

Playoff Round 2

Questions by Robert Trent

TOSSUP 1 (Geography)

Much of the island is marshy due to the rivers like the Musi and the Kampar. The northernmost town is Banda Aceh, while the southernmost and easternmost is Telukbetung on the (*) Sunda Strait. Separated from Malaysia by the Strait of Malacca, this island is the largest island controlled exclusively by Indonesia. FTP, name this sixth largest island in the world.

ANSWER: Sumatra

TOSSUP 2 (History)

In 1864, he defeated Union forces at New Market, Virginia. In February 1865, he was named the Confederate Secretary of War. (*) From 1857-1861, he served as James Buchanan's Vice-President. FTP, name this Southern Democratic nominee for President in the 1860 election.

ANSWER: John Cabell Breckenridge

TOSSUP 3 (Literature)

They are "Continuous as the stars that shine and twinkle on the Milky Way; they stretched in a never-ending line along the margin of a bay." (*) The author saw "ten thousand at a glance" while he "wandered lonely as a cloud." FTP, what are these golden flowers described by William Wordsworth?

ANSWER: The Daffodils

TOSSUP 4 (Science)

One requirement for this property is that unpaired electrons lock onto one another to form domains. This creates a polarization when in contact with a (*) magnetic field. The domain forms its own magnetic field. This property occurs in three pure elements: nickel, cobalt, and iron. FTP, name this kind of magnetism.

ANSWER: ferromagnetism (prompt on 'magnetism')

TOSSUP 5 (Current Events)

His spokesman Dan Schnur said that this candidate would discuss his non-vote on campaign finance reform and that he would enjoy being present at the post-Thanksgiving debate (*) in Tempe with (except for George W. Bush) other Republican candidates. FTP, identify this Arizona senator.

ANSWER: John McCain

TOSSUP 6 (Philosophy)

This man is depicted as singing "The Song of Yes" and "The Ass Festival." A book is composed of his discourses and a prologue in which he speaks "Great star! What would your happiness be, if you had not those for whom you shine!" (*) The book of which he is the central speaker is a "book for everyone and no one." FTP, name this prophet who thus spake in a Nietzsche work.

ANSWER: Zarathustra

TOSSUP 7 (History)

After reading texts by Liang A-fa, he returned to the Hakka people in Kwangsi. In 1851, he moved from the West River to capture Yung-an. (*) There, he took the name "Heavenly King of the Great Peace," since he claimed to be the younger brother of Jesus Christ. FTP, name this leader of the great Rebellion in Ching China in the mid 1800's, whose adopted name also identifies the rebellion.

ANSWER: Tien Wang Taiping or Hung Hsiu-ch'uan

TOSSUP 8 (Literature)

After the "Song of Chaos," it is drawn by Shauwa, as Natella Abashwili waits for her chance for the child Michael within it. Grusha refuses to pull (*) on the child although the judge Azdak knows that Grusha has raised Michael in Nuka. Finally, the child is restored to Grusha in this Bertolt Brecht play. FTP, name it.

ANSWER: The Caucasian Chalk Circle or Der kaukasische Kreidekreis

TOSSUP 9 (Science)

This pigment can be augmented by consumption of Vitamin A. When the pigment absorbs light, it changes shape within the rods (*) and transmits the light to the fovea. It is formed by the combination of the carotenoid retinal and another pigment. FTP, name this pigment, sometimes called 'visual purple.'

ANSWER: rhodopsin (accept 'visual purple' before it is mentioned)

TOSSUP 10 (Pop Culture)

This hit song was re-recorded by the original artists on their album ...*In the 21st Century*. Although the single version does not appear on the album *Rhythm of Youth*, it does (*) appear as a dance mix, in which Ivan spells it out before telling us that we can dance if we want to; we can leave our friends behind. FTP, what is this classic '80s hit by Men Without Hats?

ANSWER: The Safety Dance

TOSSUP 11 (Fine Arts)

In the center left, a man scribbles notes on a podium. Below him is a woman hiding her face, while the central man with his glasses in hand turns from the table (*) while the Jefferson Medical Students continue working on the patient. FTP name this 1875 painting whose title refers to the name of the location and is not a commentary on its cleanliness, a work by Thomas Eakins.

ANSWER: The Gross Clinic

TOSSUP 12 (History)

In the year after this battle, the Treaty of Limerick was signed, effectively cementing William III's power (*) over the Jacobites in Britain and Ireland. In July 1690, James II's Catholic forces gathered here to combat the forces of the Glorious Revolution. FTP, what is this battle fought along a small river northwest of Dublin?

ANSWER: Battle of the Boyne

TOSSUP 13 (Literature)

He is recognized and accepted by Judith Gardiner. His strange tale is confirmed by Peter Vanderdonk, who had (*) catalogued tales of Henry Hudson's crew playing ninepins in the Catskills where the title man had gone to shoot squirrels some twenty years before. FTP, name this sleeping man from a tale by Washington Irving.

ANSWER: Rip Van Winkle

TOSSUP 14 (Science)

When this molecule is spiked with potassium ions, it appears to allow electricity to flow with no resistance. Although found in nature after lightning strikes, it was first formed in 1985 (*) by applying a laser to graphite. In this way, three Rice scientists -- Kroto, Smalley, and Curl-- discovered this molecule. FTP, what is this form of carbon featuring 60 atoms in a geodesic dome?

ANSWER: buckminsterfullerene or buckyball

TOSSUP 15 (Social Science)

It is the mid, lax, unrounded vowel. It is often deleted in unstressed syllables. (*) It can be written with any vowel, as it can be in the first syllables of "upon," "connect," and "parade." FTP, name this vowel sound depicted by an inverted lower-case "e".

ANSWER: schwa

TOSSUP 16 (Religion/Myth)

After her husband Elimelech dies, she goes to her son Chilion and his wife Orpah. (*) Soon, she goes to the house of her son Mahlon. After he dies, she accompanies her Moabite daughter-in-law to Bethlehem. FTP, name this mother-in-law of Ruth.

ANSWER: Naomi

TOSSUP 17 (Fine Arts)

This 1905 orchestral work is a dialogue of Scherzo and Allegro through binary oppositions--sunrise and midday (*) or an Impressionistic dance between wind and water. The second part of the triptych is called "The Play of the Waves." FTP, name this piece by Claude Debussy.

ANSWER: La Mer or the Sea

TOSSUP 18 (Literature)

After he went to the north and saw land of the Ainu around 1680, he composed a prose poem on the "Unreal Dwelling of Kokubu." (*) He may be best recalled for *The Narrow Road of Oku*, which detail his travels through both eloquent prose and many *haikai no renga*. FTP, name this Japanese master of the haiku form.

ANSWER: Matsuo Basho

TOSSUP 19 (Science)

Its emission and temperature can be calculated by the formula $T = (\hbar c^3 / (8 \pi G k m))$. Its rate of emission is proportional to the inverse square of the mass (*) of the singularity. It purportedly results from the creation of virtual particles near the event horizon. FTP, what is this type of radiation seemingly emitted from a black hole, proposed by a British astrophysicist?

ANSWER: Hawking radiation

TOSSUP 20 (History)

While in exile in London in 1837, he began writing such tracts as *The Pope in the Nineteenth Century* and *The Duties of Man*, both of which showed his Republican ideas. (*) In 1849, he was a leader in the Roman Republic; thus, he refused to participate in the monarchy of Victor Emmanuel II. FTP, name this founder of Young Italy and great figure of the Risorgimento.

ANSWER: Giuseppe Mazzini

TOSSUP 21 (Current Events)

Recently his Prime Minister Abdur-Ra'uf Rawabdeh persuaded him to release 25 Hamas prisoners but to deport several of them to Qatar. (*) This action was the most crucial since his February accession to the Hashemite throne. FTP, name this king of Jordan, the successor to King Hussein.

ANSWER: Abdullah II

TOSSUP 22 (Social Science)

Her doctoral dissertation was *The Concept of the Guardian Spirit in North America*, which examined various Native American cultures. Her 1945 book *Race* prefigured the (*) Civil Rights movement. FTP, name this American anthropologist, who argued that the entirety of a culture be examined in *Patterns of Culture*.

ANSWER: Ruth Benedict

TOSSUP 23 (Pop Culture)

It was originally part of the 1964 World's Fair and is solar powered. It put Brockway and North Haverbrook on the map, and its adoption was suggested by a Mr. Lanly. (*) This method of transportation had its own song, and was operated by Homer J. Simpson. FTP, what is this transport on a track from *The Simpsons*?

ANSWER: Springfield Monorail

Playoff Round 2 by Robert Trent

BONUS 1 (Science)

Identify these terms from genetics FTP each.

A) This is the capacity of a gene to affect a number of different characteristics. It usually reveals itself when a mutation in the single gene causes multiple effects.

ANSWER: pleiotropy

B) This refers to having only one of each type of chromosome. It occurs in the gametophyte stage of plants.

ANSWER: haploid

C) This is a general term for a single unit of a nucleic acid composed of phosphate, a five-carbon sugar, and a purine or pyrimidine.

ANSWER: nucleotide base

BONUS 2 (Pop Culture-Sports)

Wayne Gretzky recently was inducted into the Hockey Hall of Fame without the usual 3-year wait. Given a year on induction, name the hockey star who also didn't have to wait for entry FTP each.

A) 1997

ANSWER: Mario Lemieux

B) 1961

ANSWER: Maurice Richard [ree-SHARD]

C) 1947 (the first so honored)

ANSWER: Aubrey Clapper

BONUS 3 (Fine Arts)

Name these characters from Beethoven's opera *Fidelio* FTP each.

A) This woman poses as Fidelio to find her imprisoned husband.

ANSWER: Leonore Or Leonora

B) This man is Leonore's husband, imprisoned cruelly for years.

ANSWER: Florestan

C) This man is the warden of the prison, who employs Rocco to keep Florestan's captivity secret.

ANSWER: Don Pizarro

BONUS 4 (History)

Identify these things that helped lead to the successful Norman Invasion of England in 1066 FTP each.

A) In 1051, this man temporarily banished Harold & his father and supposedly promised the English throne to the Duke of Normandy.

ANSWER: Edward the Confessor

B) This brother of King Harold of England sided with Harald III of Norway in their unsuccessful invasion of England in 1066.

ANSWER: Earl Tostig

C) Tostig was killed, and the Norwegian invasion was repelled at this 1066 battle near York which left Harold's forces weakened before Hastings.

ANSWER: Stamford Bridge

BONUS 5 (Literature)

Given a brief synopsis, name the short story by William Faulkner FTP each.

A) Miss Grierson is perhaps courted to death by Homer Barron.

ANSWER: A Rose for Emily

B) Ike McCaslin revisits the sins of slavery while hunting Old Ben.

ANSWER: The Bear

C) 30 years after the end of the Civil War, Sartoris Snopes despises his father Ab's pyromania to vent his rage at the de Spain family.

ANSWER: Barn Burning

BONUS 6 (Science)

Does Chemistry sometimes seem all Greek to you? Name these chemical things with a Greek connection, FTP each.

A) This particle is given off by some radioactive substances. It is the nucleus of a helium atom.

ANSWER: alpha particle

B) This is a bond formed by head-to-head overlap of two orbitals. The electron density is along a straight line, and a cross section is nearly circular.

ANSWER: sigma bond

C) This upper-case letter represents the combined partial pressures of a gas in Dalton's law.

ANSWER: pi

BONUS 7 (Religion/Myth)

Name these doomed children of King David of Israel FTP each.

A) This beloved daughter of David is raped by her eldest brother.

ANSWER: Tamar

B) This eldest son of David was killed for raping Tamar.

ANSWER: Amnon

C) This son killed Amnon, and eventually rebelled before being killed in the forest of Ephraim.

ANSWER: Absalom

BONUS 8 (Social Science)

Identify these early stages in the development of a child's cognitive development FTP each.

A) Jean Piaget postulated that this schema (or stage) was the first that children go through.

ANSWER: sensorimotor

B) Jacques Lacan said that a child recognizes itself from others in this stage in which children will also recognize their own image.

ANSWER: mirror stage

C) "Morality as individual survival" best explains this psychologist's first stage of moral development in girls.

ANSWER: Carol Gilligan

BONUS 9 (History)

Identify the following about the American annexation of Hawai'i FTP each.

A) In what year did the US officially annex Hawai'i?

ANSWER: 1898

B) He became first president of the Republic of Hawai'i in 1894 and supported annexation.

ANSWER: Sanford Dole

C) In 1891, this Hawai'ian nationalist and songwriter succeeded Kalakaua as the last monarch of the Kingdom of Hawai'i.

ANSWER: Lili'uokalani

BONUS 10 (Literature)

Identify these 19th century Latin American poets from works for 15 points each or from other clues FTP each.

A) [15] *Versos Sencillos* (*Plain Verses*)

[10] That collection contains "Guantanamo," which he obviously wrote before his 1895 death fighting for a free Cuba.

ANSWER: José Julian Martí

B) [15] *Azul* (*Blue*) and *Profane Proses*

[10] Those collections by this Nicaraguan heralded the beginning of *modernismo*.

ANSWER: Rubén Darío or Félix Rubén García Sarmiento

BONUS 11 (Science)

Identify these people who examined the possibility that matter has both wave and particle-like qualities FTSNOP.

A) [10] In 1924, this French physicist suggested that material particles can behave as waves and that their wavelength (λ) multiplied the linear momentum p of the particle would equal Planck's constant.

ANSWER: Louis-Victor de Broglie

B) [10] This pioneer of quantum mechanics coined the term "complementarity" to describe the principle of wave-particle duality. It was later refined to say that in general, all matter propagates in the manner of waves and interacts in the manner of particles.

ANSWER: Niels Bohr

C) [5 each] In 1927, using a crystal of nickel, these two American physicists diffracted a beam of monoenergetic electrons and proved that the wavelength of the waves is related to the momentum of the electrons by the Broglie equation.

ANSWER: Clinton Davisson and Lester Germer

BONUS 12 (Current Events)

Identify the following about the recent Chinese unmanned space launch FTP each.

A) The craft that landed safely in Mongolia was named this.

ANSWER: Shenzhou [shen-JOE] or Vessel of the Gods

B) The rocket launch vehicle that was used is named after this 1934-35 journey led by Mao.

ANSWER: Long March or Chang Zheng

C) China next wants to have a manned flight, but they have chosen a name other than cosmonaut or astronaut. What will the Chinese space explorers purportedly be called?

ANSWER: Taikonauts or Taikong ren

BONUS 13 (Geography)

Name these geographical features of the nation of Kenya FTP each.

A) This port on the Indian Ocean is the largest city along the coast.

ANSWER: Mombasa

B) This lake in the northwest to the west of the Chalbi Desert touches the border of Ethiopia.

ANSWER: Lake Turkana or Lake Rudolf

C) This feature is often also called Kirinyaga.

ANSWER: Mount Kenya

BONUS 14 (History)

Identify these emperors of Rome from a description FTP each.

A) Born in Spain, he conquered Dacia and had the first bridge built over the Danube. He reigned from AD 98-117 and was succeeded by Hadrian.

ANSWER: Trajan (Marcus Ulpius Trajanus)

B) He was the son of Septimus Severus and wore a Gallic tunic, which was the origin of his nickname. Despite being noted for the cruelty of his reign, he pacified the German frontier and extended citizenship. He was murdered by Macrinus in AD 217.

ANSWER: Caracalla (Marcus Aurelius Antoninus)

C) After supplanting Gordian III in AD 244, this Arab was emperor during the 1000th anniversary of Rome's founding. He forged peace with Persia.

ANSWER: Philip (Marcus Julius Philippus)

BONUS 15 (Literature)

Identify the following plays with similar themes FTPE.

A) In this Henrik Ibsen play, Gregers Werle (VAIR-lee) attempts to convince Hjalmar (HYALL-mar) Ekdal that his daughter Hedvig is illegitimate. Although it is true, when Hjalmar is finally convinced, his happiness is destroyed and his family shattered.

ANSWER: The Wild Duck or Vildanden

B) In this 1902 work set in a flophouse, the thief Satin and the wanderer Luka debate the question of whether it is better to live without illusions or to shield oneself from the pain of life by fabricating a more romantic, less bitter view of the world.

ANSWER: The Lower Depths or Na dne by Maxim Gorky (Anatoly Peshkov)

C) Theodore Hickman, the closest thing to a title character of this 1939 work, attempts to convince the derelicts at Harry Hope's bar to abandon their pipe dreams and get on with the world. The conclusion expresses the playwright's view that it is possible to maintain at least a glimmer of hope by clinging to one's illusions.

ANSWER: The Iceman Cometh by Eugene O'Neill

BONUS 16 (Science)

Given the formula and a bit of info about structure, name the organic compound FTSNOP.

A) For 5 -- C₄H₁₀ ; all single carbon-carbon bonds.

ANSWER: butane

B) For 10 -- C₄H₆ ; with a carbon-carbon triple bond.

ANSWER: butyne

C) For 5 -- C₄H₈ ; with one carbon-carbon double bond.

ANSWER: butene

D) For 10 -- C₄H₆ ; with two carbon-carbon double bonds.

ANSWER: butadiene

BONUS 17 (Fine Arts)

Identify the English architects of these buildings, on a 15-5 basis.

A) [15] Sheldonian Theatre, Oxford, c. 1660

[5] St. Paul's Cathedral, London, after the Great Fire of 1666

ANSWER: Sir Christopher Wren

B) [15] Queen's House, Greenwich, 1619-35

[5] Whitehall Palace, 1619-22

ANSWER: Inigo Jones

BONUS 18 (Myth)

Identify the following about Hercules' second labor FTPE.

A) Hercules' second labor brought him to Lerna to kill this monster.

ANSWER: Hydra

B) Hera sent this crab to help the Hydra

ANSWER: Cancer

C) Hercules defeated the Hydra with the help of this nephew

ANSWER: Iolaus

BONUS 19 (History)

Name these emperors of India FTP each.

A) In 305 BCE, he defeated the forces of Seleucus I; he founded the Maurya dynasty.

ANSWER: Chandragupta Maurya

B) In 1526, his forces defeated the sultan of Delhi; he ruled as first Mogul emperor until 1530.

ANSWER: Babur or Babar

C) After his bloody conquest of Kalinga, he renounced armed conquest in favor of a Buddhist "conquest by dharma." Before his death c. 238 BC, he had histories and laws codified and carved in cliff rock, onto pillars, and in caves.

ANSWER: Ashoka

BONUS 20 (Literature)

Name these metrical feet of two syllables from English verse FTP each:

A) It is two stressed syllables in succession

ANSWER: spondee or spondaic

B) It is one stressed syllable followed by an unstressed syllable

ANSWER: trochee or trochaic

C) It is two unstressed syllables followed by a stressed syllable

ANSWER: anapestic

BONUS 21 (Pop Culture-Sports)

Answer the following questions about the fictional Dr. Kay Scarpetta FTP each.

A) She was created by this author.

ANSWER: Patricia Cornwell

B) This FBI captain is, in effect, her "sidekick."

ANSWER: Pete Marino

C) This city is Scarpetta's usual home base.

ANSWER: Richmond, Virginia

BONUS 22 (Current Events)

Politics *does* make strange bedfellows! Identify these things about disparate candidates running in the Reform Party in 2000 FTP each.

A) This author of *Right From the Beginning* and *A Republic Not an Empire* seeks the Reform Party's presidential nomination.

ANSWER: Pat Buchanan

B) John Hagelin of this party (which advocates massive tax cuts and virulently opposes genetic engineering) has also declared his candidacy for the Reform's nomination.

ANSWER: Natural Law Party

C) Although she ran for President on the New Alliance ticket in 1992, some think she may be Buchanan's VP candidate.

ANSWER: Leonore Fulani

BONUS 23 (Social Science)

Name the authors of these seminal works of 20th century feminism FTSNOP.

A) For 5 -- *The Second Sex*

ANSWER: Simone de Beauvoir

B) For 5 -- *The Feminine Mystique*

ANSWER: Betty Friedan

C) For 10 -- *The Female Eunuch*

ANSWER: Germaine Greer

D) For 10 -- *Sexual Politics*

ANSWER: Kate Millet

BONUS 24 (Fine Arts)

FTP each, name the European painters of these paintings featuring ancient Greeks.

A) *The Apotheosis of Homer* (1827)

ANSWER: Jean-Auguste-Dominique Ingres [AHN-gruh]

B) *The School of Athens* (1510-11)

ANSWER: Raphael or Raffaello Sanzio

C) *Aristotle Contemplating a Bust of Homer* (1653)

ANSWER: Rembrandt van Rijn