

ISU Fall Tourney
Round 13

1) Although its author believed it a significant breakthrough stating, "Insight such as this falls to one's lot but once in a lifetime," it took eight years to sell the first 600 copies published in 1900. It declared "a return from the over-estimation of the property of consciousness," asserting that consciousness was just "a sense-organ for the perception of psychic qualities." The main thesis proposed the importance of wish-fulfillment, especially of a sexual nature, and distinguished between latent and manifest content. FTP name this work about a certain state of unconsciousness, written by Sigmund Freud.

Answer: The Interpretation of Dreams.

2) Inspired by Meso-American platform architecture and Gothic vaults, it was begun in 1957 but not completed until 1972, by which time its designer had left the project. Built on Bennelong Point its structure symbolizes the flight of birds, as well as the sails of the tall ships that brought colonists. With 500 rooms and five large auditoriums it is an entire cultural center and the first performance held in it was Prokofiev's *War and Peace*. FTP name this building, designed by Joern Utzon, with two groups of shells rising from platforms, located in the harbor of Australia's largest city.

Answer: Sydney Opera House.

3) Begun by Ubayd Allah al-Mahdi, it was centered at Tunisia until 969 when it conquered Egypt and established its capital at Cairo. Reaching its height in the 1200s under al-Mustansir, it began to decline due to the increasing power given by the caliphs to their viziers, the encroachments of Normans, Venetians, and Turks, and finally the growing power of the Druze religion and the Assassin Sect. It was finally ended in 1171 by the great general Saladin. FTP name this Muslim dynasty, rival of the Abbasids, a Shiite group who believed they would be saved by a messiah descended from Ali and the daughter of Mohammed who gave the group its name.

Answer: Fatimids or Fatimid Empire.

4) They are gray, with a short, blunt snout, and no fins markings as adults. Males average seven feet and 280 pounds while females go to 11.5 feet and 500 pounds. One was hooked in Illinois while others have been spotted thousands of miles up the Amazon Basin and in Lake Nicaragua. They can dive to 500 feet, but prefer shallow, murky areas and are thus a danger to humans swimming near by. It was probably this species and not a Great White that was responsible for the 1916 shark attacks in Matawan New Jersey that inspired *Jaws*. FTP name this dangerous shark that can survive for extended periods of time in fresh water.

Answer: Bull Shark or Carcharhinus leucas.

5) Although Europeans had been there since the 1630s, it wasn't thoroughly explored until a 1679 expedition led by Daniel Greysolon Sier Duchut. From 1869-70 it was the fastest growing city in the country because Jay Cooke planned it to be the terminus for his northern railroad line before he went bust in the crash of 1873. It is sometimes called "The Finnish Riviera," and city landmarks include Canal Park and Ariel Lift Bridge. Although its population is only 86,000 it is still economically powerful with its proximity to the Mesabi Iron Range, and the country's largest inland port. FTP name this Minnesota City across from Superior, Wisconsin located on Lake Superior.

Answer: Duluth.

6) The last one ended with the removal of Billy Bowlegs and his family to the west. The first one began over the issue of sanctuary for slaves and its climax was reached after the defeat of Bowlegs by Andrew Jackson at Old Town. The 2nd, and most famous one, began in 1835 when the U.S. military arrived to enforce the Treaty of Payne's Landing and would end up costing the United States \$20 million. The most dramatic battle came early on when chiefs Micanopy and Alligator ambushed Major Francis Dade near Fort King. FTP name these guerilla wars fought in the swamps of Florida between the U.S and the Indian tribe briefly led by Osceola.

Answer: Seminole Wars.

7) Embryonic stem cells are treated with a targeting construct, and the cells which take up the construct through homologous recombination are selected for. These selected cells are then inserted into a

developing embryo of a different coat color to produce a chimera. The chimera is then mated and coat color is used to locate a heterozygote. Heterozygotes are mated to produce homozygotes. FTP, this is a rough procedure for making what type of mouse that has had a gene's function removed?

Answer: Knockout Mouse.

8) She played a feminist lesbian who tries to seduce Kristy Swanson in *Higher Learning* and a murdered local woman in *Mulholland Falls*. She has also appeared in *Far Harbor*, *Dark City*, and *Inventing the Abbotts*, and is scheduled to star in both *House of Sand and Fog* and as Betty Ross opposite Eric Bana in *The Hulk*. She broke through in 1991 with her role in *The Rocketeer* and last year was nominated for a Best Supporting Actress Oscar. FTP name this actress who played Alicia Nash in *A Beautiful Mind*.

Answer: Jennifer Connelly.

9) The prologue ends with the request "Give me your ear, reader and you will enjoy yourself." The story is a form of Milesian tale, a compilation of stories and anecdotes; however these are intricately tied together as evidenced by the symmetry of the story of the kidnapped Charite and her lover Tlepolemus and the story of Cupid and Psyche told to the imprisoned Charite by an old woman. However, the fast pace narrative unravels in the eleventh and last book, an homage to Isis, who returned Lucius, the title character, to his human shape. FTP name this proto-novel by Apuleius.

Answer: The Golden Ass or Metamorphoses.

10) Otto of Freising claimed that he was descended from the Three Wise men and had inherited their land. His empire, which was sought for by Henry the Navigator, supposedly contained 42 Christian princes, as well as a land ruled by three women and defended by 100,000 amazons and pygmies. The most excitement he generated was from a copy of an 1165 letter from him addressed to the Byzantine Emperor and the French King concerning the recapture of the Holy Land from the Muslims. FTP name this legendary Preacher King whose kingdom was located somewhere in the Indies.

Answer: Prester John.

11) The July 15, 2002 issue of Physical Review Letters contained a proposal for using these in conjunction with carbon nanotubes with possible applications in quantum cryptography and computing. Current technology involving these particles includes an X-ray detector that is based on a Josephson junction. These composite bosons consists of two electrons related in momentum space in a ground state. FTP, name these pairs central to the current theory of superconductivity.

Answer: Cooper pairs

12) He worked as a schoolteacher in Stamford Connecticut and as a doctor in the Vendee region of France where he became mayor of Montmartre after Napoleon III's ouster. He was elected to the National Assembly as a Radical Republican in 1872 but fell out of politics after his implication in the Panama Canal Scandal. He returned as an avid supporter of Alfred Dreyfuss, joining the senate in 1902 and becoming premier in 1906, a post he held until 1909. He regained that position after appointment by president Raymond Poincare in 1917. FTP name this WWI leader who advocated for the punishment of Germany at Versailles, nicknamed "The Tiger."

Answer: Georges Clemenceau.

13) The original title page included the lines "For the Use and Profit of the Musical Youth Desirous of Learning as well as for the Pastime of those Already Skilled in this Study." It consisted of two books of twenty-four preludes and fugues in which the twelve major and minor keys are cycled through: Frederick Chopin new it all by heart. With catalog numbers BWV 846 through 893, FTP, name this set of harpsichord pieces designed as a keyboard instructional by J.S. Bach.

Answer: The Well-Tempered Clavier. (accept Das Wohltemperierte Klavier.) (accept Piano, Keyboard, etc. for Clavier)

14) It begins in the time of the British occupation of the early 20th century and ends in the 1950's. Characters include the family patriarch Ahmad Abd al-Jawad, his wife Amina, their daughters Aisha and Khadija, and their sons Fahmy, Yasin, and Kamal. The final book, *Sugar Street*, focuses on Ahmad's grandsons, one an active communist, one a fundamentalist, and the other a homosexual advancing his

political career by sleeping with a prominent man. FTP name this trilogy whose other books are *Palace Walk* and *Palace of Desire*, written by Naguib Mahfouz, and named for a large Egyptian City.

Answer: Cairo Trilogy.

15) The son of Haran and grandson of Terah, he accompanied his uncle on his journeys until a fight broke out between two of their herdsman after which they separated. Living in the Plain of Jordan he was captured by Chedorlaomer, king of Elam, but was rescued by his uncle and a band of servants. Later, he lived for Zoar, but soon became a hermit with his two daughters. These daughters, whose virginity he had been willing to give up a mob in order to protect two strangers, got him drunk and had sex with him so that his seed would not die. FTP name this nephew of Abraham, whose family was rescued from Sodom, save for his wife who looked back and was turned to a pillar of salt.

Answer: Lot.

16) He attended Corpus Christi College, Cambridge for six years studying for the ministry, but was almost denied his Master of Arts for fear he would defect to the Rheims, a hot-bed of Catholicism. Involved with many contemporary poets, he co-wrote *Dido, Queen of Carthage* with Thomas Nashe and his roommate Thomas Kyd charged him with atheism and treason after being tortured. In 1593 he was killed in a bar brawl in a dispute over the bill by Ingram Frizer who had links to Elizabeth's secret police. FTP name this play-write, author of *Edward II*, *The Jew of Malta*, and *Doctor Faustus*.

Answer: Christopher Marlowe.

17)

18) In the surge of anti-European feelings after Augustin Iturbide's victory in the War of Independence his tomb in the Cathedral of Mexico was raided and his bones barely saved from desecration. Some of his less successful adventures included an expedition to squash a rebellious subordinate in Honduras and an attempt to subjugate Lower California because Charles V would not give him the governorship of lands he had earlier conquered. Modeling himself on Alexander, several years after arriving in Haiti he got an opportunity to emulate him in 1519. FTP name this conquistador who overcame the Aztecs in 1521.

Answer: Hernando Cortes.

19) Working ceaselessly to help other writers before his premature death in 1943, he served as the editor of the Yale series of Younger Poets, and helped contemporaries like Steinbeck and Faulkner get elected to the National Institute of Arts and Letters. His work was distinctly American; he wrote poems about heroes like Thomas Jefferson and Daniel Boone, told of the settlement of America in *Western Star*, and invoked the American Muse in his Pulitzer Prize winning Civil War epic *John Brown's Body*. FTP name this writer best known for short stories like *By the Waters of Babylon*, and *The Devil and Daniel Webster*.

Answer: Stephen Vincent Benet.

20) He wrote in hexameters possibly because of the influence of his teacher Xenophanes. However his poetry more resembled Hesiod, as seen in *On Nature* which survives only in fragments. It was divided into two sections: The Way of Truth and the Way of Belief, the latter of which may contain a description of the Pythagorean cosmological system. The former bases its argument on the notion that there is something wrong with the idea of non-existence and ends with the conclusion that there is only the one, which is ungenerated, undivided, and unmoving. FTP name this founder of the Elean school, teacher of Zeno and intellectual opponent of Heraclitus.

Answer: Parmenides.

Bonus: Identify the women important in Irish mythology.

1. This beauty was betrothed to Conchobar, king of Ulster, but convinced Naise to elope with her; he agreed and, with his two brothers, took her to Britain. They later agreed to return but were treacherously captured by Conchobar who had the three brothers beheaded. Like any good mythological heroine she in

turn committed suicide.

Answer: Deidre.

2. This daughter of Heveydd the Ancient married Pwyll; at the birth of her first child the women assigned to watch it fell asleep and the child disappeared. The women then made it look as if she ate her own child and her penance was to stand outside the castle and volunteer to carry any passer-by inside. Years later a vassal brought in her son who had mysteriously appeared at his doorstep one night.

Answer: Rhiannon.

3. She was the daughter of the Dagda and goddess of fire, the hearth, and poetry. She married the Fomor Bress who was briefly king of the Tuatha de Danaan. She is often referred to as the Celtic Minerva and was co-opted by the Christians who made her a popular saint nicknamed "the May of the Gael."

Answer: Brigit or Bridgit.

Give the 19th century American poems from lines FTP or for five if you need the author.

1. (10) Thy hyacinth hair, thy classic face,/ Thy Naiad airs have brought me home/ To the glory that was Greece/ And the grandeur that was Rome.

(5) Edgar Allen Poe

Answer: To Helen.

2.(10) A line in long array where they wind betwixt green islands,/ They take a serpentine course, their arms flash in the sun--hark to the musical clank.

(5) Walt Whitman.

Answer: Cavalry Crossing a Ford.

3. (10) There are strange things done in the midnight sun/ By the men who toil for gold;/ The Arctic trails have their secret tales/ That would make your blood run cold.

(5) Robert Service

Answer: The Cremation of Sam McGee.

Bonus: Name these NFL quarterbacks who previously were backups to Brett Favre, 5-5-10-10.

1. (5) After playing in Green Bay in 1993 and 1994, this lefty was traded to Jacksonville before their inaugural season for two draft picks. Since his arrival there he's thrown for over 22,000 yards.

Answer: Mark Allen Brunell.

2. (5) He retired as a Packer in 1997, after previous stints with Arizona, Minnesota, Philadelphia, and San Diego, but you probably know him for leading Da Bears to their Super Bowl XX victory.

Answer: James Robert "Jim" McMahon.

3. (10) After the requisite two years with the Packers, this Brigham Young graduate started for Philadelphia and has made appearances with San Francisco, Cleveland, and now Detroit.

Answer: Ty Hubert Detmer.

4. (10) Favre's backup in 1999 and 2000, he was picked up by Seattle in 2001 and has vied with Trent Dilfer for the starting role.

Answer: Matt Hasselbeck.

Bonus: Answer questions about a classic of Late Medieval British literature, *Morte de Arthur*.

1. First, identify the author of *Morte D'Arthur* who probably wrote the work while imprisoned during the Wars of the Roses.

Answer: Sir Thomas Malory.

2. Second, this man, who printed the first book ever in English, *the French Romance, Recuyell of the*

Historyes of Troye, which he himself translated, printed *Morte D'Arthur* in 1485 after establishing the first printing press in England in 1476.

Answer: William Caxton.

3. Third, this poet also wrote a *Morte d'Arthur*, a roughly 300 line poem, in 1834. He later revised it, entitled it "The Passing of Arthur" and incorporated it into his *Idylls of the King*.

Answer: Alfred, Lord Tennyson.

Bonus: Identify the following Mexican Leaders prominent in the 1910s, FTPE.

1. He was president since 1876 when he overthrew Lerdo de Tejada after a disputed election until 1911 when he was overthrown by Francisco Madero after a disputed election. He was friend to foreign business and large landowners.

Answer: Porfirio Diaz.

2. This General of Madero overthrew and executed his superior in 1913. He became a cruel dictator opposed by many revolutionary generals backed by the United States. He was overthrown in 1914.

Answer: Victoriano Huerta.

3. He led a guerrilla army based in Chihuahua against Huerta but was beaten to the capital by Venustiano Carranza and Alvaro Obregon, and thus was kept from power in the post-Huerta government. He is best known by Americans for his raid on Columbus, New Mexico.

Answer: Pancho Villa.

4. Along with Pancho Villa he headed the rebellion against Huerta. He overthrew him and took control of the government leaving Villa out and making himself president in 1917. He himself was overthrown by subordinate Alvaro Obregon in 1920.

Answer: Venustiano Carranza.

Bonus: Identify the Roman stoic from clues FTPE.

1. This tutor and councilor of Nero was the first of the great Roman Stoics. He slit his veins after being indicted in the Piso Conspiracy. His dramas include *Phaedra* and *Thyestes*.

Answer: Lucius Annaeus Seneca the Younger.

2. A one time slave this Greek stoic was banished from Rome by the emperor Domitian in 94 A.D. His writings only survive in fragments and in a manual written by his student Arrian.

Answer: Epictetus.

3. He was Roman Emperor from 161-180 spending most of his time fighting barbarians on the frontiers. He was the author of *The Meditations* and was generally regarded as one of the best emperors despite his bad decision in making his son Commodus his successor.

Answer: Marcus Aurelius.

4. This 12 book work written by Roman Emperor Marcus Aurelius consists mainly of Stoic aphorisms such as "it is the privilege of a human being to love even those whose stumble."

Answer: Meditations.

Bonus: FTPE, answer the following about a certain stock character in European literature

1. His tradition probably began in Greek New Comedy but we first concretely see him in many Plautus plays such as *Pseudolus*. As Pyrgopolynieces he is the ridiculous title subject of another Plautus play and he also figures prominently in the musical *A Funny Thing Happened on the way to the Forum*.

Answer: Miles Gloriosus or The Braggart Warrior (accept equivalents)..

2. The Miles Gloriosus was a typical stock character in this form of Renaissance Italian Theater which went

on to influence Punch and Judy theater as well as sophisticates like Moliere and Gozzi.

Answer: Commedia dell'arte.

3. Many suggest that this Shakespeare character, denizen of Boor's Head Tavern and friend of Prince Hal, Pistol and Bardolph is a continuation of the Miles character. Lines such as "Embowelled? If thou embowel me today, I'll give you leave to powder me, and eat me too, tomorrow," lend credence to this.

Answer: Sir John Falstaff.

Bonus: Identify Alexander's generals who fought to gain control of his empire after his death.

1. Perhaps the most recognized of Alexander's successors, he became satrap of Egypt after its conquest in 323 B.C. He accompanied Alexander on his Indian campaign and returned to Egypt upon his death, which he held against all comers until his death in 284, establishing a dynasty that would rule there for 250 years.

Answer: Ptolemy I.

3. The original Diodochi, or successor, this man, Alexander's favorite after the death of Haphaestion, became regent for Alexander's son and mentally ill half-brother. He was killed by his own subordinates Seleucas and Antigenes while campaigning against Ptolemy in 320 B.C.

Answer: Perdiccas.

3. He commanded the phalanxes at Issus and Arbela, becoming Alexander's right hand man after Parmenion and Philotas were implicated in a conspiracy. He was supposed to be the partner of Perdiccas in the regency but was left out. He died in battle against Perdiccas's lieutenant Eumenes.

Answer: Craterus.

Bonus: Name the computer virus FTPE.

1. It erased computer hard drives every March 6, after wreaking more panic than destruction in 1992.

Answer: Michelangelo.

2. This Microsoft Word macro virus first came on the scene in 1999. When opened, it attempts to mail itself to 50 people from a Microsoft Outlook address book and changes the value of the registry key to "... by Kwyjibo".

Answer: Melissa.

3. The first virus which replicated itself on PCs, this boot sector virus marked portions of the disk as bad sectors. It supposedly was only written to track software piracy in Pakistan.

Answer: Brain. (accept Pakistani Brain)

Bonus: Answer questions about British progressivism in the 19th century.

1. First, what laws, first enacted in 1689 and designed to protect British landowners from foreign competition, were finally repealed in 1846 due to growing discontent from the middle class, especially around Manchester?

Answer: Corn Laws.

2. These acts, passed in 1832, 1867, and 1884 extended voting rights to more and more citizens as well as doing away with rotten boroughs and making the distribution in Parliament more representational.

Answer: Reform Acts.

3. Formed in 1838 by William Lovett, this group advocated for the payment of M.P's, "the abolition of the requirement that Members of Parliament be property owners" and most radically, enfranchising all adult males.

Answer: Chartist Movement or Chartists.

Bonus: Give the Robert A. Heinlein novels from characters FTPE

1. Michael Valentine Smith, Jubal Harnshaw
Answer: Stranger in a Strange Land.

2. Manny, Wyoming Knott, Professor Bernardo De La Paz, and Mike the sentient computer.
Answer: The Moon is a Harsh Mistress.

3. Johnny Rico, Drill-Sergeant Zimm, Carmen Ibanez
Answer: Starship Troopers.

Bonus: Answer these enzyme kinetics questions, FTPE.

1. Initial velocity equals V_{max} times the substrate concentration all over K_m [read 'K' 'm'] plus substrate concentration. Name this central equation of enzyme kinetics.

Answer: Michaelis-Menten Equation

2. This plot of reciprocals of initial velocity and substrate concentration allows V_{max} and K_m to be easily determined.

Answer: Lineweaver-Burk Plot

3. V_{max} divided by total enzyme is one way of determining this value equivalent to reaction processes per active site per unit time.

Answer: Turnover number or Catalytic Constant or K_{cat}

Bonus: Name the city from the university located there FFPE.

1. Rice University
Answer: Houston, Texas.

2. Yale University
Answer: New Haven., Connecticut .

3. McGill University
Answer: Montreal, Quebec.

4. Berklee College of Music
Answer: Boston, Massachusetts.

5. Arizona State University
Answer: Tempe, Arizona.

6. Viterbo University
Answer: La Crosse, Wisconsin.

Bonus: Answer questions about the United States military effort in the Gulf War FTPE.

1. This four-star general and head of CENTCOM commanded the coalition forces that defeated Iraqi forces in a massive flanking movement. He published his autobiography *It Doesn't take a Hero* shortly after his 1991 retirement from active service.

Answer: H. Norman Schwarzkopf.

2. On the far left this airborne division which had distinguished itself years ago in the Battle for Normandy established Forward Operations Base Cobra by a helicopter attack while to its right the 88th Airborne and 6th Light Armored Division pushed towards the al-Sarlam airfield.

Answer: 101st Airborne Division.

3. This three-star general in charge of logistics did an outstanding job in providing supplies for the armed forces in the Gulf. He is now the head of the Logistics Group at Sears, Roebuck and Co and author of the book *Moving Mountains: Lessons in Leadership and Logistics from the Gulf War.*

Answer: William "Gus" Pagonis.

Bonus: Answer the following questions about a new video game FTSNP.

1. (10) This video game boasts three new characters as well as many returning characters from each of the previous four games. The main goal of the game is to win The King of Iron Fist Tournament Four as well to pound the crap out of the other fighters. Name this video game released in fall of 2002 for the PS2.

Answer: Tekken Four

2. (10) Name the company that created Tekken Four.

Answer: Namco

3. (5/5) For five points each name any 2 of the 3 new fighters to appear in the game before any secret characters are unlocked.

Answer: Christie Monteiro, Steve Fox, Craig Marduk

Name the following terms related to ferromagnetism FTPE.

1. Magnetization curves for ferromagnets do not retrace themselves as the external magnetic field is increased then decreased. This property is very important for permanent magnets and magnetic recording media.

Answer: hysteresis

2. This term refers to groups of magnetic dipoles in a ferromagnet that all align in a specific direction.

Answer: domain

3. This is the temperature at which a ferromagnetic material becomes paramagnetic. For iron it is 768 degrees Celsius and for magnetite it is 585 degrees Celsius.

Answer: Curie point (or temperature or equivalents)

Bonus: Identify these people who died in 2001 FTPE.

1. A Mexican born actress, he won Oscars for *Viva Zapata* and *Lust for Life* but is best known for his portrayal of *Zorba the Greek*.

Answer: Anthony Quinn.

2. This South African surgeon performed the first successful heart transplant in 1967. He died in Sept 2001 at the age of 78.

Answer: Christian Barnard.

3. This creator of Dennis the Menace died of natural causes at age 81 on June 1, 2001.

Answer: Hank Ketchum.

Bonus: Name the Supreme Court cases involving education from clues, FTPE.

1. This 1943 case involving Jehovah's Witnesses which overturned *Minersville School District v Gobitis* acknowledged "the right of silence" and declared it unconstitutional for schools to force children to salute the flag if it violated their religious beliefs.

Answer: West Virginia Board of Education v. Barnette.

2. In this 1962 case the Court ruled that students have a “right to be free from religious oppression” in ruling a New York school’s mandatory morning prayer unconstitutional.

Answer: Engel v Vitele.

3. In this vague 1978 case the Court ruled that a clearly qualified medical student who had been denied in two previous applications to med school in favor of black applicants should be given admittance.

However, affirmative action was still constitutional unless rigid quotas became “reverse discrimination.”

Answer: University of California Regents v. Bakke.