

2/97

T-1. He is one of the officers on the Patna who frantically flees to lifeboats deserting 800 mostly Muslim passengers. The ship however survives to port, and he becomes a wandering outcast. His life comes to a second crisis when his friend Dain Waris is killed by white men whom he has befriended. FTP name this title character of a Conrad novel.

LORD JIM

T-2. The bacterial disease produces the toxins which can damage nervous tissue and heart muscle; cardiac failure, paralysis of the palate, eye movement, and peripheral neuritis may follow. The now-uncommon disease is characterized by a "pseudomembrane" on the throat and pharynx. FTP name the disease from which children are immunized using the DPT vaccine.

DIPHTHERIA

T-3. They are the heraldic supporters of the old royal coat of arms of Scotland. A battle between it and the lion is prominent in an episode from Through the Looking Glass, and it is mentioned in The Faerie Queene. The earliest writer to describe it is Ctesias (c. 400 BC). Its body is white; head, red; and eyes, blue. FTP name the animal that is depicted by medieval writers as having the legs of a buck, the tail of a lion, the head and body of a horse, and a single horn.

UNICORN

T-4. He succeeded the Viscount Castlereagh as foreign secretary and followed the same foreign policy as his predecessor but with a flair for public relations that made him seem much more liberal. He supported independence movements in the Spanish colonies leading to the British domination of Latin American affairs in the early nineteenth century. He tried and ultimately failed to win autonomy for the Greeks, then under Turkish rule. FTP name this Tory who became Prime Minister after turning the foreign office over to the eminently capable Lord Palmerston.

George CANNING

T-5. At its first production, it provoked a riot by Catholics offended by what they considered to be the author's theological irregularity in having God save the heroine's life at the end. The part of the title character was written for Maud Gonne. In her wanderings through Ireland, she is accompanied by an old nurse Oona and the poet Aleel who loves her in vain. FTP name this poetic drama by William Butler Yeats that describes how the heroine sells her soul to the devil in exchange for the souls of starving Irish peasants.

The COUNTESS CATHLEEN

T-6. This era saw the gradual weakening of the empire and the loss of its northern territories to the Jurchen Chin in 1126. It was a period of cultural ferment in which great urban centers developed for the first time. Ch'an Buddhism became dominant, and Chu Hsi established a revitalized Confucianism as the principal political and moral force. FTP identify this Chinese dynasty in power from 960 to 1279 that succeeded the T'ang and was conquered by the Yuan.

SUNG Dynasty

T-7. He produced ballets for the Ballet Russes. His collaborators included Blaise Cendrars, Pablo Picasso, Eric Satie, Les Six, and Igor Stravinsky. A French poet, novelist, essayist, film writer, and director, he was at the vanguard of nearly every experimental artistic movement in the first half of the twentieth century, particularly cubism and surrealism. FTP name the man behind Oedipus Rex, Beauty and the Beast, The Infernal Machine, and Les Enfants Terribles.

Jean COCTEAU

T-8. It is very electropositive and is produced by electrolysis through the Downs process. Its high heat capacity and conductivity makes it a useful coolant in nuclear reactors in its molten form. A solid at room temperature, it is often stored in kerosene to prevent rapid oxidation in air. FTP name

this soft, silvery-white alkali metal that is the sixth most common element and has atomic weight 23.0 and atomic number 11.

SODIUM

T-9. She is said to have slept with an entire Roman legion outlasting armies of prostitutes. Her name has since become a byword for lasciviousness and incontinency. FTP name this woman, the mother of Octavia and Britannicus and the third wife of the Emperor Claudius put to death for her adultery.

Valeria MESSALINA

T-10. The 1778 oil painting ensured the artist's appointment to the prestigious Royal Academy. The seemingly spontaneous poses actually were based on art historical precedents. One pose recalls Raphael's altarpiece of the Archangel Michael using a spear to drive Satan out of heaven. It was commissioned by its primary subject as a warning to swimmers. The portrait shows nine seamen rushing to help a naked boy immersed in bloody water--evidence that his right foot was bitten off. FTP identify this John Singleton Copley canvas now at the National Gallery of Art.

WATSON AND THE SHARK

T-11. Its entropy is defined based on the theorem that it has no hair. Its only practical physical observables are mass and angular momentum. The first law of its dynamics equates the product of the surface gravity and change in area of this body with the energy added to it. In any natural process the surface area of its event horizon always increases. FTP what is this object formed by the collapse of stars whose size is determined by its Schwarzschild radius.

BLACK HOLE

T-12. The genre was closely associated with the magazine Black Mask and with its editor Joseph T. Shaw. Its literature was closely akin to the writings of Hemingway and Dos Passos. Well known writers included W.R. Burnett, Raymond Chandler, and Dashiell Hammett. FTP name the type of American crime story infused with a sense of gritty realism that is generated by laconic, often crude, dialogue; the depiction of cruelty and bloodshed at close range; and the use of sordid environments.

HARD-BOILED Fiction

(ask for more on _Mystery_
or _Detective Story_)

T-13. Its famous edifices include the Hofburg, Schonbrunn, and Belvedere Palaces as well as the Cathedral of St. Stephen and the Opera House. Originally a Roman town, it became the residence of the Hapsburgs in 1282 and was besieged by the Turks in 1529 and 1683. When you're there you can visit the grave of Ludwig Boltzmann. FTP name the city associated with Beethoven, Haydn, Mozart, and the Strauss that lies on the beautiful, blue Danube.

VIENNA, Austria

T-14. William Cullen Bryant wrote a poem about this hero of the American Revolution. On the 8th of September 1781, he participated in the battle of Eutaw Springs, South Carolina and fought at Charleston. After the war he served in his state's senate and on the state constitutional convention. FTP name this soldier known for his skill in retreating, Indian-fashion, to bogs and forests after quick and effective raids on British forces who was nicknamed "the Swamp Fox".

Francis MARION

T-15. Its aim was to convey inner, subjective experience through external, objective means. Films were characterized by highly stylized sets and acting and shot in studios where they could employ deliberately exaggerated lighting and camera angles to emphasize fear, horror, and pain. Aspects of this movement were adopted by Alfred Hitchcock and Orson Welles. FTP identify the reflective and contemplative technique introduced in Robert Wiene's The Cabinet of Dr. Caligari that was brilliantly utilized by F.W. Murnau and Fritz Lang.

EXPRESSIONISM

T-16. He lives on Jeopardy Lane; he has carried on sexual liaisons with Pamela Anderson, Tracy Lords, and Jessica Hahn; his mother-in-law weighs

over 300 pounds and resembles a cow. These are some of the facets in the life of a certain man, whose favorite movie is Hondo, but still bursts into tears when he watches Jimmy Stewart's Shenandoah. Though he organized a civic group called "No Ma'am", he is probably better known for scoring four touchdowns in one game for Polk High. FTP name this character played by Ed O'Neill on Married...With Children.

Al BUNDY

T-17. Its style is Racinian in its brilliance, lucidity, and precision, diabolical in its impassivity. It is essentially a study of the fascination and power of evil, and one is struck by the absence of frivolity and sentimentality in this humorless depiction of the battle of the sexes. It was made into a film directed by Stephen Frears. FTP identify the epistolary novel by Pierre Choderlos de Laclos that concerns the corruption of innocence and virtue by the profligate Valmont, and his equally vicious and immoral mistress Madame de Merteuil.

Les LIAISONS DANGEREUSES or
DANGEROUS LIAISONS

T-18. It emerged from the work of Jordan, Heisenberg, and Pauli and was formulated by Dirac from 1926-1934. The theory arose as a combination of the principles of quantum mechanics with special relativity, incorporating Maxwell's equations and a fundamental equation governing the motion and spin of electrons. The formalism was made workable by Bethe, Dyson, Tomonaga, Schwinger, and Feynman. FTP identify this theory that earned the 1965 Nobel Prize for Physics.

QUANTUM ELECTRODYNAMICS or
Q.E.D.

T-19. A son of Phlegyas, the Lapith king, he agreed to marry Dia, daughter of Eioneus. Having laid a pitfall in front of his castle with a great charcoal fire underneath, Eonius fell and was burned to his death. Zeus purified him and invited him to dine at his table. Ungrateful, he tried to seduce Hera. Zeus, having read his intentions, fashioned a cloud into a false Hera which he bedded begetting the Centaurs. FTP name the man who was hounded by Hermes until he repeated the maxim "Benefactors deserve honor" and was ultimately bound to a fiery wheel which rolled without cease through the sky.

IXION

T-20. Two days before the opera's premiere, the overture was not yet written. According to tradition Mozart spent the evening writing it as Constanze kept him awake by giving him hot punch to drink and telling him amusing stories. The composer was rumored to be carrying on flirtations with all three leading sopranos and gossip had it that when Anna was disappointed with the maestro's appearance he bestowed his favors to the singers who played Zerlina and Elvira. FTP identify the opera whose male leads include Leporello, the Commendatore, and the title character, a young and especially licentious libertine.

DON GIOVANNI

T-21. He was implicated in a plot to rescue the earl of Strafford from the Tower of London in 1641 and died a fugitive in France, possibly a suicide, possibly the victim of a vengeful servant. In his poems he could play both the ardent lover and skeptic--although the latter pose gave more scope for the wit which distinguishes lyrics like the song "Why so pale and wan, fond lover?" from his play Aglaure. Other works include "Sessions of the Poets" and Brennoralt, or the Discontented Colonel. FTP name the Cavalier poet whose work was influenced heavily by John Donne.

John SUCKLING

BYU 1995 Perpetual Motion Invitational
Bonus Questions by V. Jejjala
Maryland Academic Quiz Team

Note: All bonus questions are valued at 30 points.

B-1. [30] Given a description of a physical effect name it for the stated

number of points.

5: The process by which electromagnetic radiation incident on a surface liberates electrical charge, which is detectable in an electric field.

PHOTOELECTRIC Effect

10: The increase in wavelength of electromagnetic radiation, observed mainly in the X-ray and Gamma-ray region, on being scattered by material objects.

COMPTON Effect

15: Recoil free gamma-ray resonance absorption.

MOSSBAUER Effect

B-2. [30] Given a series of events, name the monarch who ruled England at the time they occurred FTP each.

a. Battle of Lepanto is fought, Edict of Nantes is issued

ELIZABETH I

b. Pragmatic Sanction issued by Charles VI, St. Petersburg is founded

ANNE

c. Georges Boulanger fails to establish a dictatorship in France, Gold rush begins in Klondike

VICTORIA

B-3. [30] Given a quote from a poem, identify the poet FTP. If you need the work 5 points are awarded.

10: "Grow old along with me!

The best is yet to be,

The last of life, for which the first was made."

5: "Rabbi Ben Ezra"

Robert BROWNING

10: "Twas brillig and the slithy toves

Did gyre and gimble in the wabe;

All mimsy were the borogoves

And the mome raths outgrabe."

5: "Jabberwocky"

Lewis CARROLL

10: "So 'ere's to you... at your 'ome in the Soudan;

You're a pore benighted 'eathen but a first-class fightin' man."

5: "Fuzzy Wuzzy"

Rudyard KIPLING

B-4. [30] Given a work of Baroque art, name the artist who created it FFP each.

a. _David_ (1623)

Gianlorenzo BERNINI

b. _Quince, Cabbage, Melon, and Cucumber_ (c. 1602)

Juan Sanchez COTAN

c. _The Letter_ (1666)

Jan VERMEER

d. _Marie de Medici, Queen of France, Landing in Marseilles_ (1622-1623)

Peter Paul RUBENS

e. _The Calling of St. Matthew_ (c. 1599-1602)

Michelangelo CARAVAGGIO

f. _Landscape with the Flight into Egypt_ (c. 1603)

Annibale CARRACCI

B-5. [30] Now identify these baroque composers for the stated number of points.

5: At the end of his life, his music was regarded as an outdated vestige of the old contrapuntal style. It was not until Mendelssohn revived his

St. Matthew Passion in 1829 that he was recognized as among the greatest composers of the baroque.

Johann Sebastian BACH

10: A famous violinist, he wrote over 50 operas. J.S. Bach used many of his themes in his own compositions. FTP who wrote a famous _Adagio in G minor_ and is renowned for his _Concerti for Oboe_.

Tomaso ALBINONI

15: A French composer, his _The Art of Harpsichord Playing_ greatly influenced J.S. Bach. F15P who honored his fellow composers in the

Apotheosis of Corelli and the _Apotheosis of Lully_.

Francois COUPERIN

B-6. [30] Since I usually play with Mike Starsinic and Jesse Molesworth, I don't get as many mythology questions as I used to. Let's see if you or

they can 30 this bonus about how some figures from Greek myth were born.

10: He is called the "twice-born" or the "child of the double door" in

reference to the six months he spent in Semele's womb and the three months he spent in Zeus's thigh. FTP who is he? DIONYSUS

20: Hephaestus tries to ravish Athene and ejaculates on her thigh. She wiped off the seed with a handful of wool and throws it to the ground where it fertilizes Mother Earth who bears the child and gives the infant to Athene. F20P name the child. ERICHTHONIUS or Erechtheus

B-7. [30] Answer the following about the Jacobin Club FTP each.

a. The Jacobin club was founded by liberal members of the National Assembly at Versailles in 1789. FTP what was its initial name?

CLUB BRETON

b. In spite of his early notoriety as a pleasure-seeker, his unusual gift for oratory won him a spot in the public spotlight as a leader of the Jacobins. In the first two years of the Revolution, he advocated a limited constitutional monarchy. No, he isn't Danton, Marat, or Robespierre. FTP name him.

Comte de MIRABEAU

c. The club was suppressed when Robespierre was overthrown and executed and the Reign of Terror ended. What name is given to these events of 27 July 1794?

THERMIDOR REACTION or
REBELLION of 9 THERMIDOR

B-8. [30] Name the diseases on a 15-10-5 basis.

15: It was the subject of a classic epidemiological study by John Snow in 1854.

10: Endemic in many parts of the east, this water borne infection is characterized by acute abdominal pain and diarrhea with rapidly developing dehydration and shock.

5: The disease figures in the name of a work by Gabriel Garcia-Marquez.

CHOLERA

15: Vaccination by injection of the vaccinia virus into the bloodstream renders immunity to this disease.

10: It is characterized by fever, headache, general malaise, followed by a rash. Lesions start simultaneously.

5: This disease caused by the variola virus was proclaimed eradicated by the WHO in 1980.

SMALLPOX

B-9. [30] Identify the Roman poet FTP each.

a. His fourth Eclogue was often interpreted as a prophecy for the birth of Christ during the middle ages. His other poetic works include the Bucolics and the Georgics.

Publius VIRGILIUS Maro

b. The great love of his life was "Cynthia". Both she and the poet were constantly unfaithful to each other, but demanded fidelity of the other. Ezra Pound wrote an homage to him.

Sextus PROPERTIUS

c. A native of Sulmo, he died an exile on the Black Sea. The Emperor Augustus banished him because of a book and something he "saw". The book was the Ars amatoria, but what he "saw" is still unknown.

Publius OVIDIUS Naso

B-10. [30] Given a science fiction work, name the author FFP each.

a. Dune

Frank HERBERT

b. The Skylark of Space

E.E. "Doc" SMITH

c. Dandelion Wine

Ray BRADBURY

d. Stranger in a Strange Land

Robert A. HEINLEIN

e. Mona Lisa Overdrive

William GIBSON

f. Star Maker

Olaf STAPLEDON

B-11. [30] Given the protagonist from a work of literature and the type of work, name the work FFP each.

a. Gabriel Conroy, a short story

THE DEAD

b. Pavel Chichikov, a novel

DEAD SOULS

c. Gustav von Aschenbach, a novel

DEATH IN VENICE

d. Willy Loman, a play

DEATH OF A SALESMAN

e. Portia Quayne, a novel

THE DEATH OF THE HEART

f. Joseph Vaillant, a novel

DEATH COMES FOR THE ARCHBISHOP

B-12. [30] Given a pair of films, name the director FFP each.

a. The Birth of a Nation (1915) and Orphans of the Storm (1921)

- b. Strike (1924) and Ten Days That Shook the World (1928) D.W. GRIFFITH
- c. L'Age d'or (1930) and That Obscure Object of Desire (1977) Sergei EISENSTEIN
- d. Grand Illusion (1937) and The Rules of the Game (1939) Luis BUNUEL
- e. Satyricon (1969) and Casanova (1976) Jean RENOIR
- f. Through a Glass Darkly (1960) and The Magic Flute (1975) Federico FELLINI
- Ingmar BERGMAN

B-13. [30] Identify the scientist on a 30-20-10 basis.

30: Truly gifted as both an experimentalist and a theorist, by measuring the distance that slips of paper flew from his hand, he made a first order approximation regarding the power generated by the Alamogordo atomic bomb test. His estimate was confirmed as accurate a few months later by Los Alamos.

20: His outstanding contributions to physics include the theory of beta decay and the free electron theory of metals.

10: He won the 1938 Nobel Prize in Physics for producing the transuranic elements through neutron irradiation. He built the world's first fission reactor in 1942.

Enrico FERMI

B-14. [30] Identify these possibly related historical figures FTP each.

a. An actress noted for her beauty, she was the wife of Justinian I.

THEODORA

b. He defeated and murdered Odoacer in AD 493 after which he set up an Italian kingdom that he ruled with justice and toleration.

THEODORIC the Great

c. An important opponent of Arianism, in AD 388 he invaded Italy, defeated the usurper Maximus and restored Valentian II to power. Becoming Emperor himself four years later, upon his death the Roman Empire was divided between his sons Arcadius and Honorius.

THEODOSIUS I, the Great

B-15. [30] Name the American philosopher FTP each.

a. He gave a series of lectures on pragmatism at the Lowell Institute and later Columbia University that was published as Pragmatism (1907) and The Meaning of Truth (1909).

William JAMES

b. He outlined his aesthetic theory in The Sense of Beauty (1896) and his materialistic view of nature in the 5 volume Phases of Human Progress (1905-1906).

George SANTAYANA

c. In such works as Beyond Freedom and Dignity (1971) he applies his behaviorist theories to argue that autonomy and free will do not exist.

B.F. SKINNER

B-16. [30] It's time to play the name game. Combined the titles of two literary works to create a tangled phrase. Each part is worth 5 points.

Note: It may be necessary to ignore articles at the beginning of a title.

a. A poem by Walt Whitman in which the poet walks on the beach in the moonlight and hears the mourning song of a bird and a short story by D.H. Lawrence in which a boy rides himself to death on a demonic toy.

OUT OF THE CRADLE ENDLESSLY ROCKING-HORSE WINNER

b. A novel featuring Eustacia Vye and the novel with Bigger Thomas.

The RETURN OF THE NATIVE SON

c. The first novel in Marcel Proust's A Remembrance of Things Past and a comedy by William Congreve.

SWANN'S WAY OF THE WORLD

B-17. [30] Name the American explorer on a 10-5 basis.

10: En route to Washington, he was found dead in 1809 at a Tennessee inn, either by murder or suicide.

5: A governor of the Louisiana Territory, he led an expedition west with William Clark.

Meriwether LEWIS

10: His Report of the Exploring Expedition to the Rocky Mountains (1843) which he wrote with his wife Jessie was widely read.

5: In 1856, he ran for President on the Republican anti-slavery platform.

From 1878 to 1883, he was the territorial governor of Arizona.

John C. FREMONT

10: He was a guide for exploring parties and led the Fremont expeditions of 1842, 1843, and 1845.

5: He played an important role in the conquest of California during the Mexican War and fought in New Mexico during the Civil War rising to the rank of Brigadier General.

Kit CARSON

B-18. [30] Arrange the following quantities in order of size from smallest to largest FFP each and a five point bonus for all correct: tangent of Pi over 3 radians, the natural log of 2, seven factorial over eight factorial, the golden ratio, and the first perfect number. You have 30 seconds.
7!/8! (=0.125), ln 2 (=0.693...), GOLDEN RATIO (=1.618...), tan Pi/3 (=1.732...), PERFECT NUMBER (=6)

B-19. [30] 30-20-10 Name the American writer.

30: In return for his campaign life of Abraham Lincoln, he was awarded a consulship in Venice where he spent the Civil War. He wrote "Poems of Two Friends" at about the same time.

20: President of the American Academy of Arts and Letters, his A Hazard of New Fortunes and A Traveler from Altruria are studies in American social institutions.

10: This writer for the Atlantic Monthly and Harper's illustrates his theory of realistic fiction in A Modern Instance and The Rise of Silas Lapham.

William Dean HOWELLS

B-20. [30] Name the country from a list of nations that border it FTP each.

a. Bangladesh, China, India, Laos, and Thailand

BURMA

b. Afghanistan, Iran, Khazakstan, and Uzbekistan

TURKMENISTAN

c. Namibia, Zaire, Zambia

ANGOLA