

2002 Martin Luther King Jr. Memorial Tournament  
University of Michigan/Duke University  
Tossups by Ati Tislerics and Notre Dame (Chris Hammer)

1. In humans, this organ is described as hemochorial; in other mammals it may be hemoendothelial or epitheliochorial. Among its specialized tissues are Nitabuch's membrane and Rohr's stria; numerous projections called villi contain many capillaries. One of its functions is as an endocrine gland, producing hormones that maintain the endometrium throughout gestation. For 10 points - identify this temporary organ that provides a developing fetus with oxygen and nutrients.

Answer: placenta

2. This ballet premiered in 1942, although it included some music from the composer's earlier ballet, *Happiness*. A 1957 Bolshoi production purged most of the Stalinist excesses of the original. Its adagio was used in the score of *2001*, and the "Dance of the Young Girls" in Act 3 has been described as an American cowboy song with an Armenian twang. For 10 points - identify this ballet by Aram Khatchaturian, taking its title from its collective-farm heroine, best known for the rhythmically stirring "Sabre Dance".

Answer: Gayaneh

Accept: Gayane or Gayne

**BALCONES: bal-coh-naize**

3. This city is located at the edge of the Balcones Escarpment on the Colorado River, but not the one in Arizona. The seat of Travis County, it is the most populous city in the U.S. not to have a major professional sports team. The French Legation, built in 1841, and the Lyndon Baines Johnson library are among its landmarks. For 10 points - identify this state capital, whose residents in the governor's mansion have included James and Miriam Ferguson and Ann Richards.

Answer: Austin

**CALLICLES: cal-ih-CLEEZ**

4. The title character, who came to Athens in 427 BC from his native Leontini, wrote a treatise arguing that nothing exists and even if it does you can't know anything about it. Socrates argues against him that rhetoric is merely the knack of humoring the prejudices of an audience. Polus and Calicles challenge Socrates' views, leading to Socrates' extended plea for morality, rather than expediency, as the rule of life. For 10 points - identify this Platonic dialogue.

Answer: Gorgias

5. After graduating from Cornell, he worked for UPI and the Seattle Times before joining The New Yorker in 1927. With his wife, Katherine Sergeant Angell, he edited *A Subtreasury of American Humor* in 1941. He collaborated with James Thurber on *Is Sex Necessary?*, and in 1959 revised and published notes on writing by his former professor William Strunk. For 10 points - name this author, best known for his children's books *The Trumpet of the Swan*, *Stuart Little* and *Charlotte's Web*.

Answer: Elwyn Brooks [E.B.] White

6. After Ronald Reagan was shot in 1981, he borrowed a line from this boxer, who told his wife after being defeated for the heavyweight title, "Honey, I forgot to duck." He beat Jess Willard to win the heavyweight title in 1919 and in one title defense knocked Luis Angel Firpo out of the ring. Known as the Manassa Mauler from his Colorado hometown, for 10 points - name this fighter who lost his title to Gene Tunney in 1926 and lost a rematch in 1927.

Answer: Jack Dempsey

7. It was supplemented by the work of E.C. Tolman, who stipulated that there were such variables as reported mental states and differences in perception. The inclusion of so-called "private events" such as thinking, feeling, and choosing as subjects of study distinguished the "radical" version of B.F. Skinner. For 10 points - name this school of psychology pioneered by John Watson that posits that actions are conditioned responses to stimuli.

Answer: behaviorism

8. A founder of the Christian Democratic party, he was elected to the Constituent Assembly in 1946. In 1959 he became Secretary of the CDP and favored forming a coalition with the Socialists, which he did upon becoming Premier in 1963. He served as Premier in five separate governments from 1963-68 and 1974-76. For 10 points - identify this Italian politician, who was favored to become the next President when he was kidnapped and murdered in 1978 by members of the Red Brigades.

Answer: Aldo Moro

9. Discovered in 1880 by Pierre and Paul-Jacques Curie, this physical phenomenon has since been employed in such diverse products as bomb detonators, cigarette lighters, audio equipment, and highly accurate timepieces. It is defined as a voltage that appears between opposite faces of a crystal subjected to mechanical stress. For 10 points - identify this effect, the name of which means "pressure electricity".

Answer: piezoelectricity (or equivalents)

10. The central misunderstanding in this play is reportedly based on an actual incident from the playwright's youth. A subplot concerns the romantic pairing of Hastings and Miss Neville. Part of the action takes place in a tavern, the Three Jolly Pigeons, where Tony Lumpkin directs the hero to the inn next door, which is really a private residence. There he mistakes his intended bride for a servant-girl, and treats his future father-in-law Mr. Hardcastle as an innkeeper, but all ends well for Young Marlow. For 10 points - identify this comedy by Oliver Goldsmith.

Answer: She Stoops to Conquer, or The Mistakes of a Night

11. There are about 1.5 million speakers today, but only in the 1990s was it officially recognized as a "regional language". Among its several dialects, Gascon is the most distinct. In 1904, Frederic Mistral received a Nobel prize for his work in this Romance language, which has otherwise been little used for literature since the days of the troubadours. For 10 points - name this language that, although it is more closely related to Spanish, Italian and Catalan, is spoken primarily in southern France.

Answer: Occitan

Accept Provençal

Accept: Languedoc

12. He was the only god forbidden to cross Bifrost, for fear that he would set the bridge aflame by the heat of his presence. The father of Modi, Magni, Lorde and Thrud, he lived at Thruthheim, and his hall was Bilskirnir. He once pulled the Midgard serpent out of the ocean, but failed to kill it, and thus will fight it to the death at Ragnarok. For 10 points - identify this son of Jord and Odin, who dressed in drag to impersonate the goddess Freya in order to retrieve his mighty hammer from the giants.

Answer: Thor

13. It took place at a location code-named "Hot Rocks". The participants were Franklin Sousley, Mike Strank, "Doc" Bradley, Rene Gagnon, Harlon Block, who was officially misidentified for nearly two years, and Ira Hayes, an Indian who later died in poverty. Despite persistent rumors, it was not staged, but it was the second such event that occurred that day, February 23, 1945. Only three of the men who participated left the island alive. For 10 points - identify this event, immortalized on film by Joe Rosenthal.

Answer: flag raising on Mt. Suribachi, Iwo Jima (accept close equivalents that mention underlined terms)

14. Active in California politics and a friend of Attorney General Edwin Meese, he was appointed to the Supreme Court by President Ronald Reagan to succeed Lewis Powell. Some of his votes have angered conservatives, but despite David Souter's best efforts he voted with the majority in *Bush v Gore*. For 10 points - name this Justice, whose appointment was approved unanimously by the Senate in 1988, but only after Robert Bork and Douglas Ginsburg went down in flames.

Answer: Anthony Kennedy

15. He attributed the declining health that led to his 1941 death to a voodoo spell. He began his career playing ragtime piano in New Orleans brothels, and later spent more than a decade roaming the U.S., playing in nightclubs and working as a pool shark and vaudeville comic. He and his band, the Red Hot Peppers, gained widespread popularity in the 1920s with compositions such as "Dead Man Blues" and "King Porter Stomp." For 10 points - name this jazz pioneer with a gelatinous nickname.

Answer: Ferdinand "Jelly Roll" Morton

16. Those without a hydrogen on the alpha carbon undergo the Cannizzaro reaction when treated with a strong alkali, which yields an alcohol and a carboxylic acid salt. They can be produced by oxidation or catalytic dehydrogenation of primary alcohols. When reacted with Tollen's reagent, they produce a precipitate of metallic silver on the inside of the reaction vessel. For 10 points - identify this class of organic compounds containing a carbonyl group attached to at least one hydrogen atom, the simplest of which has the formula  $\text{HCHO}$ .

Answer: aldehydes

17. Roman resistance to an Eastern queen prevented him from marrying Berenice, sister of Herod Agrippa II. His short reign as Emperor was marked by the eruption of Vesuvius as well as a plague and great fire in Rome, but his beneficence to the victims of these disasters made him popular with the Roman people. For 10 points - name this Roman emperor, whose reign saw the completion of the Colosseum but who is more associated with another Roman landmark commemorating his conquest of Jerusalem in 70.

Answer: Titus Flavius Sabinus Vespasianus Augustus

18. He was employed by the Guinness brewery, which required him to publish his discoveries under a pseudonym. Thus his real name, William Sealy Gosset, is considerably less well known than his discovery, a method for testing hypotheses about the mean of a sample when the population standard deviation is unknown. For 10 points - give the scholarly pseudonym associated with this statistical test.

Answer: Student

Accept: William Sealy Gosset early

Hsia: **SHAH**

19. The latter part of it is also known as the Yin dynasty. Its kings are believed to have had several capitals in succession, with Anyang becoming the permanent capital around 1384 BC. Known for outstanding bronzework and jade carvings, it ruled the North China Plain from the 18<sup>th</sup> to the 11<sup>th</sup> Century BC. Preceded by the quasi-legendary Hsia, for 10 points - identify this first Chinese dynasty for which reliable archaeological evidence exists.

Answer: Shang

20. An alcoholic reporter, Peter Fallow, broke the story for the tabloid *City Lights*. The story was exploited by the Reverend Bacon by playing on the racial aspects of the case. It is unclear throughout what exactly the victim, Henry Lamb was doing on the night in question. Concerning the life of a New York stockbroker, the main plot is a legal drama concerning Sherman McCoy's running over of Lamb one night in the Bronx. For 10 points - identify this novel, the first work of fiction by Tom Wolfe.

Answer: The Bonfire of the Vanities

Prompt on: Sherman or McCoy early

21. Alejandro de la Peña of Mexico will hold this organization's rotating Executive Directorship in Headquarters in Singapore, it includes eleven working groups in areas such as Energy, Fisheries, Human Resources Development, and Trade Promotion. For 10 points - identify this organization whose most recently added members were Russia, Peru, and Vietnam, founded to advance economic dynamism and sense of community in its namesake region.

Answer: Asia-Pacific Economic Cooperation forum

Accept: APEC

**LESTRINGEZ:** luh-stran-ZHAY

**SAMARY:** sa-mah-REE

22. At the rear, Paul Lhote and Eugene Lestringez flirt with Jeanne Samary. The son and daughter of the proprietor look on from the periphery, with a red-and-white awning visible above their heads. A still life of bottles and fruit occupies the center, and in the left foreground, the artist's future wife adores a small dog. For 10 points - identify this painting of a scene on the balcony of the Maison Fournaise, depicted by Pierre Renoir.

Answer: Dejeuner des Canotiers

English: Luncheon of the Boating Party

23. At the age of nine, she is reputed to have mastered Latin in only twenty lessons. Refused admission to the university in Mexico City, in 1669 she entered a convent to devote her life to learning. In her *Reply to Sister Philotea*, she defended her desire for knowledge. Her poems "The First Dream" and "Foolish Men Who Accuse" brought her fame; *Flood From the Muses' Springs* and two later volumes of her works were printed in Spain. For 10 points - name this poet, playwright and defender of women's rights, called "Mexico's Tenth Muse".

Answer: Sor Juana Inés de la Cruz

Accept: Juana Inés de Asbaje y Ramírez

24. This phrase is attributed to Walton Rodger and widely linked to the British Conservative politician Nicholas Ridley. It explains those who attempt to exclude themselves from the negative consequences of policies which they generally support. If a person advocates the building of a new airport but not near enough to him that he would have to deal with increased noise or traffic he can be described by, for 10 points - what five-word phrase or its acronym?

Answer: NIMBY

Answer: "Not in my back yard"

25. He joined the British navy at the age of 13 and served on James Cook's second and third voyages. In 1791, he embarked on the voyage for which he is best known, sailing via Australia to western North America. There, he verified that no direct connection existed between Hudson Bay and the Pacific Ocean. For 10 points - name this explorer who surveyed the Pacific coast of North America for three years, and in the process became the first European to circumnavigate the island now bearing his name.

Answer: George Vancouver

26. During World War II he became interested in medical problems associated with flying. In fact, he died in a plane crash in Newfoundland in 1941. He is better known for the work that won him a Nobel Prize in 1923. Previous researchers were stymied when the enzyme trypsin destroyed the hormone they were studying. For 10 points - identify this researcher who conducted an experiment in which the pancreatic ducts were obstructed, causing trypsin-secreting cells to die but leaving the islets of Langerhans intact, thus isolating insulin.

Answer: Sir Frederick Grant Banting



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Bonuses by Ati Tislerics and Notre Dame (Chris Hammer)

1. Identify the following bodies of water in the vicinity of Indonesia, for 10 points each.

A. (10) This sea lies between the Northern Territory of Australia and the southwestern coast of New Guinea; the Gulf of Carpentaria is an inlet of it.

Answer: Arafura Sea

B. (10) This sea lies between the northeastern end of Borneo and the Philippine islands of Palawan, Panay, Negros, and Mindanao.

Answer: Sulu Sea

C. (10) This strait between Java and Sumatra contains what is left of Krakatoa.

Answer: Sunda Strait

2. In August 2001, a group of physicists, after observing the spectra of quasars, announced that one of the fundamental physical constants may have been smaller billions of years ago. For the stated number of points:

A. (5) Identify that possibly inconstant constant, abbreviated alpha.

Answer: fine-structure constant

B. (5/5/5) The fine structure constant is derived from these three other constants and 2 pi.

Answer: the charge of the electron, Planck's constant, the speed of light in a vacuum

Prompt: if given their respective abbreviations e, h, and c

C. (10) Give the accepted value of this dimensionless constant, as a decimal rounded to four decimal places or an equivalent fraction.

Answer: .0073

Accept: 1/137

Accept:  $7.3 \times 10^{-3}$

3. For 10 points each, identify the following novels by Fyodor Dostoyevsky.

A. (10) The novel's hero, Prince Myshkin, is perfectly generous and innocent, but his very goodness seems to bring disaster to the woman he wishes to save, Nastasya Filippovna.

Answer: Idiot

English: The Idiot

B. (10) Based on the author's affair with Apollinariya Suslova and the psychology of the activity referred to in the title, the novel was dictated in less than a month to meet a publisher's deadline.

Answer: lgrok

English: The Gambler

C. (10) Based on the author's own experiences, it describes the paradoxical existence of decent people amid the brutality of a Siberian prison camp.

Answer: Zapiski iz Myortvogo Doma

English: The House of the Dead

4. Identify the following Jefferson-era trade laws for the stated number of points.

A. (5) Following the *Chesapeake-Leopard* affair of 1807, this act barred American vessels from European ports, and caused some New Englanders to discuss secession from the Union.

Answer: Embargo Act (of 1807)

B. (10) This act, replacing the Embargo Act of 1807, was passed just three days before the end of Jefferson's presidency, and reopened trade with all nations except England and France.

Answer: Non-Intercourse Act (1809)

C. (15) This 1806 act, which prohibited trade in English goods that could be made domestically or bought elsewhere, was passed in response to the impressment of American seamen into the British navy.

Answer: Nonimportation Act (1806)

5. Given an Asian country, give the political party represented by its current head of government, 5-10-15.

A. (5) India

Answer: Bharatiya Janata Party

English: Indian People's Party

B. (10) Japan

Answer: Jiyuminshuto

English: Liberal Democratic Party

C. (15) Sri Lanka

Answer: Sri Lanka Nidahas Pakshaya

Answer: Sri Lanka Freedom Party

Prompt on: People's Alliance

Prompt on: Bahejana Nidasa Pakhsaya

6. 30-20-10-5. Identify the composer from works.

(30) operas *Ottone in Villa*, *Orlando Finto Pazzo*, *Il Teuzzzone*, *Orlando Furioso*

(20) *Juditha Triumphans*, an oratorio; *L'estro Armonico* or *Harmonic Inspiration*

(10) *The Goldfinch*, a concerto for flute; Opus 4, *La Stravaganza*; Opus 8, *The Contest Between Harmony and Invention*

(5) *The Four Seasons*

Answer: Antonio Vivaldi

7. For 10 points each, identify these cellular structures.

A. (10) Composed of the protein actin, they are essentially the "muscular system" of the cell and allow various kinds of cell movement.

Answer: microfilaments

B. (10) They are tiny, flask-shaped indentations in the cell membrane that trap fluids during the process of micropinocytosis, and may be "pinched off" to form free vesicles in the cytoplasm.

Answer: caveolae

C. (10) Composed of complex arrays of microtubules, they apparently help organize the mitotic spindle during mitosis.

Answer: centrioles

8. Trickster-heroes are found in the mythologies of many cultures. For 10 points each, name these.

A. (10) Sometimes known as Inktoni, this is the trickster deity of Native American cultures in the southwestern U.S.

Answer: Coyote

B. (10) Appearing in myths in many Pacific cultures, among his exploits were obtaining fire, fishing up islands from the seabed, and lifting the sky to make more room underneath.

Answer: Maui

C. (10) In the form of a spider, he is the trickster hero of West African legend. Only in his encounter with the Wax Girl, a variant of the Tar Baby story, is he beaten.

Answer: Anansi

9. Given the first line of a Beatles song, name the song, 5-5-10-10.

A. (5) "When I get older, losing my hair, many years from now."

Answer: When I'm Sixty-Four

B. (5) "When I find myself in times of trouble, Mother Mary comes to me"

Answer: Let it Be

C. (10) "Ooh I need your love babe, guess you know it's true "

Answer: Eight Days a Week

D. (10) "I sat on a rug, biding my time, drinking her wine."

Answer: Norwegian Wood

10. Name the Charles Dickens work, given a list of more obscure characters for 10 points, or a list of more widely known characters for 5 points.

A. (10): Miss Pross, Stryver.

(5) Lucie Manette, Charles Darnay

Answer: A **Tale of Two Cities**

B. (10) Mrs. Mann, Rose Maylie

(5) Mr. Bumble, Bill Sikes

Answer: **Oliver Twist**

C. (10) Sleary, Slackbridge

(5) Mr. McChoakumchild, Thomas Gradgrind

Answer: **Hard Times**

11. Identify these architectural landmarks of Spain for 10 points each.

A. (10) Begun by Juan Bautista de Toledo in 1563 and completed by Juan de Herrera, this complex northwest of Madrid still houses a large population of Augustinian monks.

Answer: Royal Monastery of San Lorenzo del **Escorial**

B. (10) Designed in a Gothic-influenced style, this Barcelona church occupied much of Antoni Gaudi's career.

Answer: Templo Expiatorio de la **Sagrada Familia**

English: Church of the **Holy Family**

C. (10) The Palace of Pedro the Cruel and the Giralda, the minaret of its old mosque, are architectural landmarks of this city.

Answer: **Seville**

12. For 10 points each, answer these questions about the economic study of unemployment.

A. (10) This is the economic term for the type of unemployment that inevitably results from the process of job-seeking, due to time lags in the functioning of labor markets

Answer: **frictional** unemployment

B. (10) In 1958, this economist described a relationship between the level of unemployment and the rate of change of wages, suggesting that low unemployment and low inflation are incompatible goals

Answer: Alban W.H. **Phillips**

C. (10) In 1968, this American economist discovered that a 1% increase in unemployment is associated with a 3% drop in the ratio of actual GNP to full-capacity GNP

Answer: Arthur M. **Okun**

13. Given lines from a World War I era poem, name the poet for the stated number of points.

A. (5) "I think that I should never see / A poem lovely as a tree."

Answer: Joyce **Kilmer**

B. (10) "And pile the bodies high at Ypres and Verdun / Shovel them under and let me work"

Answer: Carl **Sandburg**

C. (15) "We are the Dead. Short days ago / we lived, felt dawn, saw sunset glow"

Answer: John **McCrae**

14. Name these officials from the Eisenhower administration for the stated number of points.

A. (5) He was Eisenhower's Secretary of State from 1953-59.

Answer: **John Foster Dulles**

B. (10) A former governor of New Hampshire, he served as Eisenhower's chief of staff from 1953-58.

Answer: Sherman **Adams**

C. (15) A former governor of Massachusetts, he replaced Dulles and served as Secretary of State from 1959-61.

Answer: Christian **Herter**

15. Given a baseball record that was tied or broken in 2001, name both the person who broke or tied the record, and the person whose record was broken or tied, for 5 points apiece.

A. (5/5) The single-season record for most regular-season victories by a manager was tied.

Answer: Lou Piniella

Frank Chance

B. (5/5) The career runs scored record of 2246 was broken.

Answer: Rickey Henderson

Tyrus Raymond [Ty] Cobb

C. (5/5) The single-season record for walks as a batter, 170, was broken.

Answer: Barry Bonds

George Herman "Babe" Ruth

16. Answer the following questions about the 2002 Senate races for the stated number of points.

A. (5) This former Secretary of Transportation and President of the American Red Cross will try to win the seat being vacated by Jesse Helms.

Answer: Elizabeth Dole

B. (10) Norm Coleman will try to unseat this Minnesotan and author of *The Conscience of a Liberal*, who has reneged on a campaign pledge to serve only two terms.

Answer: Paul David Wellstone

C. (15) Congressman John Thune, South Dakota's lone representative, will try to unseat this freshman Senator in 2002.

Answer: Tim Johnson

17. Identify the planet from moons for the stated number of points.

A. (5) Puck, Cordelia, Ophelia

Answer: Uranus

B. (5) Phobos, Deimos

Answer: Mars

C. (10) Nereid, Proteus, Naiad, Thalassa

Answer: Neptune

D. (10) Leda, Metis, Amalthea

Answer: Jupiter

18. Identify these conceptually similar entities for the stated number of points.

A. (5) In feudal England, this was a self-sufficient landed estate under the control of a lord, which generally included a population of serfs.

Answer: manor

Accept: fiefdom

B. (10) This was a large landed estate in colonial Mexico, generally worked by Indian peasants; many of them were broken up due to the Mexican Revolution of 1911.

Answer: hacienda

C. (15) This was the Roman term for a large agricultural estate, worked by peasants or slaves sometimes numbering in the thousands.

Answer: latifundia



19. Identify the following Flemish artists, for 10 points each.

A. (10) His early works include *The Cure of Folly* and *The Seven Deadly Sins*; the triptych *The Temptation of St. Anthony* demonstrates his mature style.

Answer: Hieronymous Bosch

Accept: Jerome van Aeken

B. (10) He was nicknamed "Hell" for his depictions of damnation, such as *Aeneas in the Underworld*; he is also known for *Attack on a Snow-Covered Village* and *Census at Bethlehem*.

Answer: Pieter Brueghel the Younger (accept equivalents)

C. (10) He painted a mural, now destroyed, for the town hall of Brussels showing famous historical examples of the administration of justice; other works include *Descent from the Cross*, and the *St. John Altarpiece*.

Answer: Rogier van der Weyden

Accept: Rogier de la Pasture

20. Identify the following concepts within the Five Pillars of Islam for the stated number of points

A. (5) This is the Arabic term for the pilgrimage to Mecca, required of all Muslims who are able.

Answer: Haji

B. (10) This is the Arabic term for the statement of faith required by the first Pillar.

Answer: shahadah

C. (15) This is the term for compulsory charity, which originated in the tax levied by Muhammad on the wealthy members of the community to help the poor.

Answer: zakat

Accept: zakah

21. Given a motion picture, name the actress who won an Oscar for best actress for appearing in that film, for 10 points each.

A. (10) *The Silence of the Lambs*

Answer: Jodie Foster

B. (10) *Blue Sky*

Answer: Jessica Lange

C. (10) *The Piano*

Answer: Holly Hunter

22. 30-20-10, name the author.

A. (30) Her first book was the short story collection *The Soft Voice of the Serpent* in 1952; later short story collections are *Not for Publication* and *A Soldier's Embrace*.

B. (20) *The Conservationist* won the Booker Prize in 1974; more recent novels include 1994's *None to Accompany Me* and 1998's *The House Gun*.

C. (10) This South African Nobel laureate is best known for the novels *Burger's Daughter* and *A Guest of Honour*.

Answer: Nadine Gordimer

23. Answer the following questions about recent philanthropic activities, for 10 points each.

A. (10) In October 2001, it was announced that this California university would receive a gift of \$600 million, the largest single donation ever to an American school.

Answer: California Institute of Technology

Accept: Caltech

B. (10) In December 2001, it was announced that this organization will receive \$261 million to preserve biodiversity hotspots around the world.

Answer: Conservation International

C. (10) This Caltech alumnus and cofounder of Intel was responsible for both donations.

Answer: Gordon Moore (the Gordon and Betty Moore Foundation).

24. Answer the following questions about artistic Venuses for the stated number of points.

A. (5) She may have been spinning thread or holding a shield to look at her reflection; now in the Louvre, this sculpture was found in 1820 on one of the Cyclades.

Answer: Venus de Milo

B. (5) This Venetian painted the *Venus of Urbino*

Answer: Titian

Accept: Tiziano Vicellio

C. (10) Titian's *Venus of Urbino* took its inspiration from this painter's *Sleeping Venus*, which Titian completed after the artist's death.

Answer: Giorgione

Accept: Giorgio da Castelfranco

Accept: Giorgio Barbarelli

D. (10): Discovered in 1908 in Austria, this 4-inch limestone statuette has exaggerated breasts and hips, and precisely arranged braids encircling a faceless head.

Answer: Venus of Willendorf

25. Answer these questions about the Meiji Restoration in Japan for the stated number of points.

A. (5) The Meiji Restoration followed the overthrow of this line, which had ruled Japan for over 250 years.

Answer: Tokugawa shogunate

Accept: Edo period

B. (10) This second son of the Emperor Komei took the name Meiji upon his coronation in 1868.

Answer: Mutsuhito

C. (15) This statement promulgated on April 6, 1868 by the Emperor Meiji opened the way for modernization and the introduction of a Western parliamentary constitution.

Answer: Gokajo No Goseimon

English: the Charter Oath

Accept: Imperial Oath of Five Articles

26. 30-20-10. Identify the element.

A. (30) Discovered by Nicolas-Louis Vaquelin in 1797, in its +6 oxidation state it is highly toxic and carcinogenic, and combines with oxygen to form two important complex ions.

B. (20) This group 6b element has four stable isotopes, and radioactive isotope with mass 51 is widely used in biochemistry.

C. (10) It is alloyed with iron to make stainless steel, and is widely used in plumbing fixtures.

Answer: chromium