigismund, which led to the abdication of Pope Gregory XII, and the deposing of the two popes at Avignon and Pisa. In their places the council elected Martin V. FTP name this council, which ended the Great Schism and is also noted for the condemnation and burning of the heretic Jan Hus.

ANSWER: The Council of Constance

6. Portia disguises herself as a judge and successfully manages to spare the life of Antonio. He has borrowed 3000 ducats from the Jewish money-lender Shylock, with the stipulation that if the money is not repaid on time, Antonio must forfeit one pound of his flesh. FTP name this Shakespearean play.

ANSWER: The Merchant of Venice

7. This series of spectral lines was first discovered in 1885. These lines in the visible light spectrum represented wavelength emissions from a hydrogen atom, and it was also found that the resulting lines converges to a series limit, known as the Rydberg constant, which is approx. 3646 angstroms. FTP name this series, from which later were discovered the Lyman and Paschen series of spectral lines.

ANSWER: Balmer series

8. During this man's lifetime he authored a number of works which focused on the theological and psychological studies on free will versus predestination, the problem of evil, and the nature of religious experience, as well as an autobiography. FTP name this master of hell-fire and brimstone sermon, most famous for his "Sinners in the Hands of an Angry God."

ANSWER: Jonathan Edwards

9. Made by Hephaestus out of clay, made alive by Athena, given charm by Aphrodite, and taught guile and treachery by Hermes, this woman was then sent to Prometheus' brother Epimetheus. FTP, name this mythological woman, whose name means "all-gifts," from whom the race of women is said to have descended, and is responsible for releasing pestilence in the world by opening a box.

ANSWER: Pandora

10. This element was named after the native country of its discoverer, who found it while trying to explain the cause of radioactivity in pitchblende. It is known to be a volatile metal, is an alpha emitter with a half life of 139 days, and has more isotopes than any other element, of which it has 34. FTP, name this element, formerly referred to as Radium-F, and was discovered in 1898 by Madame Curie.

ANSWER: Polonium

11. In 1725 this Russian official managed by way of his mistress Catherine I to run state affairs in Russia for two years. He attempted to secure his power by appointing a 6 man Supreme Privy Council, and planned to marry his daughter to the 11 year old Peter II, the legitimate heir to the throne. However, his support waned and he was forced in exile by Boyar factions who resumed their power. FTP, name him.

ANSWER: Menshikov

12. This Dominican Friar preached church reform in Florence; legend erroneously states that he refused the dying Lorenzo de'Medici final absolution. After Lorenzo's death he ruled Florence for several years, issuing many famous sermons and quarrelling with Pope Alexander VI over Alexander's less-than-discreet lifestyle. After his eventual burning at the stake, a cult in his honor developed, and a movement for his canonization sprung up that was still alive in this century.

ANSWER: Savonarola

13. This Jewish observance takes its name from the Hebrew phrase for "Beginning of the Year." Usually celebrated in September or October, it includes the ritual blowing of the shofar. What is this Day of Remembrance?

ANSWER: Rosh Hashanah

14. This award is given by the ACM to recognize technical contributions to the computing industry. Worth \$25,000, winners include Donald Knuth, Dennis Ritchie and Ken Thompson, and Ivan Sutherland. FTP, what is this award, named in honor of a brilliant twentieth-century British mathematician, most famous for his self-named test of computer intelligence?

ANSWER: Turing Award

15. The last king of this state, Attalus III, kept a special garden composed entirely of poisonous plants, which he would occasionally serve to unsuspecting dinner guests. When he died in 133 BC, he willed his entire state to Rome. For ten points, name this state, whose vast treasury became a source of dispute between Tiberius Gracchus' set up Agrarian Commission and the Roman Senate.

ANSWER: Pergamum

16. Her *Claudine* books, written with her husband, were published under the pseudonym Willy. She wrote wry, penetrating novels concerning the demimonde (deh-mee-mohnd) and the feminine heart. Her best-known works include the childhood reminiscences in *The House of Claudine* and *Sido* (SEE-doh), and the 1945 novel *Gigi*.

ANSWER: Colette (pen name of Sidonie Gabrielle Colette)

17. He has been the subject of several biographies including John Bierman's "Righteous Gentile". Born to a wealthy Swedish family, he was trained in architecture and employed in banking before reportedly dying in 1947 in a Moscow prison. FTP name this man, who when based at a Swedish legation in Budapest Hungary during WWII saved as many as 100,000 Jews.

ANSWER: Raoul Wallenberg

18. Bordered by Belize, Honduras, and El Salvador, this Central American country's capital city shares the same name as the country itself. FTP, name it.

ANSWER: Guatemala

19. This idea was first espoused in Plato's Republic. As recently as the 1970's, it resulted in the involuntary sterilization of some insane, retarded, and epileptic patients in the United States. Largely discredited because of Nazi support of this idea as justification of the programs, this idea can be defined as "the study of human improvement by genetic means."

ANSWER: eugenics

20. Born in 1888 in Norway, this chemistry professor helped popularize the forward pass during his college football-playing days. FTP, name this famed coach who led Notre Dame's team to a 105-12-5 record during his thirteen years as head coach as well a winning three championships and having five undefeated seasons.

ANSWER: Knute Rockne

21. This religious order was established in 1078 AD at Citeaux, France, and shunned civilized life by retreating to uninhabited forests and swamps. Their most famous proponent was St. Bernard, who became a member in 1112 and founded a monastery at Clairvaux and was most responsible for the order's growth and influence. FTP, name this order, which became the one of the most influential orders in Europe during the 12th century.

ANSWER: The Cistercians

22. Japanese Zen Buddhism split into two major traditions in the thirteenth century. This man is usually credited with originating the Soto tradition. A monk, he was dissatisfied by Japanese Buddhism's decadence at the time, so he traveled to China and studied there. Eventually, he established the Eikei monastery, which is still the principal monastery of the Soto tradition.

ANSWER: Dogen Zenji

23. For a quick ten points, name the painter of "The Adoration of the Magi", "Adam and Eve", and "Four Apostles."

ANSWER: Albrecht Durer

24. Fans of this philosopher can make a pilgrimage to the University College, in London, where his embalmed body is on display. Greatly influenced by Hume, this utilitarian only wrote one major book, Introduction to the Principles of Morals and Legislation. He is famous for his Hedonistic Calculus and for his belief that pleasures vary only in quantity.

ANSWER: Jeremy Bentham

25. In 1897, a little girl wrote a letter to the editor, asking "Is there a Santa Claus?" In a now-famous reply, he answered, "Yes, Virginia, there is a Santa Claus." For 10 points, name the editor of the New York Sun who replied to the letter by Virginia O'Hanlon.

ANSWER: Francis P. Church

26. This theory was developed by A NASA scientist who got fired for his unorthodox approach to extraterrestrial biology during the 1960's, James Lovelock. He now earns his living by inventing complex instruments and by writing about his unusual theory, which states that the Earth is a living organism. FTP, name this theory.

ANSWER: The Gaia Hypothesis

Round 6

Georgia Tech II

BONUSES

(Emory Junior Bird 1995)

1. Identify the organizations for the stated number of points.

5 The Glass-Steagall Banking Act of 1933 set up this organization to eliminate recurrent bank failures by insuring deposits up to a fixed sum.

ANSWER: FDIC (Federal Depositors' Insurance Corporation)

X 10 On February 11, 1937 this organization forced a settlement from General Motors after a 44 day "sit-down" strike in which machinery and property of employers were withheld until demands were met.

ANSWER: CIO (Congress of Industrial Organizations)

V 15 This agrarian society was the result of the 1868 collapse of rural prosperity, and established itself in Fredonia, New York. By the panic of 1873, this society had started group organizations in all but four states and at it's height boasted a membership of 800,000.

ANSWER: The Grange (also called the Patrons of Husbandry)

2. 10pts each name the mythological character.

He is occasionally referred to as Akmonides, or son of Akmon, whose name meant "stone" in possible conjunction with the heavens, since the ancient Greeks thought the heavens were made of stone. He was the father of Chronos

ANSWER: Uranus ✓

This immortal monster was begat by Earth and Tartarus and was a hundred headed serpent. He battled with Zeus, and was pursued by him until Zeus finally slew him and buried him under Mt. Aetna (Etna). The gods managed to flee from his wake of destruction by disguising themselves as animals.

ANSWER: Typhon X

This god was also referred to as the Spirit of the Stone, because of the piles of stone used to mark holy places alongside the roadways, of which he was also god. He was the son Zeus and Maia.

ANSWER: Hermes ✓

3. Answer the following questions on an American author for ten points each:

A. In 1963, he was selected to receive the Presidential Medal of Freedom. Name this author of "The Trumpet of the Swan" and "Stuart Little"

ANSWER: E. B. White (Elwyn Brooks White 1899-1985) X

B. The following questions will deal with White's book Charlotte's Web.

What is the name of the Major human character, a little girl?

ANSWER: Fern ✓

C. What is the name of the rat? X

ANSWER: Templeton

4. FTP each, name the German composer after given clues:

A. In 1792, this one-time court musician for the Elector of Cologne left Bonn for Vienna to become a pupil of Haydn and to establish himself as a composer and virtuoso pianist.

ANSWER: Ludwig van Beethoven ✓

B. In 1853, he joined violinist Eduard Remenyi in a series of concert tours. In that same year he met Schumann, who quickly recognized his genius. He composed the *German Requiem*.

Johannes Brahms ✓

C. In 1762, he produced the first of his 'reform' operas, *Orfeo ed Euridice*. His other operas include *Paris and Helen*, *Armide*, and *Iphigenie en Tauride*.

ANSWER: Christoph Willibrand von Gluck ✓

5. For 10 pts. Give the capital cities of the following countries:

a) Mongolia

Ulan Bator

b) Belize

Belmopan

c) Bangladesh

Dhaka

6. Answer these questions about a Spanish-Italian family.

A. Machiavelli said this man "never did anything, or thought of anything, other than deceiving men." His original name was Rodrigo Borgia. FTP, name him

ANSWER: Alexander VI ✓

B. One of Alexander VI's sons was a cardinal by 1493, but quit the church for politics. Intelligent, cruel, treacherous, and opportunistic, he has long been considered the Machiavelli's model prince.

ANSWER: Cesare Borgia ✓

C. Cesare's sister, this woman's husbands included Alfonso of Aragon and Alfonso d'Este. The stories of her crimes and vices are now considered unfounded.

ANSWER: Lucretia Borgia [Accept Lucrezia] ✓

7. For 15 points each, name the work by W. H. Auden:

15 It concerns 3 men and a woman who meet by chance in a New York bar in wartime. In a common dream, they set out on a quest through a barren wasteland.

ANSWER: The Age of Anxiety X

15 In a political crisis involving a border dispute, Michael Ransom is persuaded to lead an expedition up a mountain that the natives of "British Sudoland" believe to be haunted in such a way that each man meets his own demon there.

ANSWER: The Ascent of F6 X

8. 5-10-15 name the Greek figure

✓ 5. This Athenian comic dramatist produced forty plays in his lifetime, at the rate of about one play a year until his death in 388BC. His last two plays which survive, "Ecclesiazusae" and "Plutus," mark the transition to the Middle Comedy which made fun of manners and custom, as opposed to individual figures.

ANSWER: Aristophanes

X 10. This 1st cent. Rhodian rhetorician was Rhodes' ambassador to Rome twice, and taught the famous statesmen Cicero and Caesar.

ANSWER: Apollonius Melon

✓ 15. This Pythagorean poet of Agrigentum, Sicily lived from 492-432BC, wrote philosophical works such as "On Nature" and "Purifications," which try to explain the nature of the universe, the transmigrations of souls, and the four elements

ANSWER: Empedocles

9. Identify the mathematical term (30,20,10).

X 30 Examples in nature include dendritic growth and coastlines

-20 Mathematical examples include von Koch's non-differentiable curve and Serpenski's Triangle

10 Benoit Mandelbrot defines them as "point sets with non-integer dimensions."

ANSWER: fractals (or fractal sets)

10. Given works, name the French artist for 5 points each with a 5 point bonus for all 5:

X 5 *Man with a Guitar* and *Road Near L'Estaque*

ANSWER: Georges Braque

✓ 5 *Mont Saint-Victoire* and *The Card Players*

ANSWER: Paul Cezanne

✓ 5 *Olympia* and *Bar at the Folies-Bergere*

ANSWER: Edouard Manet

X 5 *At the Millener's* and *Foyer of the Dance*

ANSWER: Edgar Degas

✓ 5 *The Dream* and *Sleeping Gypsy*

ANSWER: Henri Rousseau

11. Identify three authors from works on a 10-5 basis.

10 Hugging the Shore X

5 The Witches of Eastwick ✓

ANSWER: John Updike

10 Bound East for Cardiff ✓

5 Beyond the Horizon

ANSWER: Eugene O'Neill

10 Moran of the Letty X

5 The Pit ✓

ANSWER: Frank Norris

12. 10-5 give the year these events occurred.

10. Sun Yat-sen sets up a Chinese Nationalist Republic; Stravinsky composes his "Petrouchka."

5. Vitamins are classified; Rutherford announces his nuclear theory.

ANSWER: 1911

X 10 Sir Walter Scott publishes the first medieval romance novel, "Waverly;" Modern chemical symbols are introduced by Berzelius.

✓ 5 The Congress of Vienna begins; the British burn down Washington.

ANSWER: 1814

X 10 The neutrino is first detected; nuclear power as a viable energy source is first produced in Britain;

✓ 5 The Soviets invade Hungary to put down a nationalist uprising.

ANSWER: 1956

13. 10-5 give the act passed.

X 10 This Act created a board which was composed of the Secretary and Comptroller of the Treasury, plus six men appointed by the President. It's original aim was to provide more access to credit for farmers.

✓ 5 When created in 1913, it divide the country into twelve districts, each with a federal bank owned by the banks under its membership.

ANSWER: Federal Reserve Act

✓ 10 This Act was Congress' compromised reaction to Roosevelt's proclamations to regulate the railway industry; Congress was asked by Roosevelt to give the Interstate Commerce Commission, which the Act created, the power to set maximal rates.

5 Passed in 1906, it was one of the biggest advances in railway regulation by regulating for the first time things such as storage, refrigeration and pipeline companies, and later in 1910 was extended to include telephone and telegraph companies.

ANSWER: Hepburn Act

X 10 This Act came out of the Smith Act of 1940, and was appended to the Internal Securities Act of 1950.

X 5 It was not passed until 1954, under the strains of McCarthyism, and formally outlawed Communism.

ANSWER: Communist Control Act

14. Identify the Biblical prophet (30,20,10).

X 30 He preached in Jerusalem and Babylon in the first thirty years of the sixth century B.C.

X 20 During his time in Jerusalem, he warned the people of the impending destruction; while in Babylon after the destruction of Jerusalem, he promised that a new covenant between God and Israel would be established and that the Temple would be rebuilt in Jerusalem.

✓ 10 A quote from him plays a prominent role in 1994's best movie, Pulp Fiction.

ANSWER: Ezekiel

15. Answer these questions about Aleksandr Pushkin FTP's each:

10 How did he die? X

ANSWER: In a duel [READER NOTE: accept equivalent]

10 He founded this literary journal, Sovremennik. FTP give the magazines English name.

ANSWER: The Contemporary X

10 A novel in verse about the shallow title character and Tatyana.

ANSWER: Eugene Onegin X

16. Identify the cartoonist (15 points each).

15 When 1994 ended, so did this cartoonist's strip. Citing exhaustion, he quit. Meanwhile, mourning scientists are redoubling their efforts to find more unusual insects to name in his honor.

ANSWER: Gary Larson

15 Because of this man's belief that comic strips, like novels, should have a beginning and ending, He ended his first strip in 1989. Now he has announced that his second comic strip (which featured several characters from the first strip) will end in May of 1995.

ANSWER: Berke Breathed

17. For the most part, mammals are placental. There are, however, two other categories. For ten points a piece, name the other two:

ANSWER: Marsupials and Monotremes

You'll earn five points a piece if you can give the common name to the two members of Monotremata.

ANSWER: Echidna (spiny anteater) and the duck-billed platypus

18. 30-20-10 give the president

30. He was born in 1791 in Mercersburg, and was a graduate from Dickinson College in 1809.

20. He maintained a legal career in Lancaster, served in the state legislative body, and for the next forty years up to his presidency served as senator, and as Secretary of State under Polk.

10. Among his goals as President were to reunite the badly split Democratic party and to prevent the rise of a Republican president. Though he managed to marginally defeat Fremont, he failed in his party attempt to prevent the Republicans from getting the office the following elections.

ANSWER: James A. Buchanan

19. Given films, name the foreign director FTP's each:

10 Grand Illusion and The Rules of the Game

ANSWER: Jean Renoir

10 The Lower Depths and The Idiot

ANSWER: Akira Kurosawa

10 La Dolce Vita and Satyricon

ANSWER: Federico Fellini

20. 30, 20, 10, Name the physicist.

30 He taught at the University of California and Cal Tech, as well as serving as director of the Institute for Advanced Study at Princeton for twenty years.

20 Born in 1904 in New York City, he served on the general advisory committee of the Atomic Energy Committee until being suspended as a security risk.

10 He is best known for directing the labs at Los Alamos, New Mexico from 1942 to 1945

ANSWER: J. Robert Oppenheimer

21. Name this computer scientist (30,20,10).

30 Developed the Oberon programming language.

20 Developed the Modula and Modula-2 programming languages.

10 Revered by students and computer scientists everywhere for his development of Pascal.

ANSWER: Niklaus Wirth

22. For 5 pts. apiece, given the US president, give his ordinal position among the US presidents i.e. Bill Clinton-- 42nd.

- 5 James Knox Polk ANSWER: 11th
- 5 Benjamin Harrison ANSWER: 23rd
- 5 Millard Fillmore ANSWER: 13th
- 5 Harry S. Truman ANSWER: 33rd
- 5 Rutherford B. Hayes ANSWER: 19th
- 5 Chester A. Arthur ANSWER: 21st

23. Name the author from his works (30,20,10).

- 30 Egmont
- 20 Wilhelm Meister
- 10 Faust

ANSWER: Johann Goethe

24. Name the author from his works (30,20,10).

- 30 The Inspector General
- 20 The Overcoat
- 10 Dead Souls

ANSWER: Nikolai Gogol

25. Element 106 is known by two names. For 15 points each, give the:

15 American name

ANSWER: Seaborgium

15 official name

ANSWER: Rutherfordium