Tossups

1. **The price offer curve is constructed from a set of points tangent to these curves, and the contact curve goes through the points at which two of these curves are tangent to each other. The marginal rate of substitution is equal to the negative of the slope of these curves, and they are drawn with respect to the bottom left and top right of an** (*) Edgeworth Box. These curves, which give the level curves of the utility function, are L shaped in the case of perfect complements, but they are usually convex. A standard type of optimization problem gives a point on one of these curves tangent to a given budget line. For 10 points, name these curves that show the bundles of goods over which an agent has no preference.
ANSWER: **indifference** curves

2. **This author created a man who visits his uncle with a huge set of hunting gear and a private letter that declares his father's bankruptcy and explains that he plans to commit suicide. Later in that novel, Charles gets a loan for his trading business from a woman to whom he gives a gold cabinet, though that woman returns the cabinet and marries a Cruchot. This author wrote of a middle-aged spinster who finally falls for Wenceslas Steinbock, only to see him get married to** (*) Hortense Hulot. At the end of another novel by this man, two paid mourners and a servant are the only other people at the title vermicelli maker's funeral other than Eugene de Rastignac. This author of *Cousin Bette* wrote a work with sections titled "Scenes from provincial life" and "Scenes from private life." For 10 points, name this author who included *le Pere Goriot* in his *La Comedie humaine*.
ANSWER: Honore de **Balzac**

3. **One character in this play is woken up to see the "Revolution," but that character just starts singing the Carmagnole; at the end of the play, that character again sings the Carmagnole after a different man calls the police on himself, which causes Moran and Lieb to arrest him. Another character in this play commits suicide by jumping off a fire escape after being told to do so repeatedly, and some girls decide that if they are whores then** (*) Rocky must be a pimp, which causes Rocky to slap Pearl and Margie, two of his "tarts." In this play, the mother of Don Parritt was once a lover of Larry Slade who keeps himself detached from the drunken antics of the other characters. For 10 points, name this play in which Hickey attacks the pipe dreams of the other people in Harry Hope's saloon, which was created by Eugene O'Neill.
ANSWER: The **Iceman Cometh**

4. **A humanoid monster that resembles this animal in the mythology of the Philippines is the Tikbalang. In Korean mythology, the Chollima is one of these animals. In Chinese mythology, the third son of the Dragon King of the West Sea is best known for taking a white-colored form of this animal and is called the Bailongma. Some of these animals owned by Rhesus are stolen in the (*)** *Doloneia*. Peleus and Thetis got two talking examples of these animals at their wedding. The *Iliad* describes many heroes, but most notably Hector, as a "breaker" of these animals that include Balius and Xanthus. In a story from Norse myth, a ploy to delay some construction work at Asgard leads to Loki giving birth to one of these animals. For 10 points, name these this species that includes Odin's eight-legged Sleipnir and Bellerophon's winged Pegasus.
ANSWER: **horse**s [or **Equus** Ferus Caballus; or **ma** before "Chollima"]

5. **Immediately after this country entered its last war its chief of the general staff encountered his worst-case scenario: having sent this country's reserves south by a single rail line, he was unable to redirect them northwards until they already arrived. The only overseas colony of this country was a concession at Tianjin gained after its forces participated in the Eight Nation Alliance. For census purposes, this country was**

divided into **(*)** Cisleithania and Transleithania. This country's constitution was redebated every 10 years. Finance, foreign affairs, and war were the three joint ministries in this country formed by an 1867 compromise called the *Ausgleich*. It was dissolved by the 1919 Treaty of St. Germaine-en-Laye and the 1920 Treaty of Trianon after it was defeated in the First World War. For 10 points, name this country that was ruled by Emperor Franz Josef I as a Dual Monarch.
ANSWER: **Austria-Hungary** [or **Austro-Hungarian** Empire/Monarchy; or **k.u.k.** monarchy; or **Danube Monarchy**;or **Imperial and Royal Empire**; or **Kingdom and Lands Represented in the Imperial Council and the Lands of the Holy Hungarian Crown of St. Stephen**; or ***kaiserlich und königlich***; or **k. und k.**; or **k. & k.**; or ***cs. és k***.; or ***Österreichisch-Ungarische*** Monarchie; or ***Osztrák-Magyar*** Monarchia; prompt on "Austrian Empire"; do not prompt on "Hungary"]

6. **The prelude to this opera begins with a three beat pickup as the double reeds and strings play a slow A flat arpeggio to begin the love feast motif. Because of the confusion at the premiere of this "Stage consecrating festival play," some audiences do not applaud after the first act. In a climactic scene, one character exclaims his desire to die in "Mein Vater! Hochgesegenter der Helden!" The Dresden Amen is used for the Good Friday Spell and another motif in this work, which tells of how a young boy (*)** shoots down a swan in Monsalvat. Kundry tries to seduce the title character who resists, and then, when Klingsor tries to kill him, he catches the Holy Spear. For 10 points, name this opera about a knight who heals Amfortas's wound and uncovers the Holy Grail, composed by Richard Wagner.
ANSWER: ***Parsifal***

7. **This city's Union Bankers Building was the site of a Knights of Pythias temple designed by William Sidney Pittman and is located in one of its art districts, Deep Ellum. Lakes in this city include Bachman Lake and White Rock Lake. This city is the site of the Reunion Tower and it lies on the Trinity River, which isn't navigable to an ocean. One of this city's two largest airports is the largest hub for (*)** American Airlines, which is the sponsor of the sports arena that contains this city's hockey and basketball teams, and the other, Love Field, is the corporate HQ of Southwest Airlines. It is the larger of the two cities in the Metroplex; the other is Fort Worth. This city is the site of a Philip Johnson-designed John F. Kennedy Memorial. For 10 points, name this 3rd largest city in Texas after Houston and San Antonio, home to sports teams such as the NHL's Stars and the NFL's Cowboys.
ANSWER: **Dallas**, Texas

8. **The autocorrelation function is related by the Fourier transform to the spectral density of this quantity according to the Weiner-Kinchin theorem. In the relativistic limit, this quantity is proportional to the sixth power of the Lorentz gamma. One formula giving this quantity is integrated between two time periods in order to give the magnitude of the radiation reaction, and states that it is proportional to charge squared times acceleration squared. Those expressions are named for Lienard and (*)** Larmor. Equating the input and output value of this quantity is used to derive the mechanical advantage. This quantity is given by the integral of the dot product of force and velocity, or the derivative of work with respect to time. For 10 points, name this quantity measured in watts.
ANSWER: **power**

9. **This artist left an unfinished portrait of Anna Landolt on the back of one of his canvases; that work had a later version with an erotic sculpture of a man and a woman on the table that previously held only a mirror, book, and vial. In another work, the ghostly title figure raises her finger to her lips to hush a man who is yielding his weapons in (*)** *Lady Macbeth Seizing the Daggers*. This artist depicted a man sitting cross-legged with his long hair falling down into his lap in his *Silence*, while another work includes red curtains in the background, from which a demonic horse's head emerges. For 10 points, name this Swiss-born creator of a painting that shows

an incubus sitting on a white-clad sleeping woman, titled *The Nightmare*.
ANSWER: Henry **Fuseli**

10. **The intercommunal violence in this county included events such as the Bloody Christmas of 1963. This country has a widely successful Thalassemia screening program. This country is home to Sovereign Base Areas at locations such as Dhekelia. A 1974 coup in this country led by the EOKA-B paramilitary group deposed Makarios III and replaced him with pro-*enosis* Nikos Sampson, who was backed by the Regime of the (*)** Colonels. That coup prompted this country's northern neighbor to invade in Operation Atilla to enforce the 1960 Treaty of Guarantee; that invasion resulted in the collapse of the regime that had backed the coup. That invasion led to the abandonment of the resort city of Varosha in Famagusta and the establishment of the Green Line. For 10 points, name this Eastern Mediterranean island divided between Turkey and Greece.
ANSWER: Republic of **Cyprus** [do not accept "Turkish Republic of North Cyprus" or "TRNC"]

11. **Shepard's method is a multivariate form of this technique which uses inverse-distance weighting. Band-limited functions can be constructed as a sum of sinc ("sink") functions using the Whittaker-Shannon formula for doing *this*. Hermite's method of doing this incorporates derivatives. Chebyshev nodes are used alongside one method of doing this, which suffers from an oscillatory phenomenon around the interval (*)** endpoints; that is Runge's phenomenon. That occurs when using polynomials for this purpose, but can be avoided by using piecewise functions with smooth knots, known as splines. For 10 points, name this mathematical technique in which additional points are created inside the bounds of a known set of data points, often contrasted with extrapolation.
ANSWER: **interpolation** [prompt on "approximation" or "approximating a function"]

12. **This work states that a justified conqueror has dominion over those that opposed him, but not those who didn't. One section of this work quotes Richard Hooker at length to talk about the maxims of justice and charity. This work cites the example of a man eating from an apple tree to show that labor is what distinguishing common (*)** goods from private goods. This work was a follow-up to a work which refuted Robert Filmer's *Patriarcha*, and states that humanity begins in a state of perfect equality until conflicts over property arise. Its last section discusses how repeated abuses and the breach of trust can lead to the dissolution of government, which supposedly inspired the American Revolution. For 10 points, name this 1689 work of political philosophy by John Locke.
ANSWER: "**Second Treatise** of Government" [prompt on "Two Treatises of Government"]

13. **This poet wrote of "The melting voice through mazes running; Untwisting all the chains that ty The hidden soul of harmony," while another of this author's narrators wants to "Find out the peacefull hermitage, The Hairy Gown and Mossy Cell." This author wrote of a "half regain'd Eurydice" before stating, "Mirth with thee, I mean to live." In a poem, this author wrote of "that one Talent… Lodged with me useless" and closed with the line, "They also (*)** serve who only stand and wait." This author wrote a pair of poems beginning with the lines, "Hence loathed Melancholy," and, "Hence vain deluding joys," about a happy and thoughtful person, respectively, and one of his sonnets begins, "When I consider how my light is spent." For 10 points, name this author of poems like "Il Penseroso," "L'Allegro," and the sonnet "On His Blindness" as well as *Paradise Lost*.
ANSWER: John **Milton**

14. **A mixture of potassium hydroxide and this element's tetra-iodo form is used in a reagent used to detect ammonia, named for Nessler. A chloride of this element is the primary component of the saturated calomel electrode. A compound of this element and zinc is used in a gentle acid-medium reduction commonly applied after a Friedel-Crafts acylation. This element's dimethyl form was formerly used as an (*)** NMR standard, and

is known for seeping through the latex glove of Karen Wetterhan. The acetate of this element is used in a reaction to add an alcohol to an alkene in a Markovnikov fashion. This element, which is extracted from the ore cinnabar, is widely used in the preservative thimerosal. For 10 points, name this element formerly known as quicksilver, which is highly poisonous.
ANSWER: **mercury** [or **Hg**]

15. **This protein's C-subunits consists of a GXGXGXG motif important for helix packing. One section of this protein is named for its sensitivity to oligomycin. One domain of this protein is a hexamer containing 3 sets of alternating alpha and beta subunits. The mechanism of this protein was solved by affixing it to a glass plate and attaching a fluorescent actin molecule; that experiment revealed that its (*)** F1 domain rotates by 120 degrees while its F-oh base piece is transmembrane. This protein is central to Mitchell's chemiosmotic hypothesis, and is found in the inner mitochondrial membrane. For 10 points, name this rotor-shaped protein that converts proton gradients created by the electron transport chain into ATP.
ANSWER: **ATP synthase** [accept **Complex V**]

16. **This battle's traditional chronology was made in 1903 by James Henry Breasted. "The Official Report or Bulletin" described this battle in which Sherden bodyguards protected a leader saved by the Nearin division's arrival. Before this battle, two fake Shoshu deserters lied to one side's leader that the enemy army was in Aleppo, when they were already by the namesake city on the (*)** Orontes River. This battle was described in records at Hattusa and Karnak and involved one leader who only used chariots to attack the isolated Ra division. About sixteen years after Muwatallis II fought in this battle, his successors agreed to the oldest surviving written international treaty. For 10 points, name this 1274 BCE battle between the Hittites and Egyptian forces under Ramses II.
ANSWER: Battle of **Kadesh** [or Battle of **Qadesh**]

17. **This character wins the respect of a family by uncovering its prominent ancestor's cannibalism. She stays at Patty's Place to study at Redmond College, for which she won the Avery Scholarship. This character seeks to make friends with "kindred spirits" and she co-named Lover's Lane with Diana Barry, one of her "bosom friends." She spurns the apology of the boy who rescued her from a reenactment of Elaine's death because he had called her (*)** "carrots" at a school where she would later teach. After reaching her "Book of Revelation," this character agrees to marry Gilbert Blythe, whom she met shortly after Maria Cuthbert took her into her Avonlea home on Prince Edward Island. For 10 points, name this red-haired, orphan girl, created by Lucy Maud Montgomery, who lives at Green Gables.
ANSWER: **Anne** of Green Gables [or **Anne** Shirley; or **Anne** Blythe; or **Anne** of Avonlea, **Anne** of the Island, **Anne** of Windy Poplars, or **Anne** of Ingleside; or **A**nne **Shirley**; or **Mrs. Gilbert Blythe** until "Gilbert" and prompt afterwards; prompt on "Blythe" until "Gilbert" is read; prompt on "Shirley"]

18. **A biography of this man was written by his son-in-law James T. Austin. This man was kicked out of his state's constitutional convention after getting into a shouting match by Francis Dana. Like George Mason and Edmund Randolph, this man refused to sign the US Constitution at the Constitutional Convention. One action he signed off on inspired an Elkanah Tisdale cartoon showing his state gripped by a (*)** dragon. With CC Pinckney and John Marshall, this man was one of the three diplomats approached by agents of Talleyrand for a bribe as part of the XYZ affair. This man was the second vice president under James Madison. For 10 points, name this Governor of Massachusetts, whose attempted reshaping of Essex County led to the coining of a portmanteau of his name and "salamander" to describe electoral redistricting.
ANSWER: Elbridge **Gerry**

19. **One theologian from this country wrote an apocryphal history in which the crucifixion of Jesus took place during the life of Alexander the Great, called the *Alexandreis.* One theologian that held a university post in this country was known as *Doctor Irrefragibilis* and standardized the use of Peter Lombard's *Sentences* by dividing it into distinctions. Another theologian based here is the patron of beekeepers and heavily influenced an order that returned to strict (*)** Benedictine rule; that order, founded in this country, was the Cistercians. Another writer from this country attacked the casuistry of the Jesuits and supported Jansenism in his *Provincial Letters*. For 10 points, name this country, the home of Walter of Chatillon, Alexander of Hales, Bernard of Clairvaux and a writer who set up a namesake "wager" for believing in God, Blaise Pascal.
ANSWER: **France**

20. **One work of this type was criticized by Pierre Boulez who said, "Dodecaphony has more pressing duties than to tame a Bach chorale;" that criticism was directed at a work which referenced Bach's *Es ist genug*. The short andante *canzonetta* second movement of another work of this type has its ending marked *attacca subito* so as to move directly into the D major finale. A twelve-tone one of these compositions was commissioned by Louis Krasner and inspired by the death of (*)** Manon Gropius. One of these compositions was dedicated to "the memory of an angel" while another was dedicated to the composer's friend Joseph Joachim. For 10 points, identify these works, which include D major ones by Tchaikovsky and Brahms, which are written for a string soloist and orchestra.
ANSWER: **violin concerto**s [or **violin concerti**]

TB. **The protagonist of this novel is sent to decorate a cathedral for the feast of Corpus Christi; while at the cathedral, he recognizes a former lover who had earlier given the protagonist a lock of her hair. The protagonist of this novel had earlier been forced to relocate after the maid Elisa fell in love with him and revealed his affair with the mayor's wife; that affair is covered up by a fake letter from (*)** Valenod. The Abbe Pirard gets the protagonist of this novel a job as a secretary for a Marquis, whose daughter he impregnates and then plans to marry. However, he is unable to marry Mathilde, which motivates him to shoot Madame de Renal and get executed on the guillotine. For 10 points, name this novel about the Frenchman Julien Sorel, written by Stendhal.
ANSWER: The **Red and the Black** [or Le **Rouge et le Noir**]

Bonuses

1. This figure constructed a large statue collection that pointed to rebellious provinces. For 10 points each:
[10] Name this magician and necromancer who made a giant golden fly that ensured no real flies would trouble the inhabitants of Naples. He was once humiliatingly caught in a basket while trying to seduce a woman in a tower.
ANSWER: **Virgil** [or Publius **Vergil**ius Maro]
[10] An apocryphal story about Charles I says that he tried out the *sortes vergiliane* and ended up flipping to the passage this Queen of Carthage calls for an unknown avenger against Aeneas and then burns herself to death.
ANSWER; **Dido** of Carthage [or **Elissa**]
[10] Theologians claimed that Vergil predicted the arrival of this figure in his *Eclogue* 4, in which Pollio sings of a new golden age heralded by the birth of child.
ANSWER: **Jesus** [or **Christ**; or **God the Son**; prompt on "God"]

2. This character despises the history teacher, Miss Doris Kilman, as they compete for influence over Elizabeth. For 10 points each:
[10] Name this character who once rejected Peter Walsh's hand in marriage. Her story is paralleled by the story of Septimus, who commits suicide to avoid a doctor.
ANSWER: Mrs. **Clarissa** **Dalloway** [accept either underlined]
[10] This author's last novel, *Between the Acts*, is about a pageant at Bartholomew Oliver's house. She also wrote *Mrs Dalloway*.
ANSWER: Adeline Virginia **Woolf**
[10] This work by Woolf marked the early stages of her narrative experimentation. Readers learn that the main character is dead when Richard Bonamy and his mother, Betty Flanders, are looking through his belongings in the final chapter.
ANSWER: *Jacob's Room*

3. This law only applies when the incident light is monochromatic. For 10 points each:
[10] Name this law commonly used in spectrophotometers, which relates absorbance to path length.
ANSWER: **Beer**-Lambert-Bouger Law
[10] The Beer-Lambert law states that absorbance is equal to extinction coefficient times path length times this quantity. This quantity is the thing you actually want to find when using a spectrophotometer.
ANSWER: **concentration** of the sample
[10] This other quantity is equal to the ten to the power of negative one times the absorbance. Alternately, it is the ratio of I and I sub zero.
ANSWER: **transmittance** [or **T**]

4. This character leads a group that includes a man who decides he can become god by killing himself, and that member of this man's group later takes responsibility for the murder of Ivan Shatov. For 10 points each:
[10] Name this leader of a group of revolutionaries that includes Verkhovensky and Kirillov.
ANSWER: Nikolai Vsevolodovich **Stavrogin**
[10] The author of *The Possessed*, Fyodor Dostoyevsky, also wrote this novel about an unnamed narrator who tells of his life up to the point where he insults the prostitute Liza, who then leaves him in his apartment.
ANSWER: *Notes from Underground* [or *Notes from the Underground* or *Letters from the Underworld* or *Zapiskiiz podpol'ya*]
[10] Dostoyevsky is better known for this work about Dmitri, Ivan, Alexei, and Smerdyakov and the murder of their father, Fyodor.
ANSWER: The *Brothers Karamazov*

5. This branch of Islam was inspired by Ibn Taymiyyah and teaches that followers should emulate early Muslims according to Athari theology. For 10 points each:
[10] Name this branch of ultraconservative Islam that is considered to be even more conservative than the related Salafism.
ANSWER: **Wahhabi**sm
[10] Many Wahhabis refuse to openly subscribe to any specific school of Islamic jurisprudence, but their beliefs are very close to this very conservative school also followed by the related Salafis.
ANSWER: **Hanbali**
[10] Wahhabi is considered by some to be a branch of this largest sect of Islam. Unlike in Iran and Iraq, this sect makes up the majority of Muslims in most countries of the world.
ANSWER: **Sunni**

6. The *Libera me* of this piece was composed in honor of Rossini's death, but was later revised for this piece, which was instead composed for Alessandro Manzoni. For 10 points each:
[10] Name this piece with a famous "Ingemisco" in its *Dies irae* second section.
ANSWER: **Verdi's *Requiem*** [or ***Messa da Requiem***; accept answers that say both **Verdi** and **Requiem**; prompt on partial answer]
[10] Three of the four soloists at the premiere of Verdi's *Requiem* also performed at the premiere of this Verdi opera about an Ethiopian princess.
ANSWER: ***Aida***
[10] The *Sanctus* of Verdi's *Requiem* is a piece in this form for double chorus. Pieces of this type begin with a subject that is repeated by the different voices.
ANSWER: **fugue**

7. One important test of this theory involved measuring the half-life of the muon, and calculations in this theory are often done in Minkowski space. For 10 points each:
[10] Name this theory developed by Albert Einstein which explains effects like time dilation and length contraction. It was the precursor to another theory that described gravity in terms of curved spacetime.
ANSWER: **special relativity**
[10] Many equations in special relativity have this factor, which is equal to 1 over the square root of the quantity one minus the velocity squared over the speed of light squared.
ANSWER: **Lorentz** factor [prompt on "gamma"]
[10] In Minkowski space, this operation taken on a pair of four-vectors is invariant over rotations. This operation is not positive-definite, and is symmetric, bilinear, and nondegenerate.
ANSWER: **scalar product** [or **inner product**; do NOT accept "dot product"]

8. A force of war elephants obtained from Chandragupta Maurya was decisive at this battle. For 10 points each:
[10] Name this 301 BCE battle fought between the Diadochi. Antigonus the One-Eyed was killed during this battle.
ANSWER: Battle of **Ipsus**
[10] The Battle of Ipsus was fought over control of the Hellenistic empire established by the Macedonian leader, who had defeated the Achaemenid Persian Empire at battles such as Issus and Gaugamela.
ANSWER: **Alexander the Great** [or **Alexander III** of Macedon; or ***Alexandros hos Megas***; prompt on "Alexander"]
[10] The Indian war elephant were obtained by this prominent Diadochi who was assassinated by Ptolemy Ceraunus after defeating Lysimachus at Corupedium. His empire was based in Mesopotamia and Persia.
ANSWER: **Seleucus** I Nicator [or **Seleukos Nikator**; or **Seleucus** the Victor]

9. Tom C. Clark's dissent stated that the court had gone "too far too fast", and this case was partly an extension of *Escobedo v. Illinois*. For 10 points each:
[10] Name this Supreme Court case in which the court held that a suspect had to be informed of their right to an attorney before an interrogation. It gave rise to namesake "warnings".
ANSWER: *Miranda* v. Arizona
[10] This chief justice during the later case of *Dickerson v. US* stated that Miranda warnings had become part of the culture. While a clerk, this justice had authored a memo stating *Plessy v. Ferguson* was right.
ANSWER: William **Rehnquist**
[10] This dissenter in *Miranda v. Arizona* stated that the court was just adding new stories to the temple of constitutional law. After his death, this conservative was replaced by Rehnquist.
ANSWER: John Marshall **Harlan** II

10. Art from this country includes narrative handscrolls called E-maki. For 10 points each:
[10] Name this country, which is home to artists of many ukiyo-e woodcuts. Among the most famous series of artworks from this country is *36 Views of Mount Fuji*.
ANSWER: **Japan**
[10] This ukiyo-e work by Hokusai shows three boats being swept up by the title phenomenon.
ANSWER: *Great Wave Off Kanagawa* [or *Kanagawa-Oki Nami-Ura*]
[10] In more modern times, this Japanese artist and coiner of the term "superflat" is famous for manga-inspired works like *Flower Matango* and *Jellyfish Eyes*.
ANSWER: Takashi **Murakami**

11. Ants, bees, and wasps display this type of organization. For 10 points each:
[10] Name this type of sociality in which several individuals protect and aid a small, select group of breeding members. Insects that display it show a great deal of task specialization and overlapping generations.
ANSWER: **eusocial**ity
[10] This is the name of the reproductive females in a eusocial insect colony.
ANSWER: **queen**
[10] This sociobiologist studied eusocial insects in order to derive his rule of kin selection, which states that cost is less than relatedness coefficient times benefit.
ANSWER: William Donald **Hamilton**

12. With Wallace Friesen, then man developed the FACS system. For 10 points each;
[10] Name this psychologist and discoverer of microexpressions, which can be used to tell when people are lying.
ANSWER: Paul **Ekman**
[10] Ekman developed a discrete model of these things, which were also the subject of Stanley Schacter's two factor theory. These states are reactions to outside events and include fear and anger.
ANSWER: **emotions**
[10] The two factor theory of emotions posits that emotions are a product of both cognition and this other faculty, which is the psychological state of being alerted to some stimulus.
ANSWER: **arousal**

13. The progressive rock band Popul Vuh provided the music for this film, whose title role was played by Klaus Kinski. For 10 points each:
[10] Name this film about a group of conquistadors travelling down the Orinoco to find the lost city of El Dorado, only to die one by one until the title figure proclaims he will create a new empire by marrying his daughter.
ANSWER: *Aguirre, the Wrath of God*

[10] *Aguirre* was directed by this German, who also did a film treatment of George Buchner's *Woyzeck*. Another of his films sees a rubber baron attempt to move a steamship over a hill and is entitled *Fitzcarraldo*.
ANSWER: Werner **Herzog**
[10] Herzog's film about this figure was a remake of an FW Murnau film entitled *Nosferatu*. Bella Lugosi notably played this role in a 1931 film.
ANSWER: Count **Dracula**

14. Paul de Man unconventionally defined this concept as "a relationship, within consciousness, between two selves." For 10 points each:
[10] Name this philosophical concept which another philosopher stated was "infinite absolute negativity" in a book that continuously references Socrates.
ANSWER: concept of **irony**
[10] This philosopher defined irony as "infinite absolute negativitiy" in his book *The Concept of Irony*. An explanation of faith is attempted in his book *Fear and Trembling*.
ANSWER: Søren Aabye **Kierkegaard**
[10] Using the pseudonym Anti-Climacus, Kierkegaard wrote this philosophical work which stresses the idea that humans despair only because they sin.
ANSWER: The ***Sickness unto Death***

15. This grandmaster was FIDE World Champion from 1976-1985 and from 1933-1999. For 10 points each:
[10] Name this Russian grandmaster, second only to Kasparov in weeks spent as world number one.
ANSWER: Anatoly Yevgenyevich **Karpov**
[10] Karpov first became world champion because the previous champion refused to count games that ended in this result towards the final score and forfeited. This result can occur with agreement or stalemate.
ANSWER: **draw** [or **tie**]
[10] Karpov defeated this Russian, who was world champion from 1968-72, when he lost the title in the Match of the Century to Bobby Fischer.
ANSWER: Boris Vasilievich **Spassky**

16. If these objects can slowly accrete mass from a binary companion, they can undergo type Ia supernovae. For 10 points each:
[10] Name this type of star that is supported against collapse by electron degeneracy pressure. The upper bound of their mass is given by the Chandrasekhar limit.
ANSWER: **white dwarf**
[10] The violent onset of fusion in the core of a white dwarf undergoing a type Ia supernova is a "detonation" named for this element. Two atoms of this element will fuse to form a magnesium nucleus, which then splits apart.
ANSWER: **carbon** [or **C**]
[10] Late stars which have more carbon than oxygen in their atmosphere have these bands in their spectra. These bands are generated by C_2 radicals and are named from a Scottish scientist.
ANSWER: **Swan** bands

17. At the end of this play, the unarmed protagonist frees Tei Shiryu while his companions, Go Sankei and Kanki, capture the Great King of Tartary. For 10 points each:
[10] Name this historical play that ends with Ri Toten being decapitated and Eiryaku taking his rightful throne.
ANSWER: The ***Battles of Coxinga***
[10] *The Battles of Coxinga* was a play by this author who described the double suicides of lovers at Sonezaki and Amijima. He was a prominent writer of bunraku, or puppet theater.
ANSWER: **Chikamatsu** Monzaemon [or **Sugimori** Nobumori]

[10] This Japanese style of dance-drama features elaborate make-up and includes a hanamichi, a walkway through the audience by which characters can enter and exit. This style developed in opposition to noh drama.
ANSWER: **kabuki** theatre

18. The entire island province of Hainan is designated as one of these regions. For 10 points each:
[10] Name these regions in China where restrictions on trade and investment are relaxed.
ANSWER: **Special Economic Zones**
[10] Special Economic Zones were set up by this reforming Chinese leader, who succeeded Hua Guofeng. His excellent record is marred by his orders to use force during the Tiananmen Square massacre.
ANSWER: **Deng** Xiaoping
[10] Deng came to power after the Debate on the Criterion of Truth with Hua Guofeng, who notably supported this policy whose tenets included maintaining all of Mao's policies and following all of his directions.
ANSWER: **Two Whatevers** [or **Whateverism**; or ***Liang ge fan shi***; prompt on "Maoism" and "Mao Zedong Thought" before "Mao" is read]

19. The climax of this story takes place when a woman fails to find a nickel, so she offers a penny to the young black boy Carver, which enrages Carver's mother. For 10 points each:
[10] Name this story in which Carver's mother knocks Julian's mother over, which causes Julian's mother to collapse on the ground while on the way to her weight-loss class.
ANSWER: "**Everything that Rises Must Converge**"
[10] Flannery O'Connor's collection *Everything that Rises Must Converge* also contains this story in which Mary Grace throws a book at Ruby Turpin in a doctor's waiting room, which causes Ruby to reassess her Christian life.
ANSWER: "**Revelation**"
[10] O'Connor also wrote this story in which the cat, Pitty Sing, causes Bailey to wreck the car, after which the Misfit shoots the Grandmother.
ANSWER: "A **Good Man is Hard to Find**"

20. Stephen of Blois, then Count of Mortain, had a bout of diarrhea and avoided this event. For 10 points each:
[10] Name this disaster that is traditionally linked to the Quilleboeuf Rock. Its most notable casualty was William Adelin.
ANSWER: **White Ship** disaster [or sinking of the **White Ship**; prompt on "death of William Adelin" before mentioned]
[10] The death of William Adelin led to the proclamation of this sister of his as queen. She never reigned because Stephen of Blois took control of England during the Anarchy.
ANSWER: Empress **Matilda** [or Empress **Maud**e]
[10] Matilda was the widow of the fifth Holy Roman Emperor with this name and was the daughter and mother of an English king of this name. The seventh and eight kings of this name were the first two Tudors.
ANSWER: **Henry** [or **Heinrich**]