

Academic Jihad's Packet for Tennessee Masters '96

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1. Elected to the Estates General in 1789 as a member of the Third Estate, he introduced the motion to transform the Third Estate into the National Assembly. He later voted for the execution of Louis XVI and won a seat on the Directory in 1799. However, he concluded that the Directory was not a feasible form of government, so helped engineer the coup d'état of 18 Brumaire, and along with Napoleon Bonaparte and Pierre-Roger Ducos, became one of the original three consuls the next day. FTP, identify this former canon of Chartres who wrote the revolutionary 1789 pamphlet "What Is the Third Estate?"

Answer: Emmanuel-Joseph (Abbe) Sieyes

2. The son of Deidamia, he was brought to Troy by Odysseus as one of the multiple requirements for the Greek's victory, and the pair later rescued another key to victory, Philoctetes. Odysseus uses tales of him to reconcile the unhappy Achilles to the dreariness of the after-life. After the war, he married Hermione, the daughter of Menelaus and Helen, but was killed at Delphi by Orestes. FTP name this Greek warrior, who killed Priam during the sack of Troy, and was the son of Achilles.

Answer: Neoptolemus (or Pyrrhus)

3. He was extremely interested in his own virility, and thus underwent a surgical process of injecting monkey hormones into his testicles. His other interests were just as perverse, ranging from Rosicrucianism to hermeticism to the theosophy of Madame Blavatsky, whom he met in London. His conception of history as a "widening gyre" is recounted in the prose work A Vision. FTP name this poet, known for "Long-Legged Fly," "Lapis Lazuli," "Leda and the Swan," and "Sailing to Byzantium."

Answer: William Butler Yeats

4. It is a moderate-size protein composed of two chains linked by sulfide bonds with a total of 51 amino acids. Two milligrams are produced daily from a larger prohormone molecule in specialized beta, or B, cells after which it enters the bloodstream via the portal vein of the liver. FTP, name this hormone produced in the islets of Langerhans and discovered by Banting and Best.

Answer: insulin

5. Based on a tale by Giovanni Verga, it is the story of Turridu Macca, a returning bersagliere who finds that his sweetheart, Lola, has married Alfio a local teamster. To spite Lola, Turridu romances Santa, the girl who lives across the street. When Alfio leaves, Turridu begins to see Lola. Santa then tells Alfio of Turridu's pursuit of Lola. Alfio and Turridu end the opera by fighting a climactic duel in which both are killed. FTP, name this 1890 opera by Mascagni.

Answer: Cavalleria Rusticana or Rustic Chivalry

6. With fellow socialist Jean Jaures he founded the newspaper "L'Humanite" and actively tried to avert World War I. Eleven times the French premier, he also served as foreign minister from 1925 to 1932. In this capacity he worked with the American secretary of state towards an agreement, signed by 15 nations on August 27, 1928, which sought to renounce "war as an instrument of national policy. FTP, name this Frenchman.

Answer: Aristide BRIAND (Do not accept "Kellogg" or "Kellogg-Briand pact")

7. Ruled predominantly by the Shona since the 1000's AD, it is situated between the Zambezi and Limpopo rivers. Mining rights were granted to the British in 1888, leading to eventual British control of the region. A member of the short-lived Central African Federation, its white minority government refused to relinquish their power, and in 1965 issued a unilateral declaration of independence from Great Britain. FTP, name this nation that changed its capital's name from Salisbury to Harare.

Answer: Zimbabwe, Rhodesia, or Southern Rhodesia

8. It is actually a generic name for a group of hydrous potassium-aluminum silicate minerals. Only six are common rock-formers including lepidolite, biotite and the most common, muscovite. The basic unit of structure is two attached polymerized layers of silica tetrahedrons, which are only loosely bound to their neighbors. This allows the alternating thin sheets to be easily peeled off the surrounding rock, giving the mineral its distinctive property. FTP, name the mineral.

Answer: mica

9. It contains allusions to pop culture--such as the Plastic-Man comics, the Fu Manchu chronicles, and King Kong--as well as a vast amount of scientific data dealing with statistics, thermodynamics, and operant conditioning. Its themes can be traced to Rilke's Duino Elegies, expressed metaphorically through the extinction of the dodo bird and the transmutation of coal tar. In it, Roger Mexico and Ned Pointsman struggle to uncover how German rocket targets are predicted unfailingly by the erections of Tyrone Slothrop. FTP name Thomas Pynchon's masterpiece.

Answer: Gravity's Rainbow

10. In the several years prior to this event, speculators in Western lands were so active that it spawned the phrase "doing a land-office business". To rein in the speculators, it was announced that only hard currency would be accepted for the purchase of government land. This, combined with the government's decision to disburse the Federal Government's budget surplus to the states by withdrawing money from the "pet" banks, caused a rash of banks and other businesses to fail, plunging the US into a five year depression, its worst up to that time. FTP, what was the name given to this depression which the Whigs successfully blamed on the Jackson and Van Buren administrations.

Answer: Panic of 1837

11. After becoming caliph, he became involved in a conflict with a faction led by Muawiyah, the governor of Syria, and Aisha, the widow of Mohammed. He defeated them, but civil strife escalated and he was assassinated in 661. FTP, name this man, husband of Mohammed's daughter Fatima and the fourth and last legitimate caliph according to the Shiites.

Answer: Ali ibn Abi Talib

12. The original plan was to rob this town's First National Bank, but the gang was foiled by a timed lock, and they shot up the town instead. Bill Chadwell and Clell Miller died during the escape. Charlie Pitts was killed a few weeks later and the Youngers were captured by a posse. FTP, name the Minnesota town which the James gang unsuccessfully tried to hold up in 1876, and which today is the home of St. Olaf and Carleton Colleges.

Answer: Northfield, Minnesota

13. They are predicted to have crystalline crusts and superfluid, superconducting cores, and are central to many energetic astrophysical processes. Formed in supernovas, the presence of a companion star can provide the fuel for an X-ray binary systems. If they are magnetized and spinning, they form the class of objects known as pulsars. Despite this, they are typically only thirty miles across despite being more massive than the Sun. FTP, name this type of star.

Answer: neutron star (Note: If "pulsar" is given before it is mentioned in the question, accept it)

14. After the Revolutionary War, this American became involved in several attempts by the French to recapture the Louisiana territory from Spain. He also was one of the first people to theorize that the large mounds in the Ohio and Mississippi Valleys were built by the ancestors of the Indians who lived there. He is probably best-known as an Indian fighter in the Old Northwest. FTP, name this brother of a famous explorer who led colonial forces to capture the Vincennes in the Revolutionary War.

Answer: George Rogers Clark

15. Born near Bordeaux, France, he studied law at Toulouse and became a counselor in the parlement of Bordeaux. In 1571, he retired to his chateau to write, but later served for 4 years as mayor of Bordeaux. His friendship with Etienne de La Boetie is memorialized in his "Of Friendship". FTP, name this French author who introduced a new genre to literature with his "Essays".

Answer: Michel Eyquem de Montaigne

16. We can tell that the time is 7 PM by the clock in the upper left hand corner, and by the gas lamp, which provides the only source of light. Five figures sit at a table, with the woman on the right pouring four cups of coffee. A small crucifix near the clock seems to connect this peasant meal to Christian ritual. FTP name this 1885 painting now hanging in Amsterdam at the Vincent Van Gogh Museum.

Answer: The Potato Eaters

17. At the end of his life, he was appointed the Swedish Ambassador to France by Queen Christina. He had also received a pension from Louis XIII. Earlier in his life he had been the historian of the United Provinces and the advocate-general of the Fisc of Holland and Zeeland. He is probably best known for his writings, including Mare Liberum which called for freedom of the seas. FTP, name this Dutch author of the first book of international law, The Law of War and Peace.

Answer: Hugo Grotius (or Huig van Groot)

18. The biblical city of Sela, this city 95 miles southeast of Jerusalem was an Edomite stronghold. By the fourth century BC, it had become the capital of the Nabataeans and dominated trade routes from India and southern Arabia. Conquered by Trajan, the city gradually declined as the trade routes moved elsewhere. Abandoned and forgotten, it was only rediscovered by Johann Burckhardt in 1812. It is called the "rose-red city" because many buildings are carved directly into the surrounding reddish sandstone cliffs. FTP, name this city whose most famous building, the Al-Khasnah, was used as the Temple of the Grail in the movie "Indiana Jones & the Last Crusade".

Answer: Petra

(Note to reader: You will probably want to look through this question beforehand - especially the stuff in quotes. I've written the symbols out the way they should be read out loud).

19. As originally stated it says: "To every omega-consistent recursive class kappa of formulae there correspond recursive class-signs r , such that neither ' $\text{nu Gen } r$ ' nor ' $\text{Neg of nu Gen } r$ ' belongs to FLG of kappa, where nu is the free variable of r ." Appearing in a paper called "On Formally Undecidable Propositions in 'Principia Mathematica' and Related Systems," it showed that any formal system of thought will contains statements that cannot be proved. FTP, name this 1931 theorem.

Answer: Godel's INCOMPLETENESS theorem (Accept: GODEL'S theorem)

20. It has a capital city and 53 other towns, all built on the same pattern, with identical dwellings to which all have free access. Everyone wears the same clothes, except for a useful, though minor, sartorial distinction between married women and spinsters. All citizens work a six hour day, rising at 4 AM and turning in at 8PM. This is a brief description of a fictional island community created in 1516. FTP give the name of this place--literally translating as "nowhere"--created by Sir Thomas More.

Answer: Utopia

21. All his adult life this American writer fancied himself as an elderly eighteenth-century English gentleman. He is best known for his supernatural stories concerning fictional New England locations including the coastal town of Kingsport, the village of Dunwich, and Miskatonic University. FTP, name this author of *At the Mountains of Madness*, *The Shadow Over Innsmouth*, and stories in "Weird Tales" that made him the premiere horror writer of the 1920s and 1930s.

Answer: H.P. (Howard Philips) Lovecraft

22. The director makes a brief appearance as the sadistic weasel who slices the nostril of the main character. A throwback to film noir, the story follows the death of the honest water commissioner Hollis Mulwray and a complicated scheme to incorporate the San Fernando Valley into LA. FTP identify this Roman Polanski film, a prequel to *The Two Jakes*, in which Jack Nicholson plays the lowly "bedroom dick" Jake Gittes.

Answer: Chinatown

23. A British stockbroker leaves his family, and decides to paint. He moves to Paris, Marseilles, and then Tahiti, where his painting reaches its zenith while his life reaches its nadir. FTP, name this W. Somerset Maugham work about Charles Strickland, and is based on the life of Paul Gauguin.

Answer: The Moon and Sixpence

24. Born in Liege, Belgium, he was touring as a piano virtuoso by age 11. He attended the Paris Conservatory, but eventually settled down in 1858 as the organist for the Church of Sainte-Clotilde, a post he held for the rest of his life. Most of his best works, including his lone symphony, in D Minor, were composed in the last 10 years of his life. FTP, name this Belgian-French composer of such works as the choral works "Ruth" and "The Beatitudes", the symphonic poem "The Accursed Hunter", and the 1885 "Variations symphoniques".

Answer: Cesar Auguste Franck

25. This character may best be remembered for the ridiculousness of his yellow stockings. In contrast to his foil--the clown Feste--he is a social climber, and thus falls prey to the schemes of Maria, Sir Andrew Aguecheek, and Sir Toby Belch. FTP name this steward of Olivia in Shakespeare's *Twelfth Night*.

Answer: Malvolio

26. Martin Seligman, one of the discoverers of this effect, believes it is linked to the development of some depressions. In one demonstration, two groups of dogs received shocks. While one set could stop the shock by pushing a button, the other had no control over the situation. Later, when both groups were exposed to a situation where they could act to help themselves, the first group showed no effects from the earlier training while the second merely resigned themselves to the shocks. FTP, name this psychological effect.

Answer: LEARNED HELPLESSNESS (generously accept equivalents)

Academic Jihad Bonuses

1. How much do you know about assault and battery in the U.S. Senate? Answer the following questions for the stated number of points.

a. 5 points - The South Carolina representative who assaulted a Massachusetts Senator with a cane on May 22, 1856.

Answer: Preston Smith Brooks

b. 10 points - The Massachusetts Senator who did not return to the Senate for three years after being beaten by Brooks.

Answer: Charles Sumner

c. 15 points - The South Carolina Senator, who Sumner compared to Don Quixote paying vows to his mistress: "the harlot, Slavery." This speech spurred Brooks' attack.

Answer: Andrew P. Butler

2. For the stated number of points, identify the authors of these Jacobean "tragedies":

5: The Spanish Tragedy

Answer: Thomas Kyd

5: The Revenger's Tragedy

Answer: Cyril Tourneur (accept Thomas

Middleton--there is some debate about this play's authorship)

10: The Maid's Tragedy

Answer: John Fletcher

10: The Atheist's Tragedy

Answer: Cyril Tourneur

3. Answer the following related questions about the simplest element, hydrogen.

a. (5) Name the series of spectral lines which result from transitions down to the $n=2$ level of hydrogen.

Answer: Balmer series ✓

b. (10) In electron volts, and to the nearest tenth, how much energy is needed to ionize a hydrogen atom.

Answer: 13.6 eV ✗

c. (10) To the nearest nanometer, what is the wavelength of Lyman alpha, the transition from the $n=2$ to $n=1$ state of hydrogen.

Answer: 122 nm ✗

d. (5) What is the technical name given to the simple hydrogen atom made of one proton and one electron?

Answer: protium ✗

4. For the state number of points, identify the following concerning Islam

a. (5) What name is given to the person who calls the faithful to prayer from a rooftop or minaret.

Answer: muezzin

b. (10) Name the Muslim mystical, philosophical, and literary movement which dates from the 10th century and stresses personal communication with Allah.

Answer: Sufism

c. (15) The spoken traditions attributed to Muhammed are a major source of religious law and moral guidance. Name this compilation, whose name translates roughly as "story."

Answer: Hadith or Hadit

5. Three words nearly guaranteed to strike fear in the hearts of academic competitors - "geography from hell". Identify these obscure geographic features for the stated number of points.

a. FTP, this southernmost point of Baja California is occasionally mentioned on the Weather Channel as a reference point for the positions of Pacific hurricanes.

Answer: Cabo (or Cape) San Lucas ✗

b. FTP, this arm of the Arctic Ocean is bordered on the east by Novaya Zemlya, on the north by Svalbard and Franz Josef Land, and on the south by Norway, Russia, and the White Sea.

Answer: Barents Sea ✗

c. India controls two main island chains in the eastern end of the Bay of Bengal, stretching roughly from Myanmar to Sumatra. FFPE, name these two island chains.

Answer: Andaman Islands and Nicobar Islands

6. Answer the following questions about the Red Baron for the stated number of points.
- a. 5 points - The protege of Manfred von Richthofen who commanded the Luftwaffe in World War II.
Answer: Hermann Goering
 - b. 10 points - The English author who Richthofen's sister Frieda married.
Answer: D.H. Lawrence
 - c. 15 points - The Canadian Captain who is credited with shooting down Richthofen.
Answer: Roy Brown

7. Identify the following terms from electromagnetism for ten points each.
- a. (10) This type of radiation is emitted during atomic collisions. Its name is German for "braking radiation."
Answer: bremsstrahlung
 - b. (10) This radiation is emitted by highly relativistic electrons travelling in a magnetic field. It is highly beamed and is seen in particle accelerators.
Answer: synchrotron radiation
 - c. (10) If electrons move slowly compared to the velocity of light, they radiate in a characteristic pattern highly peaked at the orbiting frequency. Name this type of radiation, produced, for instance, by radio antennas.
Answer: electric dipole radiation

8. For the stated number of points identify these French series of novels:
- 5: Among the best known of this Balzac series are Les Chouans, Eugenie Grandet, and La Pere Goriot.
Answer: La Comedie humaine (accept The Human Comedy)
 - 10: This Zola series includes L'Asommoir, Nana, and Germinal.
Answer: Les Rougon-Macquart
 - 15: This series written by Roger Martin du Gard traces the lives of two brothers against the backdrop of World War I.
Answer: Les Thibaults (accept The World of the Thibaults)

9. FFP each identify the following John Wayne films given the role he played.
- a. Ethan Edwards
Answer: The Searchers X
 - b. Thomas Dunson
Answer: Red River X
 - c. Sean Thornton
Answer: The Quiet Man ✓
 - d. Sergeant Stryker
Answer: The Sands of Iwo Jima ✓
 - e. Lt. Col. Benjamin Vandervoort
Answer: The Longest Day X
 - f. Rooster Cogburn's 1st appearance
Answer: True Grit ✓

10. Given the circumstances of his death, identify the English king who kicked the bucket, FTPE.
- a. Murdered in Berkeley Castle, Gloucestershire, by disembowelment with a red hot iron after being deposed by his queen, Isabella, and her lover Roger Mortimer.
Answer: Edward II X
 - b. Killed, possibly murdered, by an arrow while hunting in the New Forest, Hampshire. He was refused a church funeral because of his shabby treatment of the clergy, including St. Anselm.
Answer: William II X
 - c. Stabbed to death while praying in the Tower of London, after having been deposed for the second time in a decade.
Answer: Henry VI X

11. FTP each identify the following centaurs of Greek mythology:
- a. A son of Chronos and Philyra, he was the king of the Thessalian centaurs. Accidentally wounded by one of Heracles' arrows, he gave up his immortality to Prometheus in order to escape his own agony.
Answer: Chiron ✓
 - b. This centaur was responsible for the death of Heracles; he gave the hero's wife a poisoned tunic, smeared in his own blood and the venom of the hydra.
Answer: Nessus ✓
 - c. During the Caledonian boar hunt, two centaurs attempt unsuccessfully to rape Atalanta. Name either of them.
Answer: Hylaeus or Rhaecus

12. Identify the following jazz musicians for the stated number of points.

- a. (5) Probably the leading trumpeter in jazz history, his recordings with the Hot Five and the Hot Seven codified the vocabulary of the jazz soloist.

Answer: Louis Armstrong

- b. (10) This bandleader and singer became known as the "King of Hi-De-Ho" for his scat singing of songs such as "Minnie the Moocher."

Answer: Cabell "Cab" Calloway

- c. (15) This pianist, with his own group the Solar Arkestra, staged multimedia concerts featuring such elements as bebop, gospel, and microtonal melodies while drawing from themes of Egyptian mythology and science fiction.

Answer: Sun Ra or Herman "Sonny" Blount

13. Various types of wind occur repetitively enough that they are given their own names. Identify the following winds for the stated number of points.

- a. (5) Warm, humid wind originating over north Africa and blowing over the Mediterranean.

Answer: sirocco ✓

- b. (5) Warm, dry wind which shares its name with a type of salmon and blows down the slopes of the eastern Rockies, primarily during the winter.

Answer: chinook

- c. (10) A form of the chinook wind occurs on nearly all mountain ranges. What German name is given to this type of wind, which was first studied in the Alps.

Answer: foehn

- d. (10) A strong, cold, north wind that blows onto the Adriatic. It can reach 60 mph and its name derives from the Latin for "northwind."

Answer: bora

14. FTP each identify the following Platonic dialogues:

- a. An Athenian mathematician has been mortally wounded in the Corinthian War and recalls a conversation he had with Socrates on the nature of knowledge.

Answer: Theaetetus ✗

- b. As Socrates awaits his trial, he has this dialogue--a conversation about piety.

Answer: Euthyphro ✗

- c. In this dialogue, a disciple of Socrates describes the last hour of his teacher's life, and Socrates discusses the possibility of the immortality of the soul.

Answer: Phaedo

15. Given a first line of a work of literature, give the book for ten points. If you need the author, you get five points.

- A) 10 pt. clue - "Last summer I happened to be crossing the plains of Iowa in a season of intense heat, and it was my good fortune to have for a traveling companion James Quayle Burden - Jim Burden, as we still call him in the West."

5 pt. clue - Willa Cather

Answer: My Antonia

- B) 10 pt. clue - "Whether I shall turn out to be the hero of my own life, or whether that station will be held by anybody else, these pages must show."

5 pt. clue - Charles Dickens

Answer: David Copperfield

- C) 10 point clue - "Early one evening, during an exceptional heat wave in the beginning of July, a young man walked out into the street from the closetlike room he rented on Stoliarny Place."

5 point clue - Fyodor Dostoyevsky

Answer: Crime and Punishment

16. (30) Given a building, give the architect for ten points each.

- A) The Houses of Parliament

Answer: Sir Charles Barry OR A. Welby Pugin ✗

- B) The Brandenburg Gate

Answer: Karl Langhans ✗

- C) Lake Shore Drive Apartment Houses

Answer: Ludwig Mies Van Der Rohe

17. Answer the following questions about World War II islands for ten points apiece.

A) The island fortress that General Jonathan Wainwright surrendered on May 6, 1942.

Answer: Corregidor

B) The Solomon island that U.S. troops invaded in August 1942. It was the first American offensive in the Pacific.

Answer: Guadalcanal

C) The fall of this island in the Marianas was considered by the Japanese to be the turning point of the war. Japanese Admiral Chuichi Nagumo was killed during the defense of this island from June to July 1944.

Answer: Saipan

18. Identify the authors of these economics works for 10 pts. each.

a. "Legal Foundations of Capitalism"

ANS. John R. Commons

b. "Principles of Economics", 1890

ANS. Alfred Marshall

c. "The Road to Serfdom", 1944

ANS. Friedrich August von Hayek

19. Answer the following related biology questions for the stated number of points.

a. (5) What invertebrate phylum is divided into the classes of marine worms, leeches, and earthworms.

Answer: Annelida or annelids (If "segmented worms" is said, ask for more specific)

b. (15) Annelids, like arthropods, possess a body cavity formed by the splitting of the embryonic mesodermal mass. What one-word scientific name is given to this cavity.

Answer: coelom

c. (10) Finally, for ten points if within 10% and 5 points if within 25%, all leeches have how many body segments.

Answer: 34 (5 pts for 25.5 - 42.5, 10 for 30.6 - 37.4)

20. Identify these ancient Greek battles from descriptions FTPE.

a. The final, decisive battle of the Peloponnesian War, this 405 BC sea battle saw the Spartan navy under Lysander sink all but eight of the 208 Athenian ships.

Answer: Aegospotami

b. Thebes, resisting Spartan attempts to install a pro-Spartan oligarchy, raised an army under Epaminondas and defeated the Spartans at this 371 BC battle near Plataea, forever damaging Sparta's military prestige.

Answer: Leuctra

c. Sparta sat out this 338 BC battle in which a combined Athenian and Theban force was crushed by Philip of Macedon, and all of Greece was forced to recognize Philip as its de facto ruler.

Answer: Chaeronea

21. FTP each identify these early rebellions of American history:

a. Jamestown was burned in this 1676 rebellion against the establishment of Sir William Berkeley.

Answer: Bacon's Rebellion

b. This 1689-91 rebellion was led by a local militia captain who proclaimed himself governor of New York upon the abdication of King James II.

Answer: Leisler's Rebellion

c. In 1763 a few Pennsylvania frontiersmen led this march to Philadelphia to protest the colonial assembly's unwillingness to help in the defense of Indian attacks.

Answer: Paxton Boys Uprising