TOSSUPS

1. Since it is a dangerous process, smiths who forge traditional bronze instruments in this country often ritually assume the guise of the culture hero Panji. One ethnic group in this country produces a style of music called *kebyar,* which translates as "the flowering of music." Women partake in an elegant dance in this country known as *srimpi,* often within a *pendopo* pavilion. Instruments from this country include the zither-like *kacapi* and the stringed non-Indian *siter,* which is unusually tuned to both the *slendro* pentatonic scale and the *pelog* heptatonic scale. A form of song in this country often begins with a *buka,* which may be played by a two-string fiddle called a *rebab.* A *pesindhèn* singer is part of an ensemble of music, which consists of the *gambang* - that is played with a mallet, as well as knotted *gongs.* For 10 points, name this country whose repertoire includes the *gamelan,* which people play on Sumatra and Java.
ANSWER: Republic of **Indonesia**

2. As described in the book *De Nugis Curialium,* one of this man's most loyal followers was questioned by Walter Map, and ridiculed when he claimed that he believed in the mother of Christ, because it was not proper to profess belief in a non-member of the Trinity. An anonymous chronicle says this man repented his sins after hearing a sermon about how St. Alexius died a blessed death, though the account of his conversion by Stephen of Bourbon does not tell that story. He sent a delegation to Pope Alexander III, who refused to legitimize his teachings, which were shortly thereafter condemned at the Council of Verona by Pope Lucius III. This man's followers were often called Sabotiers or Insabbatati for their habit of wearing wooden shoes, though they called themselves the "Poor Men of Lyon," and they preached as peddlers in the Provencál dialect. For 10 points, name this wealthy merchant who became a beggar, and founded a namesake religious sect that co-existed with the Cathars in southern France.
ANSWER: Peter **Waldo** [or Peter **Valdo**; or Peter **Valdes**; or Peter **Valdesius**; or Peter **Waldes**; or Pierre **Vaudés**; or Pierre **de Vaux**]

3. Correlations using this quantity were extended by Halm and Stiel using a similarly-defined quantity which represents polarity. The first Mathias-Copeman constant and the kappa parameter in the PRSV equation are defined as polynomials in terms of this quantity. The saturation vapor pressure and several other parameters can be modeled as linear functions of this quantity using the Lee-Kesler method. This quantity is the third parameter in the 3-parameter theorem of corresponding states. The alpha functions which appear in the Soave modification and the Peng-Robinson equation are functions of temperature and this quantity. It is defined as negative 1 minus the log of the reduced pressure evaluated at a reduced temperature of 0.7. Developed by Pitzer, for 10 points, name this quantity which measures deviations from ideal-gas behavior due to the fact that molecules are not spherical.
ANSWER: **acentric** factor [or **acentric**ity; prompt on "**Pitzer** factor"]

4. A character in this novel folds his newspaper into a beak around his nose, then jumps out from behind a tree at his grandson, who he then calls a coward. Another of its characters finds a snake choking on a large toad and stomps them to death, while a third character imagines rhododendron forests while reading her *Outline of History.* One of this novel's main characters fantasizes about the farmer Rupert Haines and has an enjoyable conversation after going to the greenhouse with William Dodge. A group of people rush in carrying mirrors at the end of the central event of this novel, which consecutively depicts the Elizabethan era, the Age of Reason, and the Victorian Age, and is directed by Miss La Trobe. This novel is set at Pointz Hall, the home of the Oliver family, whose scion Giles cheats on his wife Isa with Mrs. Manresa. For 10 points, name this novel set during a pageant about the history of England, the final completed work of Virginia Woolf.
ANSWER: **Between the Acts**

5. In a late chapter of this book, the narrator recounts his struggle to realistically imagine Emperor Augustus's transition from manhood to divinity while writing a play about his apotheosis. This book recounts an incident in which the narrator watches a farce about a japim bird for four consecutive hours, which he compares to Igor Stravinsky's *Les Noces*. After entering a hotel in Goiânia, this book's narrator imagines being transported on a "magic carpet" to Karachi, where he contemplates his malaise on the poorness of India. While travelling on a ship from Marseilles to Brazil, the narrator of this book stylistically describes a sunset to demonstrate that a poetic spirit is a crucial element of ethnography.The line "I hate travelling and explorers" opens this travelogue analyzing the Bororo and Tupi peoples. For 10 points, name this work, which was translated into English as *A World on the Wane* and was written by Claude Lévi-Strauss.
ANSWER: **Tristes Tropiques** [or **Sad Tropics**; or A **World on the Wane** until it is read]

6. According to one account, two soldiers from this city named Chromios and Alcenor emerged as the only men alive after 300 of its soldiers fought against 300 soldiers of another city - however, because Othryades stood his ground, this city lost that battle, and as a result, its residents all cut their hair short in mourning and prohibited any gold jewelry from being worn. This city's army was massacred in a grove after the Battle of Sepea, leading the poetess Telesilla to put on a helmet and gather up women and children to fight for this city. This city was victorious at the first Battle of Hysiae, during its rule by the tyrant Pheidon. The king of Epirus, Pyrrhus, was allegedly killed when an old woman from this city threw a tile off her rooftop. This city had its port at Nauplia, and was home to the Heraion temple. For 10 points, name this Peloponnesian city-state just to the northeast of its rival Sparta.
ANSWER: **Argos**

7. In one paper, this philosopher examines the sentences "There is a goldfinch in the garden" and "There's a bittern at the bottom of the garden" to consider the possibility of distinguishing mental and physical states. In another paper, this philosopher compared the acts of feeding penguins poisonous peanuts and throwing glass shards on a sidewalk to maim a pedestrian to differentiate between purposely acting, deliberating acting and intentionally acting. A posthumous work by this author of "Three Ways of Spilling Ink" and "Other Minds" is a series of lecture notes titled "Problems of Philosophy" compiled by Geoffrey Warnock. Those notes distinguish between qualitatively delusive and existentially delusive perceptions and refute sense-data theories found in another author's *Foundations of Empirical Knowledge*. For 10 points, name this ordinary language philosopher who wrote *Sense and Sensibilia*, and proposed a theory of performative utterances in "How to Do Things with Words."
ANSWER: John Langshaw **Austin**

8. In one scene, members of this family are assisted by a stranger who uses a hairpin to kill multiple spiders in a cage of fireflies. The final line of the novel comments on the prolonged diarrhea of one of these characters that lasts until the 26th. In an early chapter, this family dines with the Kyrilenkos and discusses Communist China with them. This family lives next to the Stoltzes, who return to their native Germany before World War Two starts. While at a sewing school, a member of this family is saved from a flood by a photographer who dies from surgical gangrene brought about by complications of an ear infection. One of these characters, who is affectionately called Koi-san, eloped with Okubata before becoming attracted to the photographer Itakura. That one, Taeko, patiently waits for another member of this family, Yukiko, to get married. For 10 points, name this family whose members include a quartet of siblings that title a novel by Junichiro Tanizaki.
ANSWER: the **Makioka** family [or the **Makioka** sisters]

9. This battle occurred at a manor owned by Richard Hussey, after the local abbot Thomas Prestbury attempted to negotiate peace between the armies, and Hussey later applied for a license to build a chapel on the site in honor of the fallen soldiers. After one participant in this battle received an arrow to the skull, the physician John Bradmore is said to have poured honey into the wound and invented a pair of tongs to extract the arrow. The Earl of Stafford was killed and his right wing fled the field, under attack from archers recruited from Cheshire, while the royal standard bearer Sir Walter Blount was mistaken for the king and killed. The losing commander here had turned on the king for not ransoming his brother-in-law Edmund Mortimer, and was supported by his uncle, the Earl of Winchester, but sadly did not receive any troops from Owen Glendower. For 10 points, name this 1403 battle in which Henry Percy, also known as Hotspur, was defeated by the Lancastrians under Henry IV.
ANSWER: Battle of **Shrewsbury**

10. It's not a quantum dot, but the Mollow triplet was first observed in the fluorescence spectrum of a system of this type driven by a laser. For a system of this type, the equations of motion for the density matrix are the optical Bloch equations. The interaction between this type of system and a single mode of an electromagnetic cavity is described by the Jaynes-Cummings model. Under certain conditions, the probability of a non-adiabatic transition in this type of system is given by the Landau-Zener formula. When a system of this kind is excited with a sinusoidal perturbation, such as laser light, it will undergo periodic transitions known as Rabi oscillations. In a system of this kind, the probability of absorption can never be higher than the probability of stimulated emission, so achieving population inversion is impossible. The spin states of a spin-1/2 atom are an example of, for 10 points, what type of quantum system consisting of a ground state and a single excited state?
ANSWER: **two-level** system [or **two-state** system; or **two-level** atom; prompt on "**atom**"]

11. H.W. Janson discovered a portrait of a woman on the back of one version of this painting, which he identified as the artist's cousin Anna Landolt. This painting was popularized in England when an engraving of it was included in the text of Erasmus Darwin's *The Botanical Garden*, which has a frontispiece made by this work's artist. The most notable version of this painting features yellow drapery with gray lines, which were painted without regard to illusionistic depth. The Basel version of this painting features a statuette of a naked man and woman engaged in erotic activity on a dresser, while the Frankfurt version repositions the vials on a nightstand to be in front of a mirror. This painting, which provided the model for its artist's illustration of *Paradise Lost* titled *The Shepherd's Dream*, features an ethereal horse poking its head through some curtains, as well as an incubus on top of an erotically posed woman. For 10 points, name this Romantic masterpiece of Henry Fuseli.
ANSWER: The **Nightmare**

12. This author berated a "vile crew" for having left "no altars, fanes undesecrate" because "no deed's too foul for you!" in a poem inspired by a monument to one of his countrymen. A character who is disappointed to learn that "the life of the universe is a perpetual circle of production and destruction", and thus nothing in the world can be free from suffering, is eaten by lions at the end of this author's "Dialogue Between Nature and an Icelander," one of his *Small Moral Works*. The Jonathan Galassi translation of one of this man's poems begins by describing a "lonely hill" that "was always dear to me" and imagines a "depthless calm" in which the poet's mind sinks, noting "floundering is sweet in such a sea." He wrote "When truth appeared, you fell, poor one" in a poem which asks the title woman "do you recall those days of mortal life when beauty sparkled in your quick and gleaming eyes[?]" For 10 points, name this Italian Romantic poet of "L'Infinito", whose many *Canti* include "To Silvia."
ANSWER: Giacomo **Leopardi** [or Giacomo Taldegardo Francesco di Sales Saverio Pietro **Leopardi**]

13. With Theodore Walraven, this scientist proved that the light of the Crab Nebula was polarized by an incredibly strong magnetic field from within it. An estimate of the local mass density that is implied by the movement of stars is known as this man's namesake limit. In a 1927 paper, this scientist proved one of Bertil Lindblad's hypotheses when he used the differential motion of stars to propose a mathematical framework that assumes the existence of a globular cluster at the center of the Milky Way; in doing so he derived a quantity that scales with the azimuthal shear and another quantity that scales with vorticity, which are his namesake constants. Richard Mueller hypothesized the existence of Nemesis, a star that would cause mass extinctions when it perturbs a region named for this man. Ernst Öpik theorized that long period comets originated in that region named for this scientist, which is comprised of icy planetesimals. For 10 points, long term comets originate from what Dutch astronomer's namesake "cloud?"
ANSWER: Jan Hendrik **Oort**

14. During one incident in this state, three thousand men secretly marched to the capitol to read a declaration of war to governor William Glasscock, leading him to declare martial law - the causes of that event were investigated by the Kern Resolution. During another incident in this state, Mayor Cabell Testerman refused to accept a bribe to place machine guns on the roof of his jewelry shop, and Ed Chambers was shot dead while walking in a courtroom, leading a group to present a list of demands to governor Ephraim Morgan. After the death of Albert Felts in this state led to a trial where his killer was acquitted, a standoff occurred between Don Chafin and men led by Bill Blizzard. This state witnessed confrontations at Paint Creek and Cabin Creek in 1912, as well as the Battle of Blair Mountain and the Matewan Massacre. For 10 points, name this state whose Logan County was a hotbed for standoffs involving the United Mine Workers, who protested at its capital of Charleston.
ANSWER: **West Virginia**

15. The sight of one of these figures transforming into a parrot caused Vyasa to ejaculate onto a stick, leading to the birth of his parrot-headed son Shuka. In the *Mahabharata*, Vishwakarma created another of these figures that stopped the rampage of Sunda and Upasunda. Ghritachi and Tilottama are two of these figures, another of whom was given a jar filled with Mitra and Varuna's semen. Though the *Manu Shastra* state that the first thirteen of them were created to accompany the first seven Manus, other sources state that they were born from the union of Arishta and Kasyapa. Most accounts state that they were born as a result of the Churning of the Ocean. These inhabitants of Devaloka were married to the musically-skilled gandharvas, and their number includes the very beautiful Urvashi, who seduced King Puravanas. For 10 points, name these celestial dancing nymphs of Hindu mythology.
ANSWER: **apsara**s [or **apsarasa**s]

16. Near the end of this story, the "Man in the Moon" says "Oho, the old Earth is frolicsome to-night!" after hearing a "far bellow" of laughter. The main character of this story offends a man whose speech is constantly punctuated with a pair of "sepulchral hems." Its protagonist is suspected of being the escaped bondservant Hezekiah Mudge when he poses a question to an innkeeper. This story opens by describing the misfortunes of six governors in the last forty years, and closes with its main character being told that he might be able to "rise in the world" without the title figure. Its action begins with the protagonist disembarking a ferry with his oak cudgel. The protagonist eventually meets a man with two protrusions on his forehead whose face is painted half-red and half-black, who predicts the arrival of a procession including the title character. For 10 points, name this Nathaniel Hawthorne story in which Robin eventually meets the titular tarred-and-feathered relative.
ANSWER: "**My Kinsman, Major Molineux**"

17. A piano concerto by this composer features a middle Larghetto movement in G major and does not employ any strings. This composer's unusually scored works include a double concerto for piano and violin in G Major, as well as a mandolin concerto for Bartholomeo Bortolazzi. His B minor piano concerto is the best known of his eight piano concerti, and heavily influenced the piano concerti of Chopin. This composer re-arranged his own D minor piano septet for piano, violin, viola, cello, and double bass, a lineup that inspired the instrumentation of Franz Schubert's *Trout Quintet*. A concerto by this composer is usually played today in the key of E flat instead of its original E, and, like Joseph Haydn's work of the same type, was composed for Anton Weidinger. For 10 points, name this Austrian pupil of Mozart who composed a still-performed trumpet concerto and wrote a "Complete Theoretical and Practical" manual for playing the piano.
ANSWER: Johann Nepomuk **Hummel**

18. Near the end of this essay, the author bemoans that "old medieval theories of protection and personal dependence" have been mixed with "modern theories of independence and individual liberty," causing a double harm. It begins by pointing out that runaway horses cause more damage than floods, and consumption kills more people than yellow fever, but newspapers only care about public calamities. It first appeared in print as the last entry in a namesake book, after the essay "The Cooperative Commonwealth" - that book was edited by the author's student Albert Galloway Keller. The author writes that "vice is its own curse" and that nature left alone cures vice, because "a drunkard in the gutter is just where he ought to be." This essay repeatedly posits figures dubbed "A" and "B" who try to pass laws to help the suffering, but in doing so, they only burden the title figure, an honest laborer. For 10 points, name this essay by William Graham Sumner, which praises a figure that society never thinks about.
ANSWER: "The **Forgotten Man**"

19. Erik Jarvik reclassified these organisms as members of the less-complex holocephalians after examining the premaxillary bones of their skull roofs. The male members of the *Lepidosiren* genus of these animals develop vascularized filaments in their pelvic appendages so that they provide oxygen to their eggs. The *Protopterus*, but not the *Neoceratodus*, type of these sarcopterygians engages in estivation by creating a cocoon of mucus and burying itself in mud. The "marbled" African type of these animals has the largest known animal genome, while the South American type of these so-called "living fossils" possess two of the namesake structures, which it uses in place of gills during certain times of the year. For 10 points, name these most primitive living fish, which are able to sustain themselves by consuming oxygen from air.
ANSWER: **lungfish** [or **salamanderfish**; or **dipnoi**; or **barramunda**]

20. One member of this clan was exiled from its domain but allowed to return after the rise of its daimyo Nariakira, whose stepmother Yura promoted her son Hisamitsu as lord of this territory, and allegedly cast black magic on Nariakira's heirs. That member of this clan, Okubo Toshimichi, was a great diplomat who forged a secret alliance with its longtime rival, led by Kido Koin. This clan was plunged into war by the Namamugi Incident, in which one of its retainers killed the merchant Charles Lennox Richardson. After forming a secret pact with Choshu, this domain opposed the shogun at Toba-Fushima. This clan's stronghold Kagoshima Castle was shelled by the British navy in a namesake war in 1863. This clan, which conquered the Ryukyu Islands and made them pay tribute, was also led by a figure defeated at the Battle of Shiroyama, the enormously fat samurai Saigo Takamori. For 10 points, identify this domain that was the namesake of an 1877 rebellion against the Meiji government.
ANSWER: **Satsuma** domain or clan [or **Shimazu**; or the **Kagoshima** Domain until "Kagoshima" is read; the war referred to is the "Anglo-Satsuma War of 1863"]

Tiebreaker

21. In a protein that regulates the transport of this element, it is bound by an aspartate, a histidine, and two tyrosine residues inside an N-lobe and a C-lobe. Along with two phosphorus atoms, this heteroatom is found in the center of a Josiphos ligand. A high binding affinity for this element is possessed by enterobactin, which is an example of a siderophore. Several proteins which regulate the metabolism of this element contain a specific stem-loop motif in their mRNA transcripts known as this element's namesake "response element." This element is found in the center of cytochrome c, and it is surrounded by a tetrapyrrole group in a certain cofactor. This element is sandwiched between two cyclopentadienyl ligands in a compound which is the prototypical example of a metallocene. For 10 points, name this element which forms namesake clusters with sulfur in several proteins and is found in the center of hemoglobin.
ANSWER: **iron** [or **Fe**]

1. The head of this woman's department at Columbia, Ralph Linton, reported her to the FBI for her communist leanings, causing her eventual dismissal from Columbia after she testified at McCarthy hearings. For 10 points each:
[10] Name this female anthropologist, a student of Franz Boas, who wrote a monograph on "Pawnee Life and Culture" entitled *The Lost Universe*.
ANSWER: Gene **Weltfish** [or Regina **Weltfish**]
[10] Weltfish co-authored a pamphlet for the U.S. Army entitled "The Races of Mankind" with this other female anthropologist, who's better known for works like *The Chrysanthemum and the Sword*.
ANSWER: Ruth **Benedict**
[10] This other Boasian anthropologist wrote on similar themes of gender and race in his works *The Natural Superiority of Women* and *Man's Most Dangerous Myth: The Fallacy of Race*. One of the first students of Malinowski, this man was born Israel Ehrenburg in a Jewish neighborhood in London.
ANSWER: Ashley **Montagu** [or Montague Francis **Ashley-Montagu**]

2. This poem claims that "luxury" is "more damaging than any foe" and notes that "we are now suffering the calamities of a long peace". For 10 points each:
[10] Name this poem that attacks the morality of women while advising its addressee not to marry. Its most famous line comes after the speaker recounts advice to "keep your women at home, and put them under lock and key."
ANSWER: **Juvenal**'s *Satire VI* [or **Juvenal**'s **six**th **satire**; or Decimus Junius **Juvenal**is in place of "Juvenal"; prompt on partial answers]
[10] In the tenth satire, Juvenal bemoans that the public no longer cares about government corruption, instead pointing out that the public is only satiated by these two things.
ANSWER: **bread and circuses** [or **bread and game**s; or **panis et circenses**; or **panem et circenses**]
[10] In the fourth of Juvenal's satires, the courtier Crispinus purchases a big one of these things for 6,000 sesterces, thus baffling Domitian's various counselors. Montanus suggests having potters make a giant vessel for it.
ANSWER: a big **fish** [or **mullet**; or **turbot**]

3. This instrument's repertoire includes Leon Boellmann's *Suite Gothique*. For 10 points each:
[10] Name this instrument, which is played by pressing foot pedals and using stops to admit wind to a set of pipes.
ANSWER: pipe **organ**s
[10] French Romantic organ composers often ended their organ symphonies with these pieces–for example, Charles-Marie Widor wrote one for the finale of his fifth organ symphony. Ravel included one as the final piece in his suite *Le Tombeau de Couperin*.
ANSWER: **toccata**s
[10] This German composer wrote three organ sonatas, as well as a B flat major symphony for concert band. The second movement scherzo of one of his orchestral suites adapts a Chinese melody originally used for incidental music to *Turandot*.
ANSWER: Paul **Hindemith**

4. Antibodies against this compound are present in the majority of patients with rheumatoid arthritis, allowing for the use of anti-CCP assays for diagnosis. For 10 points each:
[10] Name this compound that is produced alongside nitric oxide and NADP+ by the enzyme nitric oxide synthase.
ANSWER: L-**citrulline**
[10] Citrulline is generated from ornithine in one step in this cycle, which converts ammonia into a nitrogenous waste product which consists of two NH2 groups bonded to a carbonyl.
ANSWER: **urea** cycle [or **Krebs-Henseleit** cycle; prompt on "**ornithine** cycle"; do not accept "Krebs cycle"]
[10] The urea cycle is coupled to the Krebs cycle in a step where citrulline reacts with this compound to form arginino-succinate. This compound is converted to fumarate in the urea cycle, and the deamination of this compound produces oxaloacetate.
ANSWER: **aspartate** [or **aspartic acid**; or **Asp**; or **D**]

5. Answer the following about the quilombo communities of Brazil, for 10 points each.
[10] This most powerful quilombo, sometimes called Angola Janga, had a fortress at Macaco in the state of Alagoas and held out against the Portuguese until 1694, when it was taken over by Bernardo de Melo and others.
ANSWER: Quilombo dos **Palmares**
[10] The army of Palmares was rumored to fight using this Brazilian martial art technique. Its name seems to refer to the interior jungles of Brazil, and it involves a lot of dancing.
ANSWER: **Capoeira** ("kapu-eera")
[10] This leader of Palmares rejected the settlement offer of the Portuguese to relocate his settlement closer to the coast. He was finally betrayed and stabbed by Antonio Soares, and his head was taken to Recife to put on display in 1694.
ANSWER: **Zumbi**

6. According to the Hubbard model, this phenomenon is divided into "filling control" and "bandwidth control" types, which possess different critical exponents. For 10 points each:
[10] Name this phenomenon that occurs in certain strongly correlated systems such as nickel oxide and vanadium oxide. It occurs when the Coulombic interactions between electrons cause two energy bands to separate.
ANSWER: **metal-insulator transition** [or **MIT**, or **metal-nonmetal transition**, or **Peierls transition**, or **Mott-Hubbard transition**; or descriptive answers indicating a phase **transition** to a Mott **insulator** state; do NOT accept or prompt "Mott transition"]
[10] For the metal-insulator transition, this quantity has not yet been well-defined. This quantity for a phase transition is zero in one phase and non-zero in the other phase, and examples include the magnetization in a ferromagnet.
ANSWER: **order parameter**
[10] For a ferroelectric transition, the order parameter is this quantity's "density," which is the average electric dipole moment per unit volume. For an electromagnetic wave possessing the "linear" form of this property, the electric field oscillates in one direction.
ANSWER: **polarization**

7. According to one tale, Ometochtli was killed by Tezcatlipoca because, if he did not die, all persons who consumed this substance would have to die. For 10 points each:
[10] Name this substance that, according to Aztec myth, was first produced when the goddess Mayahuel turned herself into a tree to escape the star demons known as the Tzitzimime.
ANSWER: **pulque** [or **maguey**; or **agave** plant sap; prompt on "**alcohol**" or "**beer**"]
[10] The Tzitzimime demons were particularly likely to attack during the "five unlucky days " referred to by this Nahuatl term. People stayed in their houses during these "empty days" at the end of the Aztec calendar, so as to avoid attacks by vengeful spirits.
ANSWER: the **Nemontemi**
[10] Mayahuel had 400 breasts so that she could feed pulque to 400 of these animals called the Centzon Totochtin. In Chinese folklore, a jade one lives on the moon, while the Anglo-Saxon goddess Ostara had a pet one who delivered eggs, inspiring the Easter festival.
ANSWER: **rabbit**s [or **bunny**; or **hare**s; or obvious equivalents]

8. In protest of this event, several men performed an action called the "Aventine Secession," in which they withdrew from the Chamber of Deputies. For 10 points each:
[10] Name this event which saw a namesake politician get kidnapped and stabbed to death in a car, after he wrote a book entitled *The Fascisti Exposed: A Year of Fascist Domination*.
ANSWER: **Matteotti** Crisis [or the murder/kidnapping of Giacomo **Matteotti**; or obvious equivalents]
[10] This man and his secret police force, the Ceka, was rumored to be behind the murder. His fascist party was granted majority power by the Acerbo Law, a year after his March on Rome.
ANSWER: Benito **Mussolini**
[10] Almost a century earlier, these founders of the secret society Esperia tried to march on Cosenza to liberate prisoners and were betrayed by Pietro Boccheciampe, after which they and their nine companions were executed while shouting "Viva L'Italia!" in 1844.
ANSWER: **Bandiera** brothers [or Attilio and Emilio **Bandiera**]

9. The company led by this man gained fame for their productions of Wyspiański's ("visp-yan-ski's) *Akropolis* and Slowacki's ("swo-vat-ski's") version of Calderon's *The Constant Prince*. For 10 points each:
[10] Name this influential European theater director, who suggested that actors develop a "physical score" of their characters. He outlined his Stanislavski-inspired philosophy involving the rejection of complex staging in his manifesto *Towards a Poor Theatre*.
ANSWER: Jerzy **Grotowski** ("yer-zy grow-toff-ski")
[10] Jerzy Grotowski is from this modern European country. The first literary Nobel Laureate it produced wrote a historical trilogy beginning with *With Fire and Sword*, and was named Henryk Sienkiewicz ("sin-kay-vich").
ANSWER: **Poland** [or the Republic of **Poland**; or Rzeczpospolita **Polska**]
[10] Grotowski's company also produced a famed version of *Dziady*, a drama by this member of Poland's "Three Bards" who also wrote the national epic *Pan Tadeusz* ("pahn ta-day-oosh").
ANSWER: Adam **Mickiewicz** ("mits-kay-vich") [or Adam Bernard **Mickiewicz**]

10. This man's autobiographical film, *Blue*, is a single shot of the title shade as various people meditate on the director's impending death by AIDS. For 10 points each:
[10] Name this homosexual experimental filmmaker whose other works include a treatise on color called *Chroma* and a film in which Elizabeth I is transported to the modern age, *Jubilee*.
ANSWER: Derek **Jarman**
[10] This British actor came out of retirement to act in Jarman's *War Requiem*. He acted and directed in *Hamlet* and many other Shakespeare movies, and played Christian Szell in *Marathon Man*.
ANSWER: Laurence **Olivier**
[10] The visual style in Derek Jarman's *Caravaggio* is based partly on the Edwardian flavor of the heritage films made by this director / producer combo, whose movies include *A Room with a View* and *The Golden Bowl*.
ANSWER: Ismail **Merchant** and James **Ivory** [accept names in either order; or **Merchant Ivory** productions]

11. This man, who was appointed Minister to Portugal by Franklin Pierce, wrote about how he used the Fox Sisters to conjure up the spirit of William Shakespeare to sing to his dead mother. For 10 points each:
[10] Name this editor of the "Democratic Review" periodical who coined the term "manifest destiny" in several articles, such as "The Great Nation of Futurity" and his essay calling for annexation of Texas.
ANSWER: John L. **O'Sullivan**
[10] In his opening editorial, O'Sullivan wrote that "the best government is that which governs least," a quote later borrowed by this transcendentalist for his essay "Civil Disobedience."
ANSWER: Henry David **Thoreau**
[10] O'Sullivan was put on trial after he supported the expedition of this man, who took about 600 people on a trip in 1850 to seize the city of Cárdenas carrying a flag that was later adapted into the modern flag of Cuba. This man quickly hightailed it back to Key West after the Spanish Cuban population attacked him.
ANSWER: Narciso **López** [or Don Narciso **López** y Urriola]

12. This book argues that modern civilizations drive toward the technological domination of the modern world while ignoring high-consequence, low-probability catastrophes. For 10 points each:
[10] Name this 1986 best-seller of sociologist Ulrich Beck, which argues that civilizations who fail to address environmental concerns are examples of the title group.
ANSWER: **Risk Society**: Towards a New Modernity
[10] In the foreword to a reissue of *Risk Society*, Beck cites this 1986 disaster affecting Pripyat as a dangerous, foreseeable event that risk societies choose to ignore.
ANSWER: **Chernobyl** disaster
[10] Ulrich Beck's theory of 21st century sociology called "reflexive modernity" drew upon this other thinker's concept of a post-industrial society, which he discussed in *The Coming of Post-Industrial Society*. He also wrote *The End of Ideology*.
ANSWER: Daniel **Bell**

13. This phenomenon is used in a namesake form of therapy in which compounds like DMSA and EDTA are used to remove toxic metals like lead, mercury, or cadmium from the body. For 10 points each:
[10] Name this phenomenon in which a ligand is polydentate, which means that it binds to a metal center in more than one location.
ANSWER: **chelation**
[10] Chelates of this element are commonly used as MRI contrast agents, since this lanthanide is highly paramagnetic.
ANSWER: **gadolinium** [or **Gd**]
[10] While the denticity of a ligand is designated with the letter kappa, this letter is used to designate the number of metal centers bound to a bridging ligand.
ANSWER: **mu**

14. The proposals of the newspaper editor Walter Reeves are repeatedly turned down by Alice, the daughter of the title character of this man's novel *Jason Edwards*. For 10 points each:
[10] Identify this American author who championed a brand of realism called "veritism" in his manifesto *Crumbling Idols*.
ANSWER: Hamlin **Garland** [or Hannibal Hamlin **Garland**]
[10] This 1891 collection of stories and sketches by Garland isn't part of his Middle Border series, but it does include "Up the Coolly" and the the the oft-anthologized "Under the Lion's Paw".
ANSWER: **Main-Travelled Roads**
[10] During a stay in Boston, Garland was heavily influenced by this fellow American author of such works as *A Chance Acquaintance* and *A Hazard of New Fortunes*.
ANSWER: William Dean **Howells**

15. This man wrote about the "numinous" experience, in which the transcendent Other appears as a "mysterium tremendum et fascinans," or a mystery which is both terrifying and fascinating. For 10 points each:
[10] Name this German theologian who wrote about those concepts in his 1917 book *The Idea of the Holy*.
ANSWER: Rudolf **Otto**
[10] In this work subtitled "The Nature of Religion," Mircea Eliade builds upon Otto by defining the numinous as an experience for which "homo religiosus" thirsts. The first title concept of this work is manifested as a hierophany, or as a myth penetrating into the world.
ANSWER: The **Sacred and the Profane**
[10] This Christian apologetic writer of *Mere Christianity* referenced the fear inherent in numinous experiences in his *The Problem of Pain*, and also wrote *The Screwtape Letters*.
ANSWER: Clive Staples **Lewis**

16. The performance of these tools can be increased by adding indexes to their various columns. For 10 points each:
[10] Name these collections of information that are usually accessed using a query language, such as SQL.
ANSWER: relational **database**s
[10] This property is the "A" in the ACID list of desirable database properties and guarantees that partial actions do not occur. More generally, this term describes operations like semaphore locking, which cannot be interrupted.
ANSWER: **atomic**ity
[10] These kinds of databases tables contain fields from other database tables. Their purpose is to establish "many-to-many" relationships in a database.
ANSWER: **junction** tables

17. George Washington owned and annotated a copy of this historian's treatise, which contains such pithy maxims as "if you want peace, prepare for war" and "an army unsupplied with grain will fall without a single blow." For 10 points each:
[10] Name this fourth century AD Roman military expert who wrote *Rei Militara Instituta*, or "The Military Institutions of the Romans."
ANSWER: Publius Flavius **Vegetius** Renatus
[10] Vegetius writes that the Liburnian galleys first distinguished themselves at this battle in 31 BC, where Marcus Agrippa commanded Octavian's fleet to victory over Antony and Cleopatra.
ANSWER: Battle of **Actium**
[10] Sometimes called the last major Roman historian, this other 4th century AD writer is, along with the Greek Zosimus, the source for the Battle of Adrianople. The eighteen extant books of his history cover the period from 353 to 378, including his time as commander for Emperor Julian, and ending with the death of Valens.
ANSWER: **Ammianus** Marcellinus [or **Ammian**]

18. This artist created the first "simultaneous book," in which floods of color swirl across the pages, in her illustration to Blaise Cendrars' *Prose of the Trans-Siberian and of Little Joan of France.* For 10 points each:
[10] Name this Ukrainian-born French artist whose husband Robert created an image of the sun and the moon titled *Simultaneous Contrasts.*
ANSWER: Sonia **Delaunay** [or Sonia **Terk**; or Sarah Ilinitchna **Stern**]
[10] This avant-garde movement, championed by Robert and Sonia Delaunay, emphasized the use of cubic forms and shimmering colors.
ANSWER: **Orphism** [or **Orphic cubism**; prompt on "**cubism**"]
[10] In 1913, Stanton Macdonald-Wright and Morgan Russell, started this art movement in which colors were analogized to music. it is exemplified by their canvases *Abstraction on Spectrum* and *Cosmic Symphony*.
ANSWER: **Synchromism** [or word forms]

19. The final book about this fictional family is 2001's *Birthday*, which is the last appearance of a character that had first appeared in its author's third novel, *Key to the Door*. For 10 points each:
[10] Name this family that includes Brian, who is diagnosed with tuberculosis in 1989's *The Open Door*, and his younger brother, who has affairs with the sisters Brenda and Winnie while working at a bicycle factory.
ANSWER: the **Seaton** family [or Brian **Seaton**; or Arthur **Seaton**]
[10] The aforementioned younger brother Arthur Seaton stars in this novel, which opens with Arthur winning a drinking contest during one of the title "fifty-two holidays ... of the year".
ANSWER: **Saturday Night and Sunday Morning**
[10] *Saturday Night and Sunday Morning* is the debut novel by this author of the novella *The Loneliness of the Long-Distance Runner*.
ANSWER: Alan **Sillitoe**

20. This essay notes that the title objects move the earth itself into the "open of the world" and that it lets the "world be a world." For 10 points each:
[10] Name this essay, which appears in *Off the Beaten Track*, that analyzes the essence of the title objects. It contains an analysis of Vincent van Gogh's depiction of a pair of shoes and a passage discussing the merits of a Greek temple.
ANSWER: "The **Origin of the Work of Art**" [or Der **Ursprung des Kunstwerkes**]
[10] In "The Origin of the Work of Art," Heidegger discusses this "circle" in the context of aesthetics, and asks whether an artwork makes the artist or the other way around. This discipline is defined as the art of interpreting texts.
ANSWER: **hermeneutics**
[10] In "The Origin of the Work of Art," Martin Heidegger uses this Greek term to refer to the unconcealed nature of the world. Heidegger argued that a Greek temple, or any work of art, allows human beings to contemplate this concept.
ANSWER: **aletheia**