

1994 Heinrich Bowl
Question Packet 11

1. It was formulated in a letter to Lord Rothschild on November 2, 1917, confirmed by the Allied governments and written into the League of Nations mandate for Palestine in 1922. For 10 points, what was this statement of British policy regarding Zionism that bears the name of the Foreign secretary who set it forth in his letter to Lord Rothschild.

Answer: Balfour Declaration

2. The melodies are played on either a single or double chanter having finger holes. The accompanying pieces, usually six, are called drones and they play one sustained tone each. For 10 points, what is this musical instrument of reed pipes that are actuated by air pressure from a windbag to which they are attached.

Answer: bagpipes

3. For a solenoid, it is given by the expression $\mu \text{ nought } N \text{ squared } A \text{ over length}$. Measured in volt-seconds per Ampere, for any general coil it is equal to the induced EMF divided by the negative time rate of change of current. For 10 points, what is this electromagnetic quantity measured in henrys?

Answer: inductance or self-inductance

4. Kami, found in mountains, river and other parts of nature are the basic force in this system of beliefs. It emphasizes rituals and moral standards and unlike other religions does not stress life after death. For 10 points, what is this "way of the gods", the state religion of Japan?

Answer: Shinto

5. For a time she acted with the Provincetown Players who produced some of the plays she had written in college, notably *Aria da Capo*. For 10 points, identify this woman whose celebration of Bohemian life, *A Few Figs from Thistles* was followed by such collections as the Pulitzer Prize winning *The Harp Weaver and Other Poems*.

Answer: Edna St. Vincent Millay

6. After participating in the raid on Tripoli, he was promoted and made captain in 1813. During the war of 1812, he commanded the *Hornet* which defeated the *Peacock* and in May, 1813 was given command of the frigate *Chesapeake*. For 10 points, identify this captain who uttered the last words "Don't give up the ship" when his men were battling the *HMS Shannon*.

Answer: James Lawrence

7. Frequently mentioned in Greek myth, this city outside the modern city of Iraklion is near the Dictaeon cave, the legendary home of the infant Zeus and was the site of the labyrinth in the palace of King Minos. For 10 points, identify this ancient city of Crete excavated by Sir Arthur Evans beginning in 1900.

Answer: Knossos

8. This organization has its national headquarters in Washington DC and since 1916, the wife of the incumbent president has served as its honorary president. For 10 points, identify this group that was founded under its present name in 1915 after Juliette Low returned from her experience in England with the Girl Guides.

Answer: Girl Scouts

9. Roughly rectangular in shape, its elevations range from a low of 1800 feet along the Kootenai River at the northwestern border to a high of nearly 13,000 feet atop Granite peak in the south near Yellowstone National Park. For 10 points, identify this US state that borders British Columbia, Alberta, and Saskatchewan to the north with its capital at Helena.

Answer: Montana

10. In the end, Demetrius gives up his love for Hermia and settles for Helena and Hermia and Lysander are wed in accordance with their hearts. For 10 points, in what Shakespeare play does this occur, intermingled with the comic antics of Puck, Bottom, and the king and queen of the fairies.

Answer: A Midsummer Night's Dream

11. In 1908, he earned a Ph.D at the University of Copenhagen where he also became a professor. In 1923, he challenged the classic definition of unconnected acids and bases with a new concept of conjugate acids

and bases. For 10 points, identify this man who independently of T.M. Lowry defined acids as proton donors and bases as proton acceptors.

Answer: Johannes Nicolaus Bronsted

12. He was shot and killed by John Bellingham, a bankrupt Liverpool broker who was later hanged for the murder. For 10 points, identify this man who at Portland's death in 1809 became Prime Minister of England.

Answer: Spencer Perceval

13. Born in 1891, he held a variety of jobs including a position as employment manager for the Western Union Telegraph Company before he settled for a nine-year period in France. For 10 points, identify this author who during this period wrote *The Cosmological Eye*, *Max and the White Phagocytes*, *Black Spring* and the controversial *Tropic of Capricorn*.

Answer: Henry Miller

14. Born in 1508 in Padua, he was originally trained as a stonemason and named Andre di Pietro dalla Gondola. He received the name by which he is now known when he joined the academy of poet Giangiorgio Trissino who oversaw his architectural studies. For 10 points, identify this architect who wrote *Antiquities of Rome* in 1554 and in 1571 the highly influential *The Four Books of Architecture*.

Answer: Andrea Palladio

15. He described the behavior of electrons in a way consistent with general relativity in 1928, requiring that electrons have spin 1/2 and predicting the existence of the positron. For 10 points, identify this British physicist who in 1933 shared the Nobel Prize in physics with Erwin Schrodinger.

Answer: Paul A.M. Dirac

16. The second phase was a struggle for power by the nobles against the crown and marked the last insurrection of the nobility against the French monarchy. They were begun as a protest by the Parliament of Paris against the heavy taxation policies of Mazarin, but evolved into an armed insurrection. For 10 points what is this 1648 to 1653 series of revolts against the French monarchy.

Answer: Fronde

17. He was believed, at the time of judgement, to weigh the heart of the dead against the feather of truth. Considered the inventor of embalming and the guardian of tombs, he is sometimes identified with Hermes in Greek mythology. For 10 points, identify this jackal-headed god of ancient Egypt.

Answer: Anubis

18. It consists chiefly of lymphatic tissue and a few small areas of epithelial tissue known as Hassall's corpuscles. In 1961 it was shown that this gland partly mediates the immune system by maturing certain types of white blood cells. For 10 points, what is this gland located just beneath the upper portion of the sternum.

Answer: thymus

19. The derivation of the name is uncertain, though some sources indicate it came from the coins depicting the goddess of liberty worn by many Peace Democrats. For 10 points, identify this group of pro-Southern Democrats whose most conspicuous member, Clement Vallandigham was banished to the Confederacy during the Civil War.

Answer: copperheads

20. He was succeeded in his chair at the French Academy, by Charles, Leconte de Lisle in 1886. In 1817, he was honored by the French Academy for a poem and five years later published his first volume of poetry, *Miscellaneous Odes and Poems*. For 10 points, identify this author who then followed with the novels *Bug-Jargal*, *Ernani*, and *The Hunchback of Notre Dame*.

Answer: Victor Hugo

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1. Identify the following biology terms for 10 points each.

1. The development of an egg without fertilization.

Answer: parthenogenesis

2. The stomach enzyme that digests protein.

Answer: pepsin

3. The serous membrane forming the wall of the cavity in which the heart lies.

Answer: pericardium

2. Identify the Union commander of the Army of the Potomac against Robert E. Lee at the following battles. 10 pts. each.

1. Gettysburg Answer: George Gordon Meade

2. Antietam Answer: George McClellan

3. Fredericksburg Answer: Ambrose Burnside

3. Identify the following art movements of the early 20th century from brief descriptions. 10 pts.

1. It was founded in Zurich by a group of artists and writers led by Jean Arp and Tristan Tzara

Answer: Dada or dadaism

2. This loosely organized group of Expressionist artists took its name from the title of a Kandinsky painting.

Answer: Blaue Reiter or Blue Rider

3. It was founded in 1905 by a group of German expressionists including Kirchner, Schmidt-Rottluff, Heckel, and Fritz Bleyl, who at the time were all architectural students at the Dresden Technical School.

Answer: Die Brucke or The Bridge

4. Give the Sinclair Lewis title character given his or her profession. 10 points each.

1. Medical doctor Answer: Martin Arrowsmith

2. automobile manufacturer Answer: Samuel Dodsworth

3. evangelist Answer: Elmer Gantry

5. Identify these ancient civilizations from brief descriptions. 10 pts. each.

1. Its legendary founder was Ninus, who built the capital city of Nineveh.

Answer: Assyria or Assyrian

2. The cities of this eastern Mediterranean civilization included Byblos, Sidon, Tyre, and Tripoli.

Answer: Phoenicia or Phoenician

3. This group of people came into Southern Babylonia around 1000 BC and seized the throne of Babylon under Nabopolassar in 626 BC, then flourished under Nebuchadnezzar before falling to Cyrus the Great.

Answer: Chaldean

6. The T-cells of the immune system come in a variety of types. For 15 points each, identify these types of T-cells.

1. This type of T-cell is activated by foreign antigens in association with the Class I self MHC antigen. They destroy virus-infected cells or cancer cells.

Answer: cytotoxic T-cells or killer T cells.

2. This type of cell aids in the activation of B cells and other T cells by the secretion of chemical factors.

Answer: helper T-cells

7. Identify the Greek playwrights who wrote the following. 5 pts. each.

1. The Persians Answer: Aeschylus

2. Iphigenia in Tauris Answer: Euripedes

3. Lysistrata Answer: Aristophanes

4. Antigone Answer: Sophocles

5. Dyskolos (The Bad-Tempered Man) Answer: Menander

6. The Trojan Women Answer: Euripedes

8. Identify the planet orbited by these moons.

1. Electra Answer: Saturn

2. Callisto Answer: Jupiter

3. Umbriel Answer: Uranus

4. Nereid Answer: Neptune

5. Iapetus
6. Charon

Answer: Saturn

Answer: Pluto

9. Identify the following musical scales for 10 points each.

1. It is a five tone scale found in the music of Asian and African music and rock music.

Answer: pentatonic

2. It contains no half tones and consists of six tones per octave. There are only two scales of this type in traditional western music.

Answer: whole tone

3. This 12-tone scale consists only of half-step intervals.

Answer: chromatic

10. Given the name of a character from an action movie, identify the actor who played him for 10 points. If you need the name of the movie, you will get 5 points.

1. 10: Mason Storm

5: Hard to Kill

Answer: Steven Seagal

2. 10: John Matrix

5: Commando

Answer: Arnold Schwarzenegger

3. 10: Chance Beaudreaux

5: Hard Target

Answer: Jean-Claude Van Damme

11. Identify these terms from linguistics for 15 points each.

1. This term is applied to a language that forms words mainly by combining little-changed word elements. For example, "going-to-the-sun mountain".

Answer: agglutinative

2. This term is applied to varying the form of nouns, adjectives, and pronouns to show case, number, and gender in a sentence.

Answer: declension

12. Identify the speaker who told the following Canterbury tales. 10 pts. each.

1. Three young men search for death and kill each other over gold.

Answer: Pardoner's tale

2. A woman and her lover trick her husband into believing the second flood is coming. He naps in a suspended tub which crashes to the ground when he severs the ropes holding it after hearing screaming downstairs.

Answer: Miller's tale

3. The young scholars John and Alan gain revenge on the unscrupulous miller Simkin for cheating them by sleeping with his wife and daughter and stealing some of his grain.

Answer: Oswald, the Reeve's tale

13. Identify this philosophical work, 30-20-10.

1. It features the characters Cephalus, Polemarchus, Thrasymachus, Glaucon, and Adeimantus.

2. It begins with an attempt to define justice and Socrates remarking that before justice can be found in the individual, it must be sought in the state.

3. It sets out Plato's view of the ideal state.

Answer: The Republic

14. Identify the following historical journeys for 10 points each.

1. It was taken from 1934-5 to escape the Kuomintang.

Answer: Long March

2. Commanded by General Masaharu Homma, it began April 9, 1942

Answer: Bataan Death March

3. It occurred in 1838 and was led by John Ross.

Answer: Trail of Tears

15. For 5 points each, identify the compound name for which the following three letter chemical abbreviations stand.

1. PCB Answer: poly-chlorinated-biphenyl

2. DNA Answer: deoxyribonucleic acid

3. LSD Answer: lysergic acid diethylamide

4. TNT Answer: tri-nitro-toluene

- 5. NADP
- 6. MSG

Answer: nicotinamide adenine dinucleotide phosphate
Answer: mono-sodium glutamate

16. Identify the following 20th century Secretaries of State from brief descriptions. 10 pts. each.

1. This man who served as Secretary of State under Theodore Roosevelt was awarded the 1912 Nobel peace prize.

Answer: Elihu Root

2. This man who served as Secretary of State from 1925 to 1929 and won the 1929 Nobel peace prize.

Answer: Frank B. Kellogg

3. Secretary of State under Hoover, this man's doctrine was criticized as an unduly mild response to the 1931 Japanese invasion of Manchuria.

Answer: Henry L. Stimson

17. Given a river, identify the country in which all or most of it lies for 5 points.

1. the Lower Tunguska

Answer: Russia

2. the Madeira

Answer: Brazil

3. the Nelson

Answer: Canada

4. the Godavari

Answer: India

5. the Yenisei

Answer: Russia

6. the Darling

Answer: Australia

18. Identify the following terms from physics that start with the letters "di" for 10 points each.

1. the property of a substance whereby it is feebly repelled by a strong magnet

Answer: diamagnetism

2. an electric insulator

Answer: dielectric

3. a two terminal device that will conduct electric current more easily in one direction than the other.

Answer: diode

19. Identify these dynasties from countries that they have ruled and the time period during which they reigned on a 10-5 basis

1. 10: Poland, 1587-1668

5: Sweden, 1523-1654

Answer: Vasa

2. 10: Spain, 1516-1700

5: Austria, 1740-1918

Answer: Hapsburg

3. 10: Scotland, 1371-1714

5: England, 1603-1714

Answer: Stuart

20. Identify the realms over which the following gods from various world mythologies ruled, on a 10-5 basis.

1. 10: Huitzilopochtli

5: Tyr

Answer: War

2. 10: Njord

5: Neptune

Answer: the sea

3. 10: Hathor

5: Ishtar

Answer: love or fertility, etc.