

**ACF Fall 2017**

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**Packet by Carleton A, Florida B, Oxford Brookes, and Rutgers A**

**Tossups**

1. In 2010, this country drew international attention by passing an environmentalist act called the Law of the Rights of Mother Earth. An unpaved, winding road through this country's Yungas region is infamous for being "the most dangerous road in the world." A mountain overshadowing this country's city of Potosi provided much of the silver ore that enriched Spain during the colonial era. The capital city of this country is the highest in the world because it lies on the Altiplano, most of which is located in this country. This country shares Lake Titicaca with its northwestern neighbor Peru. For 10 points, name this landlocked country in South America, with two capitals: Sucre and La Paz.

ANSWER: **Bolivia**

2. One of this author's title characters declares "We shall yet make these United States a moral nation!" after blackmailing Hettie Dowler to prevent her from going public with their affair. Another of his main characters joins her town's Thanatopsis reading club, but is forced to put on a mediocre play called *The Girl From Kankakee*. This author wrote a novel whose hypocritical title character becomes the lover of Sharon Falconer before leading a congregation in Zenith. In another novel by this author, Carol Kennicott attempts to change the bleak small-town life of Gopher Prairie. For 10 points, name this American author of *Elmer Gantry* and *Main Street*.

ANSWER: Sinclair **Lewis**

3. This musician commissioned a sonata by Francis Poulenc, who died before he could premiere it with him. John Hammond suggested that this musician purchase arrangements from Fletcher Henderson to play on the radio show *Let's Dance*. After that gig, this musician and his band played a wildly successful concert at the Palomar Ballroom. Teddy Wilson joined this musician in one of the first racially integrated jazz groups. This musician's band was the first jazz ensemble to perform at Carnegie Hall, where Gene Krupa played a tom-tom solo at the beginning of "Sing, Sing, Sing." For 10 points, name this jazz clarinetist, known as the "King of Swing."

ANSWER: Benny **Goodman** [or Benjamin David **Goodman**]

4. In bacteria, this process can end in a "rho-independent" fashion, which is caused by the formation of a stem-loop structure. The Mediator complex acts as a coactivator of this process by looping distant regions of euchromatin ["you-chromatin"] closer together. This process is promoted by sigma factor and TATA binding protein, both examples of this process's namesake factors. This process involves the creation of a namesake bubble after the template and complementary strands are unwound. Ribo-nucleotide tri-phosphates are added onto the growing strand by RNA polymerase during the "elongation" step of this process. For 10 points, name this molecular process that produces RNA from DNA.

ANSWER: RNA **transcription** [prompt on mRNA synthesis]

5. In this century, outrage over the kidnapping of Edgardo Mortara turned public opinion against the church. In this century, the Catholic church was stripped of many rights by the May Laws. Workers' rights were affirmed by the pope in the encyclical *Rerum Novarum* issued in this century. The reactionary Syllabus of Errors was published in this century, which also saw the promulgation of the doctrine of papal infallibility. Pius IX called popes "prisoners in the Vatican" after the capture of Rome in this century. For 10 points, name this tumultuous century for the papacy, whose events included the Kulturkampf, the First Vatican Council, and the unification of Italy.

ANSWER: **1800s** [or **19th** century]

6. In a tone poem by this composer, the woodwinds unusually quote the *Dies Irae* [DEE-ess EAR-ay] in a major key. In that piece, the violinist, who enters playing an A - E-flat tritone, tunes the E string down a half step. A movement of a piece by this composer includes parts for flute, muted string quartet, two pianos, and glass harmonica. In another of this composer's works, the fifth movement, marked *allegretto pomposo*, features the double basses playing a waltz. A fourteen-movement suite by this composer includes the xylophone-heavy *Fossils*, *Aquarium*, and *The Elephant*. For 10 points, name this French composer of *Danse Macabre* and *The Carnival of the Animals*.

ANSWER: Charles-Camille **Saint-Saëns**

7. The journalist Barbara Ehrenreich explored this condition in America in *Nickel and Dimed*. Mohammed Yunus (YOU-nuss) won the 2006 Nobel Prize in Economics for his work in preventing this condition. Thomas Malthus proposed that this condition exists in part because population grows faster than the food supply. According to an economic law primarily attributed to David Ricardo, wages are kept at the bare minimum necessary for workers to have children, ensuring this condition persists. In the United States, it is defined for households as less income than three times a minimum food budget. For 10 points, name this economic condition defined by a lack of money.

ANSWER: **poverty** [or word forms; or obvious equivalents like **being poor**; prompt on descriptive answers such as not having enough money; prompt on **inequality**]

8. A play set in this country ends with news of the Actor's suicide, causing Satine to respond that it "spoiled the song." In a novel set in this country, the Variety Theater hosts strange magical performances that perplex the members of MASSOLIT. In that novel set in this country, a character uses Berlioz's skull as a goblet to drink blood while meeting with Professor Woland, who is the Devil in disguise. In a story set in this country, the "Very Important Person" is haunted by the ghost of a poor clerk after two thugs steal his prized title piece of clothing. For 10 points, name this setting of *The Master and Margarita*, the country home to the author of "The Overcoat," Nikolai Gogol.

ANSWER: **Russia** [or the **Russian** Empire; or the **Soviet Union**; or the **USSR**; or the **Union of Soviet Socialist Republics**]

9. An iron dagger found in this location was found to have an exceptionally high nickel content, suggesting the blade was forged from metal from a meteorite. Zahi Hawass has led CT scans of objects found in this location and written multiple books about the discoveries made at this place. Lord Carnarvon, who funded the expedition to discover this place, died of an infected mosquito bite shortly after it was uncovered. The discovery of this place by Howard Carter in 1922 yielded many well-preserved artifacts, including a lapis-lazuli and gold death mask with the characteristic false beard. For 10 points, name this largely-intact burial location in the Valley of the Kings belonging to a boy pharaoh.

ANSWER: **tomb** of **Tutankhamun** [or **KV62**; prompt on the **Valley of the Kings**; prompt on **Egypt**]

10. When this shape is inscribed in a conic section, continuing its pairs of sides gives points of intersection that are all on its Pascal line. Twelve pentagons and twenty of these shapes comprise the faces of a truncated icosahedron. The area of this polygon is equal to 3 times its apothem times its side length. These shapes, alongside squares and triangles, are the only regular polygons that can tessellate a plane. This polygon can be created by laying two isosceles trapezoids along their longest side. These polygons, whose interior angles sum to 720 degrees, are found with pentagons in fullerene molecules. For 10 points, name these polygons that have six equal sides.

ANSWER: regular **hexagons** [or **6-gons**]

11. A poem by this author observes that the same gale blew through a forest in Roman Britain and the present, and ends "To-day the Roman and his trouble / are ashes under Uricon." This author observed "since to look at things in bloom / fifty springs are little room" in a poem about the "Loveliest of Trees, the Cherry Now." This author of "On Wenlock Edge" wrote a poem about a wise man who says "give crowns and pounds and guineas / but not your heart away," as well a poem beginning "The time you won your town the race / We chaired you through the marketplace." For 10 points, name this author who included "When I was one-and-twenty" and "To an Athlete Dying Young" in his collection *A Shropshire Lad*.

ANSWER: Alfred Edward **Housman** [or A. E. **Housman**]

12. A disastrous defeat for this country came on “Black Saturday,” when this country’s forces were defeated at the Battle of Pinkie Cleugh. A neighboring country invaded it in order to force a marriage between this country’s infant queen and a teenaged king, a conflict now known as the War of the Rough Wooing. While attempting to honor this country’s Auld Alliance with France, its king James IV was killed at the Battle of Flodden Field. A queen of this country was executed on the orders of her first cousin Elizabeth I. The House of Stuart originated in, for 10 points, what country, which the Act of Union combined with its southern neighbor England?

ANSWER: **Scotland**

13. A deer of this colour is shown fleeing a forest fire in a painting with the alternative title “The trees show their rings, the animals their veins”. One artist wrote that the darker this colour becomes, “the more strongly it calls man towards the infinite”; that was written in the essay *Concerning the Spiritual in Art. A Tower of Horses* of this colour was painted by Franz Marc. This colour is the main background of a depiction of four birds sitting atop a “sine-wave branch”; that is Paul Klee’s *Twittering Machine*. This color partially names a German art movement founded by the creator of many Compositions. For 10 points, a Rider of which color was painted by Wassily Kandinsky?

ANSWER: **blue** [or Der **Blaue** Reiter or The **Blue** Rider; or other shades of blue, such as turquoise, or teal, or even periwinkle]

14. The volume occupied by these molecules can be expressed using the radius of gyration or pervaded volume. One method of synthesizing these molecules proceeds via the Cossee-Arlman mechanism and uses a metallocene-based catalyst. These molecules experience a sharp change in viscosity at the glass transition temperature, which is affected by the degree of cross-linking between these molecules. Ziegler and Natta won the Nobel Prize for their work with these molecules, which can be produced via addition or condensation reactions. Natural examples of these molecules include lignin and rubber. For 10 points, name these macromolecules composed of chains of repeated monomers.

ANSWER: **polymers**

15. Everyday examples of these things are known as *Atash Dadgah* and are consecrated by chanting 72 verses from the Yasna. Buildings specially designed to house this substance appear simple with little embellishment and contain a sanctum with a double domed roof, where this substance is kept. In Hindu marriages, a newly wed couple takes seven steps around one of these things. During a yajna [YUG-nyaa], ghee, milk, and other oblations are offered to one of these things. *Dar-be mehrs* are temples that are named for this substance in Zoroastrianism. This substance is personified by the Hindu deity Agni. For 10 points, name this substance used by Hindus to perform cremation.

ANSWER: **fire** [or sacred **fire**; or holy **fire**; or similar answers; prompt on yajna until it is read]

16. In a short story by this author, Mrs. McIntyre chooses not to warn a Polish immigrant named Mr. Guizac about a runaway tractor which crushes him to death. Another short story by this author ends with its main character being savagely beaten by his wife Sarah Ruth, who considers his tattoo of Christ’s face to be idolatrous. One of this author’s antagonists laments that another character could have been a good woman if “somebody had been there to shoot her every minute of her life.” This author of “The Displaced Person” and “Parker’s Back” wrote a story in which the Grandmother is killed by the Misfit. For 10 points, identify this Southern author of “A Good Man Is Hard To Find.”

ANSWER: Flannery **O’Connor**

17. The Queen Mother of the Goguryeo dynasty was supposedly the daughter of a god of one of these things who gave a diagram to Yu the Great. Hapi presided over an annual event at one of these locations in Egypt. A god of one of these locations tried to kill Achilles three times, only to be stopped by Hephaestus’s flames. One of these locations was descended to Earth from Shiva’s hair. To win his wife, Heracles cut off the horn of a god of one of these locations named Achelous. The most binding Greek oaths were sworn on one of these locations which the recently-deceased would cross with the assistance of Charon. For 10 points, name these locations which in Greek mythology include the Lethe and the Styx.

ANSWER: **rivers** [or **river** gods or anything mentioning deities that rule over **rivers**; accept the Yellow **River** or Huang **He** or **Hebo**, Scamander **River**, Nile **River**, Ganges **River**, Achelous **River** before mention, or the **River** Styx]

18. One form of this quantity is given by the time-averaged Poynting vector divided by the speed of light. It's not viscosity, but the dynamic form of this quantity is given by one-half times density times flow speed squared. The force of particles of light causes the "radiation" form of this quantity. According to Pascal's principle, a change in this quantity anywhere in an incompressible fluid is transmitted throughout. The hydrostatic form of this quantity is equal to density times  $g$  times  $h$ . The gauge form of this quantity is measured relative to that of the atmosphere in units such as pascals or atms [A T Ms]. For 10 points, name this quantity that is defined as force per unit area.

ANSWER: **pressure** [accept **radiation pressure** before mentioned; accept **acoustic pressure** or **sound pressure**]

19. This man justified the acquisition of property as long as that property is not left to spoil and "enough and as good" are left for others. He classified the "power in fire to produce a new colour" as a secondary quality, in contrast with primary qualities that are innate to an object itself. In one treatise, this thinker described a "natural law" under which all have a right to life, liberty, and property and posited a right of revolution for people under oppressive governments. This Empiricist described how knowledge is gained only through experience in his concept of the *tabula rasa*. For 10 points, name this English philosopher who wrote *An Essay Concerning Human Understanding*.

ANSWER: John **Locke**

20. The Spooner Act authorized buying a French syndicate to negotiate the construction of this structure. The construction of this structure was hampered by outbreaks of yellow fever, which were reduced by the work of Walter Reed. The Hay-Bunau-Varilla Treaty provided a strip of land twenty miles wide for this structure, whose construction was supervised by George Washington Goethals. After this structure was completed, ships no longer had to go through the Strait of Magellan or round Cape Horn, cutting thousands of miles of travel. For 10 points, name this structure that connects the Atlantic and Pacific Oceans and goes through a namesake isthmus in Central America.

ANSWER: **Panama** Canal

Tiebreaker. Poles stuck upright in the ground to foil glider-borne troops were known as this general's "asparagus." He was the highest-ranking commander to refuse to shoot enemy commandos on sight, disobeying the infamous Commando Order. This man broke through the Mareth Line after defeating American troops at the Battle of the Kasserine Pass. This commander was forced to commit suicide after his role in the July 20th plot was discovered. As commander of the Afrika Korps, this man was bested by Bernard Montgomery at the decisive Battle of El Alamein. For 10 points, name this German tank commander during World War II, nicknamed "the Desert Fox."

ANSWER: Erwin **Rommel**

## Bonuses

1. In a masque by this author, the attendant spirit and the water nymph Sabrina free the Lady from a magical chair. For 10 points each:

[10] Name this author, who wrote the paired pastoral poems “L’Allegro” and “Il Penseroso,” and the sonnet “When I consider how my light is spent.”

ANSWER: John Milton

[10] John Milton may be more famous for this blank verse epic about Adam and Eve’s expulsion from the Garden of Eden, which attempts to “justify the ways of God to man.”

ANSWER: Paradise Lost

[10] Milton wrote “I come to pick your berries harsh and crude” in the third line of this pastoral elegy. It was written in memorial of his friend Edward King, who drowned in the Irish Sea.

ANSWER: “Lycidas”

2. In this text, a woman is impregnated by eating a lingonberry and gives birth to a son who becomes King of Karelia. For 10 points each:

[10] Name this epic which contains the story of the virgin Marjatta. In another story from this epic, a comb begins to bleed after its hero drowns trying to capture a swan to win Louhi’s daughter’s hand in marriage.

ANSWER: the Kalevala

[10] The story of Marjatta symbolizes the Christianization of this European country, which reveres Ilmarinen and Väinämöinen as mythological heroes and regards the Kalevala as its national epic.

ANSWER: Finland

[10] In Finland, the word for Satan, “saatana,” is frequently used as a swear word in conjunction with a word thought to refer to this chief Finnish god. This god of the sky conjured lightning from a hammer, axe or sword.

ANSWER: Ukko [or perkele; or Äijä; or Äijö; or Pitkänen; or Isäinen or Isoinen]

3. Mechanisms for this type of reaction include  $S_N1$  [“ess-enn-one”] and  $S_N2$  [“ess-enn-two”]. For 10 points each:

[10] Name this class of reactions, in which a nucleophile replaces a leaving group. The Finkelstein reaction, which exchanges halogen atoms in a compound, is an example of this class of reaction.

ANSWER: substitution [accept nucleophilic substitution]

[10] The Williamson synthesis of this functional group uses an  $S_N2$  reaction between an alkoxide and an alkyl halide. Epoxides are an example of this functional group.

ANSWER: ether

[10] Polar aprotic solvents such as this cyclic ether compound favor  $S_N2$  reactions since they do not hydrogen bond to the nucleophile. This compound forms strong complexes with boranes and includes an oxygen atom in a five-membered ring.

ANSWER: tetrahydrofuran [or THF]

4. The first two members of this group abandoned their previous job after being told they would become “fishers of men.” For 10 points each:

[10] Name this group of people who were the closest followers of Jesus. They dined with Jesus at the Last Supper.

ANSWER: Twelve Apostles [prompt on the twelve Disciples]

[10] This apostle is said to have written a gospel in which he claims to be the “disciple whom Jesus loved.” His namesake gospel begins, “In the beginning was the Word.”

ANSWER: John the Apostle

[10] The prologue of the Gospel of John identifies Jesus with the “Word,” which comes from this Greek term. This term is used to emphasize Christ’s divinity in formulations of the Trinity.

ANSWER: logos

5. The painting *Golconda* depicts men raining from the sky wearing overcoats and this item of headgear. For 10 points each:

[10] Name this item of headgear common in surrealist paintings by a certain artist. They are worn by two men with a club and a net waiting to ambush a man listening to a phonograph in *The Menaced Assassin*.

ANSWER: **bowler hats** [prompt on **hats** or other partial clear knowledge equivalents]

[10] *Golconda* and *The Menaced Assassin* are by this Belgian surrealist painter who stated “This is not a pipe” in *The Treachery of Images*, and depicted a train emerging from a fireplace in *Time Transfixed*.

ANSWER: René (François Ghislain) **Magritte**

[10] Magritte’s painting *The Listening Room* shows a large one of these objects taking up the entire room. One of these objects is placed in front of a bowler-hatted man’s face in Magritte’s *The Son of Man*.

ANSWER: (green) **apples**

6. This ruler died after hitting his head while on his way to watch a game of *jeu de paume*. For 10 points each:

[10] Name this king whose invasion of Italy in 1494 started the Italian Wars. Savonarola welcomed this ruler’s occupation of Florence, claiming that it would purify the city of its decadence and corruption.

ANSWER: **Charles VIII** [or **Charles** the **Affable**; prompt on **Charles**]

[10] Charles VIII’s invasion of Italy led to the formation of an alliance to oppose him led by Alexander VI, a pope from this family. A member of this family was the inspiration for Machiavelli’s *The Prince*.

ANSWER: **Borgia** family [or Rodrigo **Borgia**; or Cesare **Borgia**]

[10] The coalition opposing Charles VIII was named after this city, a maritime power on the Adriatic Sea which was ruled by doges [doe-jiz].

ANSWER: **Venice** [or **Venezia**; or League of **Venice**]

7. One character in this play meets the travel agent “Mr. Lies” while imagining herself in Antarctica during a valium-induced hallucination. For 10 points each:

[10] Name this play by Tony Kushner, released in two parts titled “Millennium Approaches” and “Perestroika.”

ANSWER: **Angels in America: A Gay Fantasia on National Themes**

[10] In *Angels in America*, Prior Walter has this disease. The struggle to cope with this disease is a major theme in much gay literature of the 1980s and 1990s.

ANSWER: **AIDS** [or **HIV**; or **HIV/AIDS**; or **acquired immunodeficiency syndrome**; or **human immunodeficiency virus**]

[10] In this autobiographical graphic novel, Alison Bechdel contrasts a young girl’s open lesbianism with her father’s closeted homosexuality.

ANSWER: **Fun Home**

8. The most massive exoplanet may actually be one of these objects instead. For 10 points each:

[10] Name these substellar objects that are classified by spectral class M, L, T, and Y. They are more massive than planets but less massive than stars.

ANSWER: **brown dwarfs**

[10] Brown dwarfs generally have a mass of over 13 times the mass of this planet. The Trojan asteroids share their orbit with this largest planet in the Solar System.

ANSWER: **Jupiter**

[10] Much evidence of brown dwarfs was discovered by WISE, a space telescope that operates in this region of the electromagnetic spectrum. Cameras that detect this radiation are used to measure the amount of heat in objects.

ANSWER: **infrared** radiation [or **IR** radiation]

9. This ruler's general Avidius Cassius led a brief rebellion after hearing false news that this ruler had died. For 10 points each:

[10] Name this Roman emperor who died in 180 AD. This author of the *Meditations* was succeeded by his son Commodus.

ANSWER: **Marcus Aurelius**

[10] Marcus Aurelius was the last of this number of so-called "Good Emperors," during whose reign the Roman Empire was typically stable and prosperous.

ANSWER: **five** [or **Five** Good Emperors]

[10] Most of the reign of Marcus Aurelius was spent fighting against this confederation of Germanic tribes. Marcus Aurelius wrote his *Meditations* while on campaign against them.

ANSWER: **Marcomanni** [or the **Marcomannic** Wars]

10. In this opera, the protagonist challenges a princess to discover his name before morning as her only chance to avoid marrying him. For 10 points each:

[10] Name this opera in which Prince Calaf sings "Nessun Dorma," which Luciano Pavarotti popularized after a performance at the 1990 World Cup.

ANSWER: **Turandot** (TUR-in-dot)

[10] This composer left his final opera *Turandot* incomplete upon his death. His earlier operas include *Madame Butterfly* and *La Boheme*.

ANSWER: Giacomo **Puccini** [or Giacomo Antonio Domenico Michele Secondo Maria **Puccini**]

[10] Confident about his chance for victory, Calaf repeats this Italian word three times at the end of "Nessun dorma." In the final repetition of this word, he sustains a high B before dropping to a longer sustained A on the final syllable.

ANSWER: **"Vincerò!"** [prompt on **"I will win!"**]

11. This kingdom was ruled by the Wadiyar family. For 10 points each:

[10] Name this southern Indian kingdom. The colonization of this kingdom was held off by its able military commanders Hyder Ali and Tipu Sultan, who died during the sack of its capital city Seringapatam.

ANSWER: **Mysore**

[10] The Kingdom of Mysore fought four wars against this colonizing power, which later took control of all of India.

ANSWER: **British** Empire [or **Britain**; or **United Kingdom**; accept **British** East India Company; anti-prompt on **England**]

[10] At the Battle of Pollilur, Tipu Sultan successfully used weapons of this type against the British. Their Mysorean type was the basis for the William Congreve-designed British version that was used at the siege of Fort McHenry.

ANSWER: **rockets** [accept Congreve **rockets**; prompt on **artillery**]

12. Coupeau squanders Gervaise's money in the title gin shop in this author's novel *L'Assommoir*. For 10 points each:

[10] Name this French author who included *L'Assommoir* in his *Rougon-Macquart* series of novels.

ANSWER: Émile Édouard Charles Antoine **Zola**

[10] Zola published this open letter in the newspaper *L'Aurore* in response to the Dreyfus affair. Its title has become a popular phrase used to call out people in power.

ANSWER: **J'accuse**

[10] This is the profession of the main characters of Zola's novel *Germinal*. D. H. Lawrence grew up in a town dominated by this profession, which may be why it's the profession of Walter Morel in *Sons and Lovers*.

ANSWER: **coal mining** [or **coal miner**; prompt on **mining** or **miner**]

13. This value can be surpassed by hypothetical particles known as tachyons. For 10 points each:

[10] Name this speed at which photons and gluons travel. This value is equal to roughly 3 times 10 to the 8th meters per second and is thought to be the “speed limit” of objects in the universe.

ANSWER: **speed of light** [or **lightspeed**; prompt on **c**]

[10] Surpassing the speed of light is impossible according to this theory developed by Albert Einstein. This theory makes use of Lorentz transformations and only applies to inertial reference frames.

ANSWER: **special relativity** [prompt on **relativity**; do not accept or prompt on “general relativity”]

[10] When a charged particle travels through an insulator, however, it can surpass the speed of light in that medium and emit this type of radiation, which appears as a blue glow.

ANSWER: Vavilov-**Cherenkov** radiation

14. The writings of this man often angered the authorities, resulting in him being exiled several times. For 10 points each:

[10] Name this author of *Candide*, who frequently found himself facing the ire of the monarchy of his native France. His first exile resulted in his flight to England.

ANSWER: **Voltaire** [or Francois-Marie **Arouet**]

[10] In *Candide*, Voltaire uses the character of Dr. Pangloss to criticize this philosopher’s optimism. This thinker developed those ideas in his *Théodicée* (tay-oh-dee-SAY), where he discussed the “best of all possible worlds.”

ANSWER: Gottfried Wilhelm (von) **Leibniz**

[10] Leibniz believed that the universe was made only of God and these simple objects, which possess no spatial attributes. He discussed these concepts in a book titled for the “ology” of them.

ANSWER: **monads**

15. In a debate, the incumbent in this election blundered when he asserted that “there is no Soviet domination of Eastern Europe.” For 10 points each:

[10] Name this presidential election. The Republican ticket of Gerald Ford and Bob Dole failed to be elected in this year.

ANSWER: Election of **1976**

[10] Ford’s chances at winning the election may have also been hurt by his pardon of this previous president, who resigned in the aftermath of the Watergate scandal.

ANSWER: Richard **Nixon**

[10] Ford defeated this fellow Republican for his party’s nomination in the election. In his earlier political career, this man gave a speech supporting Barry Goldwater titled “A Time for Choosing.”

ANSWER: Ronald **Reagan**

16. Answer some questions about looking at situations through different perspectives, for 10 points each:

[10] This American sociologist argued that changing perspectives to better understand society constitutes the “sociological imagination.” He described the influence of dominant societal interests in *The Power Elite*.

ANSWER: Charles Wright **Mills**

[10] Shifting societal perspectives are central to this thought experiment, in which a group of people create a society under a “veil of ignorance” where no person knows what their social status will be. It was devised by John Rawls.

ANSWER: the **original position**

[10] In psychology, this term is used to describe imagining someone else’s life from their perspective. In contrast to sympathy, someone undergoing this emotion does *not* share that perspective.

ANSWER: **empathy**

17. Macrophages in this organ that break down red blood cells to produce bilirubin are known as Kupffer cells. For 10 points each:

[10] Name this organ, which is primarily composed of hepatocytes. This organ, which shows long-term damage in cirrhosis, is the primary organ responsible for detoxification.

ANSWER: **liver**

[10] The liver produces this alkaline fluid that helps to digest lipids by emulsifying them. This substance is almost entirely made of namesake “acids” such as taurocholic acid.

ANSWER: **bile**

[10] The liver also breaks down fatty acids to produce these molecules, which include aceto-acetate, beta-hydroxybutyrate, and acetone. These molecules provide energy for the brain during fasting or starvation.

ANSWER: **ketone bodies** [or **ketone body**; prompt on **ketones**]

18. A September 2017 FBI indictment alleged that representatives of this company conspired with universities to illegally pay high school basketball players. For 10 points each:

[10] Name this shoe company, the brand sponsor of schools such as Miami, Auburn, and Arizona, which were also implicated in the scandal.

ANSWER: **Adidas**

[10] This other university was mentioned in the FBI indictment as coordinating with Adidas to pay \$100,000 to top recruit Brian Bowen. After the FBI report came out, this school fired its head basketball coach Rick Pitino.

ANSWER: University of **Louisville** [or **UL**]

[10] This shoe company was not mentioned in the FBI report, despite its extensive involvement in college sports. This company sponsors athletes like Mia Hamm and LeBron James, who wear this company's trademark swoosh.

ANSWER: **Nike**

19. Joseph Campbell suggested that this novel served as inspiration for Thornton Wilder's *The Skin of Our Teeth*. For 10 points each:

[10] Name this novel, which contains many names and places with the initials “HCE.” This novel's opening sentence fragment, “riverrun, past Eve and Adam's...” is a continuation of its last sentence.

ANSWER: **Finnegans Wake**

[10] Joseph Campbell took the term “monomyth” from *Finnegan's Wake* and used it to describe this literary concept. This literary concept is divided into departure, initiation, and return stages.

ANSWER: **hero's journey** [accept **hero journey** or **journey of the hero**]

[10] One notable example of a hero's journey is the struggle of this hero of a namesake Greek epic poem to return home to Ithaca to be with his wife Penelope.

ANSWER: **Odysseus**

20. This composer allegedly included a cymbal clash in his seventh symphony when he learned of Wagner's death. For 10 points each:

[10] Name this 19th century Austrian composer who frequently revised his work, leading to contradictions between different versions of his symphonies. His third and fourth symphonies are the “Wagner” and the *Romantic*.

ANSWER: Anton **Bruckner**

[10] Bruckner died before he completed the last movement of his symphony of this number. Dvorak's symphony of this allegedly cursed number is commonly known as the *New World* Symphony.

ANSWER: Symphony No. **9** [or **Ninth** symphony]

[10] Knowing he would soon die, Bruckner suggested using his setting of this hymn as the finale of his ninth symphony. This hymn, attributed to St. Ambrose, opens with “We praise thee, O God.”

ANSWER: **Te Deum** [or **A Song of the Church**]