

15 nov 2001
P4:1 10/14/01

Ebowla 2001
Carnegie Mellon University
Packet #4

TOSSUPS

1. Its deserts include the Betpaqdala [bet-PAK-dala] in the interior, the Baruski in the southwest, and the Muyunkum [MY-un-kum] in the south. Lake Balkash and the Tien Shan range are in the southeast, and rivers include the Syr Darya. Situated on the Caspian and Aral Seas, for 10 points, name this nation whose capital moved from Almaty to Astana.

Answer: Kazakhstan

2. It was organized around three advocacy groups, or sectors, though the military one was abolished in 1940 in favor of a "popular" sector. It acquired its present name in 1946, recognizing its thorough domination of government offices. Founded by Plutarco Calles, members have included Lazaro Cardenas, Carlos Salinas, and Ernesto Zedillo. For 10 points, name this Mexican party that ruled Mexico for nearly 70 years.

Answer: Partido Revolucionario Institucional or Institutional Revolutionary Party

3. Among his works are the childrens' books *The Tree of Here* and *The Sky of Now* and the nonfiction *Gates of November*, which follows a Jewish family through Soviet history. The son of Polish immigrants, he ordained a Conservative rabbi in 1954. For 10 points, name this author of *My Name is Asher Lev*, *Davita's Harp*, and *The Chosen*.

Answer: Chaim (Herman Harold) Potok

4. He served briefly as governor of St. Helena, but operated primarily as a merchant and sometime smuggler in the West Indies. His ship Rebecca was boarded by Spanish coast guards who supposedly pillaged it and maimed him. For 10 points, name this man who displayed his supposedly amputated ear to Parliament in 1738, precipitating his namesake war.

Answer: Robert Jenkins

5. Take a bar of pure platinum and heat it to 2042-Kelvin, its solidification temperature. Hold it at that temperature and place a 1.5-millimeter aperture next to the platinum bar. Measure the result, and you have the 1948 definition, equivalent to today's. Monochromatic radiation at 540×10^{12} Hertz in the direction of $1/630$ steradians is the modern definition of, for 10 points, this SI unit of luminous intensity.

Answer: candela

6. Among the more outrageous incidents is the lawsuit between two dogs over the theft of a piece of cheese. A young man attempts to reform his father Philocleon's addiction to jury duty by locking him in the house. He is so reformed, however, that he becomes as a youthful reveler, and becomes a defendant, thus keeping him involved in the courts. For 10 points, name this Aristophanes play in which the chorus is depicted as the title insects.

Answer: The Wasps (or Sphekes)

7. He used his court favor to gain special concessions for his family's timber dealings around Venice. A student of both Giorgione and Bellini, he was patronized by Charles V, for whom he painted several portraits, and

the Duke of Urbino, for whom he painted a famous "Venus." For 10 points, name this creator of "The Allegory of Marriage" and "Sacred and Profane Love."

Answer: Titian or Tiziano Vecellio

8. Most modern species are pentamerous and benthic. They first appeared in the Cambrian with eocrinoids, and the common Asterozoans appeared early in the Devonian. Their endoskeletons are actually a network of calcium carbonate known as a stereom, and most circulatory and motile functions are done through a water vascular system. For 10 points, name this "spiny-skinned" phylum including starfish and sea urchins.

Answer: echinoderms or echinodermata

9. Porphyry adapted it to an extreme spiritualism and used it to attack Christianity. Much of it proceeds from the notion of a hierarchy of existence, with successive levels of being existing everywhere for all time. At the top of the hierarchy was the "Good" and indescribable "One." For 10 points, name this final Greek school of philosophy founded by Plotinus.

Answer: neoplatonism

10. Upon moving to New York City, she became involved with Elijah Pierson and his Retrenchment Society. When she left in 1843, she adopted a new name and dictated her self-titled "Narrative", sales of which supported her work as a travelling speaker. She later worked for the Freedman's Bureau and became an advocate for women's suffrage. For 10 points, name this abolitionist, born as the slave Isabella.

Answer: Sojourner Truth (prompt on "Isabella" or "van Wagener")

11. They can't do to the Rolling Stones what they always do to Garth Brooks. They are the namesake of a 1985 TV movie starring Kenny Rogers as an over-the-hill rodeo champ who foils their sale by a corrupt government official. Today there are about 50,000 of them in several western states. For 10 points, name these feral animals commonly called mustangs.

Answer: Wild Horses

12. Some suggest that the third chapter is a later appendage, as the Dead Sea Scrolls do not comment on it. That chapter is actually a hymn, "set to the music of Shigionoth," which proclaims that God saves His people and destroys His enemies. Likely written around 600 BC, its main section is a dialogue between the titular prophet and God. For 10 points, name this Old Testament book that prophesizes the rise and fall of Chaldean rule over Judea.

Answer: Book of Habakkuk

13. Originally named Blyss, they signed a record deal with Dreamworks while they were still in high school. A standard rock trio, Rick Woolstenhulme plays drums, while Sergio Andrade plays bass and Jason Wade fronts with guitar. For 10 points, name this group whose debut album "No Name Face" created the hits "Slip Cycle Carousel" and "Hanging by a Moment."

Answer: Lifehouse

14. Useful applications include automated industrial controls, particularly for systems with poor measuring devices, and handwriting / voice recognition software. It requires large memory capabilities, and some programs have shown an adaptive capability. For 10 points, name this processing system that breaks most distinctions into probabilities.

Answer: fuzzy logic

15. Mildred Douglas is introduced in the second scene, dressed totally in white and arguing with her aunt about visiting the stokehole of their oceanliner. She is repulsed by what she sees, calling him "filthy beast." Robert

“Yank” Smith is disturbed by her criticism, and attempts to find some belonging in New York, on the streets and with the IWW. For 10 points, name this Eugene O’Neill play where Yank is finally killed by a gorilla he sets free.

Answer: The Hairy Ape

16. Its main point was that differences in intelligence lie at the root of most social problems. Stating that there may be differences between ethnic groups, the authors argued that one should not be prejudicial because of the title distribution. Subtitled “Intelligence and Class Structure in American Life,” for 10 points, name this work by Richard Herrnstein and Charles Murray.

Answer: The Bell Curve: Intelligence and Class Structure in American Life

17. Encouraged by actor Charles Macready, he spent nine years creating plays in verse. These were as poorly received as his early works like “Paracelus” and “Sordello.” He met his wife after she praised his work in correspondance, and he began to see some financial success with “Dramatis Personae.” For 10 points, name this British poet whose best-received work was “The Ring and the Book.”

Answer: Robert Browning

18. It was predicated by Lord Selkirk’s desire for a Scottish settlement in Manitoba. Under the direction of the Hudson Bay Company and Robert Semple, they formed the Red River Colony, upsetting the North West Company. Cuthbert Grant set out with 60 Métis and attacked the colonists, killing 20 and scattering the rest. For 10 points, name this event which sparked a merger between the Hudson Bay and North West Companies.

Answer: Seven Oaks Massacre

19. Midway through the premiere performance’s final act, the conductor stopped to announce that “here the Maestro laid down his pen.” Completed by Franco Alfano, the story includes the characters Ping, Pang, and Pong and three riddles that must be answered so as to wed the title character. For 10 points, name this final Puccini opera set in Imperial China.

Answer: Turandot

20. Most of its industrial use is in wood preservation and semiconductor production. Known since ancient times, it can be found as a free element, but is normally found as mispickel with iron and sulfur. Erosion leads to its presence in groundwater, and longterm exposure may be cancerous. For 10 points, name this element whose safe limit is still 50 parts per billion.

Answer: arsenic or As

BONI

1. It begins with the destruction of a plane over the English Channel and Gibreel Farishta and Saladin Chamcha's fall to earth. For 10 points each –

[10] Name this novel in which Gibreel and Saladin become symbolic of the struggle between Good and Evil, and Mahound receives the title object in a revelation.

Answer: The Satanic Verses

[10] Who wrote "The Satanic Verses"?

Answer: Salman Rushdie

[10] Though Rushdie was nominated for the Booker Prize in 1988 for "The Satanic Verses," he won it in 1981 for this novel.

Answer: Midnight's Children

2. Answer the following about some basic French cooking for the stated number of points.

[15] Popularly served cold, this potato and leek soup is mixed with cream and pureed.

Answer: vichyssoise [vee-shee-swah]

[15] A major basis for most French soups and stews is mirpoui [MEER-pwah], which is merely equal portions of these three "aromatic" vegetables.

Answer: carrot, onion, celery

3. Answer the following about ionic solutions for 10 points each.

[10] The equilibrium constant for the dissolution of an ionic compound in water is given this special name.

Answer: solubility product constant (prompt on "Ksp")

[10] When the ionic product of a solution exceeds the solubility product, this will process will occur until solution equilibrium is restored.

Answer: precipitation

[10] If a theoretical ionic compound M_2X is present as a 2-molar solution, what is the ionic product of the solution?

Answer: 32 ($4^2 * 2 = 32$)

4. Answer the following about American military aviation in World War I for 10 points each.

[10] Credited with 26 kills, he was the top American ace of the war. He wrote his story in "Fighting the Flying Circus."

Answer: Edward V. "Eddie" Rickenbacker

[10] An outspoken advocate of a separate air force, this brigadier general produced much of the air tactics used by the Expeditionary Force.

Answer: William Mitchell

[10] Most of the fighters the US used during the war were this French design.

Answer: SPAD (VII or XIII or XIV or XVI)

5. Given the jazz musician, name the instrument with which he is best known for the stated number of points.

[5] Miles Davis

Answer: trumpet

[10] Ornette Coleman

Answer: alto or tenor saxophone

[5] Thelonius Monk

Answer: piano

[10] Elvin Jones

Answer: drums

6. It's revisionist history time! Identify these historic figures, for 10 points each.

[10] He not only invented the Heimlich maneuver, but prevented the assassination of Jackie Kennedy.

Answer: Dr. Sam Beckett (accept first or last name)

[10] This pathetic boob accidentally destroyed the entire world when he got his hand stuck in a toaster, went back in time, and killed a mosquito.

Answer: Homer Simpson

[10] On "Voyagers!", he and his young friend Jeffrey Jones (played by Meeno Peluce!) stopped Billy the Kid from killing Teddy Roosevelt and rescued Cleopatra from Lucky Luciano.

Answer: Phineas Bogg

7. Identify these former British Prime Ministers for the stated number of points.

[5] He was Tony Blair's immediate predecessor.

Answer: John Major

[10] Serving from 1970-74, this Conservative secured British entry into the European Community.

Answer: Edward Heath

[5] He succeeded Churchill in the midst of the Potsdam Conference.

Answer: Clement Atlee

[10] He preceded Margaret Thatcher as PM from 1976-79.

Answer: James Callaghan

8. Identify the following about a particular star system for the stated number of points.

[5] With a visual magnitude of about -0.27, this is the closest star system to our own.
Answer: Alpha Centauri [DNA "Proxima Centauri"]

[5] Within half a light year, how close is Alpha Centauri?
Answer: 4.4 light years (accept 3.9 – 4.9)

[10] Alpha Centauri system is actually a trinary system comprised of the main sequence binary stars A and B, and this red dwarf, that orbits the binary with a million-year period.
Answer: Proxima Centauri (prompt on "C")

[10] Alpha Centauri A is remarkably like our sun. Both fit in this class.
Answer: G2

9. Identify the following works of Nathaniel Hawthorne from a list of characters for 10 points each.

[10] Matthew Maule, Hepzibah and Clifford Pyncheon
Answer: The House of the Seven Gables

[10] Ellen Langdon, Dr. Melmoth
Answer: Fanshawe

[10] Hester Prynne, Roger Chillingsworth
Answer: The Scarlet Letter

10. Name these women whose lives were screwed up by Agamemnon for 10 points each.

[10] His eldest daughter, he was supposed to sacrifice her to atone for equating his hunting skills with Artemis. Luckily, Artemis took her away to Tauris.
Answer: Iphigenia

[10] He took this girl from Achilles, who became pretty angry.
Answer: Briseis

[10] He took this daughter of Priam as a war prize, but failed to heed her warnings about returning home. Both were promptly killed on arrival.
Answer: Cassandra

11. Identify the following authors from works on a 15-10 basis.

[15] "Aunt Julia and the Scriptwriter" and "The War of the End of the World"

[10] "Conversation in the Cathedral" and "The Green House"
Answer: Mario Vargas Llosa

[15] "Toda Raba" and "The Last Temptation of Christ"

[10] "Zorba the Greek" and "The Odyssey: A Modern Sequel"
Answer: Nikos Kazantzakis

12. Identify the following non-English judicial terms. You will receive 5 for one, 10 for two, 20 for three, and 30 for all four.

[*] This French term is the oral examination a juror may undergo before trial.
Answer: voir dire

[*] This principle of "having the body" must be fulfilled for a legal arrest.
Answer: habeas corpus

[*] A superior court can issue this writ in order to examine the actions of a lower one.
Answer: certiorari

[*] Meaning "friend of the court," this is a legal brief filed by an interested party not directly involved in the suit.
Answer: amicus curiae

13. Answer the following about a controversial law for 10 points each.

[10] Name this 1998 law that prohibits the reverse engineering of computer software and the publication of the inner workings of such software.
Answer: Digital Millennium Copyright Act of 1998

[10] This Russian programmer was arrested in Las Vegas under the DMCA for publicly speaking about the poor security design in many commercial eBook solutions.
Answer: Dmitry Sklyarov

[10] Sklyarov was arrested at the recommendation of this American software company, whose Acrobat software enables controlled distribution of encrypted eBooks?
Answer: Adobe Systems, Inc.

14. It is the basic unit of myofibrils in voluntary muscle, and is divided into several bands based on the position of the filaments. Answer the following about it for 10 points each.

[10] First, name that basic unit of muscle tissue.
Answer: sarcomere

[10] The sliding of this protein filament over myosin causes contraction of the sarcomere.
Answer: actin

[10] Finally, this dark membrane separates adjacent sarcomeres and anchors the actin filaments.
Answer: Z-line or Z-band

15. It took its name from a painting by Kandinsky, who also co-edited the group's namesake journal. Answer the following about this art movement for 10 points each.

[10] First, name this expressionist group.
Answer: Der Blaue Reiter or The Blue Rider

[10] This painter of numerous animal studies was the other co-founder of Der Blaue Reiter.
Answer: Franz Marc

[10] Finally, this Swiss painter joined the group and adapted its ideas to cubism.
Answer: Paul Klee

16. Identify the following elements of voodoo practice for 15 points each.

[15] Most voodoo rituals center around these divine entities, which are often modeled after African deities or Catholic saints. They are sometimes divided into the benevolent, or Rada, and the malevolent, or Petro.

Answer: loas

[15] Either a disembodied soul used for magic or a reanimated body, they are the subject of much fear and curiosity.

Answer: zombi

17. Identify the following American inventors for 5 points each and a 5 point bonus for all correct.

[5] cotton gin

Answer: Eli Whitney

[5] lock-stitch sewing machine

Answer: Elias Howe

[5] ballpoint pen

Answer: John Loud

[5] revolver

Answer: Samuel Colt

[5] dry plate photography

Answer: George Eastman

18. Answer the following about the Greco-Persian Wars for the stated number of points.

[5] Persian attacks on the Greek homeland were predicated by these uprisings.

Answer: Ionian Revolt

[5] The first major engagement, 10,000 Athenians repulsed a superior Persian army without the help of Sparta.

Answer: Marathon

[10] Commander of the Greek army at Marathon, he waited for the Persian cavalry to go elsewhere before attacking.

Answer: Miltiades

[10] Xerxes' armies were finally removed from Greece in this 479 BC battle.

Answer: Plataea

19. It is seen in a perfect pendulum or spring system. For 10 points each, name –

[10] This type of oscillation of a body about a point whose resistance is directly proportional to its displacement from the reference.

Answer: simple harmonic motion

[10] If there is some sort of external force like friction on a harmonic oscillator, it is called this.

Answer: damped harmonic motion

[10] Close to the resonance frequency, this is the frequency at which a system will oscillate without an external driving force.

Answer: natural frequency

20. Identify the following works of Asian literature from a brief description for 15 points each. If you need the author, you will receive 5.

[15] Also known as "Story of the Stone," this episodic novel follows the decline of the Chia family and Pao-yu, the obstinate heir.

[5] Ts'ao Chan

Answer: Dream of the Red Chamber (or Hung Lou Meng)

[15] Set in the imperial court, it chronicles the life and accomplishments of the title prince, along with the numerous women he woos.

[5] Murasaki Shikibu

Answer: Tale of Genji (or Genji monogatari)