

1994 Heinrich Bowl
Question Packet 15

1. Built in the 13th and 14th centuries, the austere, castle-like Palazzo Vecchio serves as this city's town hall. For 10 points, identify this Tuscan city at the foot of the Apennines Mountains located on the banks of the Arno River.

Answer: Florence

2. Though one of her suitors is the king of Scotland, Ellen Douglas eventually chooses the bold Malcolm Graeme. For 10 points, of what long narrative poem by Sir Walter Scott is Ellen Douglas the central and title character.

Answer: The Lady of the Lake

3. He suggested a 364-day calendar with an extra day which he called year day. He intended to do away with the current months and suggested 13 months of 28 days each. He also tried to found a secularized version of the Roman Catholic Church from which all supernatural elements were removed and he himself was the High priest in his new "Religion of Humanity." For 10 points, identify this 19th century Frenchman who founded positivism in his *The Course of Positive Philosophy*.

Answer: August Comte

4. He accompanied Nero to Greece, but offended him by falling asleep while he repeated one of his poetical compositions. This momentary resentment did not prevent him from being sent to carry on a war against the Jews which he had to leave to his son. For 10 points, identify this man who in Alexandria on July 1st, 69 AD was proclaimed emperor of Rome.

Answer: Vespasian

5. According to their original design, they had reached their energy limits by 1940. However, design improvements by men like McMillan carried the energies to still higher levels. For 10 points, identify this proton accelerating device that won the 1939 Nobel Physics prize for its inventor, E.O. Lawrence.

Answer: cyclotron

6. Given an excellent education, she learned to speak seven languages, was thoroughly familiar with theology and philosophy, and learned her politics from Count Oxenstierna, her father's minister. For 10 points, identify this daughter of Gustavus II Adolphus who ruled Sweden from 1632 until she abdicated in 1654 to become a Catholic and live in Rome.

Answer: Christina

7. In his second novel, *Oedipa Maas* tries to untangle the mystery of a sinister communications system called "Tristero" and in his first *Benny Profane* hunts alligators in the sewers of New York. For 10 points, identify this American author of *The Crying of Lot 49*, *V*, and *Gravity's Rainbow*.

Answer: Thomas Pynchon

8. Washington's battle plan to attack on four converging roads was disrupted by fog and his own troops fired on each other, rather than Howe's troops in Philadelphia. For 10 points, identify this October 4, 1777 battle which though it didn't get Howe out of Philadelphia, did prevent him from sending much-needed aid to Burgoyne in New York.

Answer: Germantown

9. With libretto by Francesco Maria Piave, this three act opera marks a turning point in the history of Italian opera. In it, the title character laughs at the grief and rage of the aged Count Monterone whose daughter has been seduced by a libertine Duke. For 10 points, identify this Verdi opera based on a Victor Hugo play that is centered on a hunchbacked court jester of Mantua.

Answer: Rigoletto

10. Considered one of the greatest chemists in the world, in 1834 he discovered the antidote that is still used today for arsenic poisoning. However, today he is best remembered for an invention that though it bears his name, was actually discovered by Michael Faraday. For 10 points, identify this German chemist who did invent the ice calorimeter, the zinc-carbon battery, and a photometer as well as lending his name to a gas burner.

Answer: Robert Wilhelm Bunsen

11. It was by partisans under the leadership of this man that Maximilian was arrested and executed in 1867. For 10 points, identify this Mexican leader who that same year was elected president and served until his death in 1872.

Answer: Benito Juarez

12. It was reputed to have been made by Merlin at Carduel for Uther Pendragon who gave it to King Leodegraunce of Camiliard, who in turn gave it to Arthur when he married Guenevere. For 10 points, identify this object that seated 150 that was first mentioned in Wace's Roman de Brut.

Answer: Round Table

13. It was opened by entrepreneurs Leo Brecher and Frank Schiffman who had bought the failing burlesque theater Hurtig and Seaman's, changed its name and reversed its policy of barring black patrons. For 10 points, identify this Harlem theater that after the booking of Bessie Smith became the leading US showcase for black performers.

Answer: Apollo Theater

14. The last name's the same: An American poet who described her treatment by psychoanalysis in *Tribute to Freud*, a fictional resident of Puddleby-on-the-marsh created by Hugh Lofting, and a winner of the Congressional Medal of Honor for his April, 1942 raid on Tokyo from the USS Hornet. For 10 points, what is the common name?

Answer: Doolittle (Hilda, Dr, Jimmy)

15. The English mathematician Henry Briggs compiled the first table of them based on the number ten which are called common. If the transcendental number e is used as a base, then they are called natural. For 10 points what are these numbers the power to which a base must be raised to yield a specific number.

Answer: logarithms

16. Born in Westphalia in 1577, he is considered the greatest of the northern Baroque painters. For 10 points, identify this unsurpassed draftsman who was known in his day not only as a painter but as a scholar, businessman and diplomat who is noted for his paintings of *The Raising of the Cross* and *Descent from the Cross*.

Answer: Peter Paul Rubens

17. Described as both a Bildungsroman and Zeitroman, it grew out of a visit by the author to Davos, Switzerland. Although the main character intends only a brief visit to the Berghof sanatorium, he spends seven years there when a spot is discovered on his lung. For 10 points, what is this novel by Thomas Mann in which Hans Castorp becomes enchanted with the self-contained, mountainous realm of those suffering from pulmonary diseases?

Answer: The Magic Mountain

18. It resulted when at the intercession of Abel R Corbin, the Treasury was convinced to withhold federal gold reserves from the market. It ended when the Treasury Secretary Boutwell dumped \$4 million in gold on the market, though only after the price had been driven from \$140 to \$163 1/2 in four days. For 10 points, what name was given to this financial disaster of September 24, 1869?

Answer: Black Friday

19. It is no longer regarded as an endocrine gland as it apparently produces no secretions, although in disease it may elaborate a hormone that affects the production of red blood cells in the bone marrow. For 10 points, identify this flattened, oblong, glandlike organ of the upper left abdominal cavity that removes disease producing organisms and worn out red blood cells from the bloodstream.

Answer: spleen

20. One of two important projective techniques developed in the 1930s for studying unconscious motivation, it yields such information as intellectual and emotional processes, the degree of personality integration and the degree to which a subject responds to environmental influences. For 10 points, what is this psychological test using 10 cards with varying colors and designs that was developed by the Swiss psychiatrist after whom it is named.

Answer: Rorschach test or Rorschach inkblot test or inkblot test

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1. Identify the following French plays from a brief description for ten points each.

1. This 1664 comedy by Moliere tells of how the title character worms his way into the household of Orgon.

Answer: Tartuffe

2. This 1637 tragedy by Corneille is considered by many to mark the beginning of French drama and much of the material was borrowed from Guillen de Castro.

Answer: Le Cid

3. This 1677 tragedy by Racine is based on Hippolytus by Euripides.

Answer: Phedre

2. For 10 points each, identify the following 20th century milestones of labor legislation given a brief description.

1. This 1935 act established the right of workers to organize and participate in collective bargaining

Answer: Wagner Act or National Labor Relations Act

2. This 1947 act restricted some labor practices such as the secondary boycott and the closed shop

Answer: Taft-Hartley Act

3. Also called the Labor Management Reporting and Disclosure Act, this 1959 act was passed to eliminate a number of abuses in labor union organizations.

Answer: Landrum-Griffith Act

3. There are many problems that can result from hormonal imbalances. Identify the gland that is malfunctioning if you have the following hormonal diseases. 5 pts. each.

1. Addison's disease

Answer: adrenal glands

2. acromegaly

Answer: pituitary

3. goiter

Answer: thyroid

4. Cushing's syndrome

Answer: adrenal glands or pituitary

5. Graves' disease

Answer: thyroid

6. gigantism

Answer: pituitary

4. Name the artists who painted the following works for 10 pts. each.

1. Madonna of the Rocks

Answer: Leonardo da Vinci

2. Sleeping Gypsy

Answer: Henri Rousseau

3. Little Fourteen-Year-Old Dancer

Answer: Edgar Degas

5. For 10 points each, identify the Elizabethan dramatist who penned the following works.

1. Bartholomew Fair

Answer: Ben Jonson

2. The Jew of Malta

Answer: Christopher Marlowe

3. The White Devil

Answer: John Webster

6. Identify the following Nobel Prize winners in chemistry from the following clues for ten points each.

1. 1932, for work in the realm of surface chemistry

Answer: Irving Langmuir

2. 1936, for investigations on dipole moments and diffraction of x-rays and electrons in gases

Answer: Peter DeBye

3. 1934, for the discovery of heavy hydrogen

Answer: Harold Urey

7. Identify the plays for which the following persons won the Pulitzer Prize in the following years. 10 pts. each.

1. 1957, Eugene O'Neill

Answer: Long Day's Journey Into Night

2. 1948, Tennessee Williams

Answer: A Streetcar Named Desire

3. 1971, Paul Zindel

Answer: The Effect of Gamma Rays on Man-in-the-Moon Marigolds

8. Identify the code name for the following WWII operations for ten points each.

1. The naval invasion of Britain by Germany

Answer: Operation Sea Lion

2. The invasion of the Soviet Union by Germany

Answer: Operation Barbarossa

3. The September 1944 Allied plan to drop airborne divisions behind the Siegfried Line.

Answer: Operation Market Garden

9. Identify the following philosophical works from a brief description for ten points each.

1. This work written between 1914 and 1918 by Ludwig Wittgenstein exercised a great deal of influence over the development of logical positivism.

Answer: Tractatus Logico-Philosophicus

2. What 1886 Nietzsche work is a collection of aphorisms in which Nietzsche expresses his desire for a transvaluation of all values.

Answer: Beyond Good and Evil

3. This 1781 Kant work was both a positive evaluation of reason as applied to sense experience and a negative evaluation of reason when it speculates beyond the limits of experience.

Answer: Critique of Pure Reason

10. For 5 points each, give the only two nations that border the following countries.

1. Panama

Answer: Colombia, Costa Rica

2. El Salvador

Answer: Guatemala, Honduras

3. Ecuador

Answer: Colombia, Peru

11. For 10 point each, answer the following questions about the Babylonian "Epic of Gilgamesh".

1. Name the wild bull-man that the gods created to befriend Gilgamesh.

Answer: Enkidu

2. What goddess, when spurned by Gilgamesh, sent the fierce Bull of Heaven to kill him?

Answer: Ishtar or Astarte

3. What was the name given to the Bull of Heaven which was thrown by Enkidu into the face of Ishtar?

Answer: Gudanna or Alu

12. For 10 points each, identify the following female choreographers.

1. She founded her School of Contemporary Dance in 1927 and worked with Aaron Copland. Among her works are Primitive Mysteries, Letter to the World, and Clytemnestra.

Answer: Martha Graham

2. She was a profound influence on Fokine and Diaghilev. Her choreography was largely improvisational and based on her ideas of classic Greek drama and her emotional response to the music of such great composers as Beethoven, Chopin, and Schubert.

Answer: Isadora Duncan

3. Push Comes to Shove was the best known work of this 20th century choreographer.

Answer: Twyla Tharp

13. Given a brief description of the achievements of an American explorer, identify him, for 10 pts. each.

1. In 1806, he was sent westward by James Wilkinson to explore the headwaters of the Arkansas river.

Answer: Zebulon Pike

2. Explored the American West between 1842 and 1846 before becoming a leader of the Republican party.

Answer: John C. Fremont

3. This French explorer is best known for discovering the Magdalene Islands as well as Prince Edward Island.
Answer: Jacques Cartier

14. Identify the 19th century American short stories featuring the following characters for 10 points each.

1. Reverend Mr. Hooper

Answer: The Minister's Black Veil (by Nathaniel Hawthorne)

2. Cherokee Sal and Kentuck

Answer: The Luck of Roaring Camp (by Bret Harte)

3. William LeGrand

Answer: The Gold Bug

15. For 10 points each, identify the following units from electricity.

1. 1 ampere second

Answer: coulomb

2. 1 coulomb per volt

Answer: farad

3. 1 joule per coulomb

Answer: volt

16. Identify the following figure from world history on a 30-20-10 basis.

1. Born in 1889 in Allahabad, his first name means "red jewel."

2. As a part of his program to make India more progressive, he passed the Untouchability Act which outlawed the caste system.

3. Upon passage of the Indian Independence Act, he became India's first prime minister.

Answer: Jawarhalal Nehru

17. Answer the following questions about geological time periods.

1. For 5 points, what era follows the Paleozoic?

Answer: Mesozoic

2. For 10 points, all or nothing, what three periods comprise the Mesozoic era?

Answer: Triassic, Jurassic, Cretaceous

3. For 15 points, all or nothing, what are the six periods of the Paleozoic era?

Answer: Cambrian, Ordovician, Silurian, Devonian, Carboniferous, and Permian

18. Identify the following American winners of the Nobel Prize in Economics. 10 points each.

1. This man won the 1976 prize for his ideas on monetary policy.

Answer: Milton Friedman

2. This man won the 1978 prize for his "research into the decision-making process within economic organizations".

Answer: Herbert A. Simon

3. This man won the 1970 prize mainly for his pioneering textbook, Principles of Economics.

Answer: Paul Samuelson

19. Identify these divisions of the plant kingdom for 10 points each.

1. This division of the plant kingdom contains the most primitive forms of plant life, the algae.

Answer: thallophyta or thallophytes or thallobionta

2. This division of the plant kingdom consists of flowerless, vascular plants with roots, stems and leaves. Ferns are included in this division.

Answer: pteridophyta or pteridophytes or polypodiophyta

3. This division of the plant kingdom has among its members mosses, liverworts, and hornworts.

Answer: bryophyta or bryophytes

20. Convert the number 23 to the following bases. 5 pts. each.

1. base 5 Answer: 43

2. base 8 Answer: 27

3. base 2 Answer: 10111

4. base 7 Answer: 32

5. base 6 Answer: 35

6. base 16 Answer: 17