

1. He seems to have bad luck with swords, as the borrowed Hrunding fails to strike its target, the magic sword he uses in its stead eventually melts, and his grandfather Hrethel's sword Naegling breaks in his final battle. Nevertheless, in his explanation to Hrunding's owner Unferth about why he lost a swimming contest to Breca he shows that he has little need for weapons, as he had slain nine sea monsters in the same way he would achieve his most famous victory. FTP name this son of Ecgtheow (edge-thee-o), who uses his grip-strength of thirty men to wrench the arm off of Grendel.

Answer: **Beowulf**

2. High-strung and a little cowardly, the very idea of the presence of his most feared nemesis at the battle of Pruth inspired a panic attack that led him to negotiate the Treaty of Adrianople. His half-sister and regent almost had him put to death at age ten by his own palace guards, though he survived this menace and eventually had those guards slaughtered before engaging on such exploits as attempting to gain access to the sea for it and establish a new capital, all at the expense of Sweden. FTP name this monarch who survived the revolt of the *streltsi* and who ran away from Narva like a little girl, but who did shave his subjects, create a city named for him, and defeat Charles XII at Poltava.

Answer: **Peter I (or the Great)**

3. While a derivative of this compound may be more familiar to many of you, the Ames test to detect mutation and cancer makes use of this compound, as the strain of *Salmonella* in the culture uses it for a nutrient and the bacteria growth indicates a mutant strain producing it. Discovered in the protamine of sturgeon testes by Albrecht Kossel, who named it and its derivatives for the mast cells which release it, it is an essential amino acids in humans found in abundance in hemoglobin whose biochemical behavior it effects. FTP name this amino acid whose decarboxylation results in a similarly named compound associated with allergies.

Answer: **histidine** [do not accept histamine]

4. His association with mice is reflected by many of his attributes, since mice, like him, were supposedly born in a place where the sun never shone, hung around oracles, and were associated with both disease and death. This association is reflected by one of his cult-names, Smintheus, and since snakes were also used to hunt mice, the origin of his enmity with the giant serpent Python might also be explained this way, though more famous non-rodent attributes include his skill with the lyre, his lack of success in love, and his deadly skill with the bow. FTP name this Greek and, later, Roman God, the twin of Artemis and the Olympian associated with light and the sun.

Answer: **Apollo**

5. The real problems in this novel begin when Henry March and Thomas Hutter decide to collect some scalps and leave behind the Ark and are promptly captured, leaving the title character to guard Hutter's daughters, a simpleminded girl and another more beautiful one who ends up falling for him, though her checkered past prevents any returned affection on his part. Help arrives in the form of Big Serpent, the protagonist's best friend, and though together they rescue Serpent's beloved Wah-ta-Wah from the Huron Rivenoak, everybody seems to get captured again before March, also known as Hury Harry, returns with some British regulars. Such adventures befall Big Serpent, or Chingachcook, and Natty Bumppo on Glimmerglass, or Lake Otswego, in , FTP, what Cooper novel whose title derives from the accuracy of Bumppo's shot in the hunt?

Answer: ***The Deerslayer***

6. A shipmate of William Bligh on the last voyage of Captain Cook, in 1791 he sailed England to Australia and then to Hawaii, where he helped negotiated a treaty with king Kamehameha that put it under England's protection as reflected by the Union Jack in Hawaii's flag. Reaching the North American mainland in may of 1792, he explored and named the Gulf of Georgia and named Puget Sound after a lieutenant on his ship H.M.S. Discovery while verifying that no continuous channel exists between the Pacific Ocean and Hudson Bay. FTP name this explorer, whose discoveries are honored in the name of an American city in Washington and a city and very large island in British Columbia.

Answer: **George Vancouver**

7. The exception to the solution to this problem for non-planes was posed by the Klein bottle, whose Euler characteristic is zero. Though first noticed in 1840, it was first presented to the mathematical community by Francis Guthrie when he brought it to the attention of William De Morgan, though it would not be solved ultimately until 1976, when a theory of possible outcomes presented by Ken Appel and Wolfgang Haken was verified by computer. FTP name this problem of topology first observed by August Ferdinand Mobius in 1840, which consists of finding the minimum number of different shades required to illustrate a map such that no two regions with a common boundary segment can be the same colour.

Answer: **Four color problem**

8. Large reservoirs on this river includes the Dartmouth on one of its minor tributaries and the Hume near Albury. Discovered by Charles Sturt, it flows past cities like Mildura, Renmark, Echuca, and Swan Hill and extends through Lake Alexandrina to Encounter Bay over 1600 miles from its source on the Pilot, part of the Snowy Mountains, and it is fed by such tributaries as the Murrumbidgee, Mitta Mitta, Loddon rivers along with the major tributary which helps name the overall system. FTP name this river which forms most of the boundary between New South Wales and Victoria, Australia's principal river most often mentioned in connection with its chief tributary, the Darling.

Answer: **Murray River** (accept **Murray-Darling** until the last word, but do not prompt on "Darling")

9. Early in his career this man helped Dario Argento and Sergio Leone write the screenplay for *Once Upon a Time in the West*. Becoming famous for his second directorial effort *Before the Revolution*, he was nominated for an Academy Award for his writing on *The Conformist*, and though he both wrote and directed *Stealing Beauty*, he is perhaps best remembered for two earlier works. FTP name this director who was also nominated for directing the controversial *Last Tango in Paris* and won two Oscars for writing and directing *The Last Emperor*.

Answer: **Bernardo Bertolucci**

10. Its most familiar section is a counteroffer to a suggestion made by a boyfriend to see a show on Saturday. In its seldom-heard full form, that section is preceded by one describing a rabid sports fanatic who blows all her money on games, and followed by one on her thorough knowledge of the team and her disputes with the officiating staff. Inspired by a poster seen on a ride on a New York elevated train, it was composed by John Norworth with musical accompaniment by Albert von Tilzer in 1908, FTP identify this song about Katie Casey's baseball madness usually associated with seventh innings and Harry Carey.

Answer: **"Take Me Out to the Ball Game"**

11. In the 1860s and 1870s this thinker delved into social issues in such works as *Munera Pulveris*, *Time and Tide*, by *Weare and Tyne*, and *Sesame and Lillies*, but by the 1880s he had begun to suffer from mental illness, uttering bizarre opinions in his lectures and disturbing friends like Carlyle with his attachment to the teenage Rose La Touche. His failure to consummate his first marriage may have been due to the fact that his familiarity with the female body as it appeared in statuary did not prepare him for the sight of her pubic hair. FTP name this man, who wrote *The King of the Golden River* for that wife, Euphemia Gray, and is better known for his critical works *The Stones of Venice* and *Modern Painters*.

Answer: **John Ruskin**

12. Historian G.E.R Lloyd follows Aristotle in asserting that their arrival in Hellenic armies and the resulting displacement of aristocratic warriors by infantry made democracy and philosophy possible, since in battle each did the same fighting as his fellows and all relied on the cover offered by their linemates. Cheaper to equip and easier to train, they typically wore greaves, metal and later stiff linen corselets, Corinthian helmets, while carrying the *dorus* spear, though the armament for which they are named was so heavy and cumbersome that it had to be discarded during flight, as Tyrtæus describes. FTP name these Greek warriors who fought in phalanxes, named for the enormous round shields with which they protected their own left sides and the right side of their linemates.

Answer: **hoplites** (accept "phalanx" until that word is read)

13. It can be fatal if left untreated by such medications as Chloramphenicol or the more popular Doxycycline, and it is much more deadly to those who suffer from and glucose-6-phosphate dehydrogenase deficiency. Identified by names like Tobia fever", "São Paulo fever" and "fiebre maculosa", it is a zoonosis disease caused by a *Rickettsia* organism similar to typhus transmitted to humans by the bite of its carrier, and like typhus its symptoms include fever, nausea, severe headache, and muscle pain, in addition to the skin rash which gives it its name. FTP name this disease named also for Western region, which is spread to humans principally through ticks.

Answer: **Rocky Mountain Spotted Fever**

14. Most of his major religious writings came during his years in Louvain, where in *De libero arbitrio* and *Hyperaspistes* he asserted his belief in the freedom of will that surpassed the limits set by saints Paul and Augustine. His *Christian Soldier's Handbook* reveals the anti-monastic influence of Jean Voirer and exhorts exegesis of texts to "inject into the vitals" the teachings of Christ, and while he wrote such works as *The Education of a Christian Prince* and *The Complaint of Peace* at the Hapsburg court for the future Charles V, he is perhaps best known for works written while teaching Greek at Cambridge, including the *Adagia* written for the "auris Batava" and his most famous work. FTP name this philosopher, who was staying in the house of his good friend Thomas More when he composed his *The Praise of Folly*.

Answer: Desiderius **Erasmus**

15. His accomplishments include his demonstration of the "daylight effect", by which transmission conditions are sometimes more favourable at night than during the day due to the travel of some radio waves by reflection from the upper regions of the atmosphere. He was also the first to demonstrate that the travel of radio waves was not affected by the curvature of the earth, and a principal developer of short wave radio. FTP name this man, co-winner of the 1909 Nobel Prize in physics for his development of successful system of radio telegraphy.

Answer: Guglielmo **Marconi**

16. At 4 AM on the third day Smith, Wright, and Winfield Scott Hancock were ordered to take the center and right wing held by Anderson and AP Hill, but after less than an hour of murderous frontal and enfilade fire the attack was called off by George Meade, having sustained most of the 7000 casualties to the Army of the Potomac in the first few minutes of the charge. FTP name this battle, the only one ever mentioned as a mistake by overall commander US Grant, a fearful drubbing by Lee which took place mostly between June First through the Third of 1864.

Answer: (Second) Battle of **Cold Harbor**

17. First synthesised in serviceable amounts from deoxycholic acid, it is normally present in the human body acting as an agent for the rapid conversion of proteins to carbohydrates and as a regulator of the salt mechanism. In doses larger than that normally found, however, it can have unpleasant side effects, such as edema, increase acid in the stomach, and imbalance in the processing of sodium, potassium, and nitrogen, but, as Edward Kendall and Phillip Hench discovered, it has another more desirable use, and for their work on it and related compounds the two men shared a Nobel Prize with Tadeus Reichstein in 1950. FTP name this adrenal steroid compound largely supplanted in use for rheumatoid arthritis and Addison's disease by less irritating chemicals but still occasionally used as an effective anti-inflammatory.

Answer: **cortisone**

18. This author's popular novels were in the style of fictitious historical biographies. He wrote three novels about presidential couples, Rachel and Andrew Jackson, Abigail and John Adams, and Mary Todd and Abraham Lincoln. His novel, *Passions of the Mind*, focuses on Freud and Origin tells the life story of Darwin. He chose famous artists Camille Pissarro, Van Gogh and Michelangelo as topics for three other novels. FTP, name this author, best known for his novel about the life and work of Michelangelo, *The Agony and The Ecstasy*

Answer: **Irving Stone**

19. A later version of this painting which hangs in the National Gallery includes details omitted from the first, including wings on the figure on the far right, haloes on three of others, and small staff with a cross carried by the putti on the far left. Painted, as was the first, for the ancona in the chapel of the Immacolata in the church of San Francesco Grande in Milan, it replaced the version probably given to Louis XII hanging in the Louvre, and the presence of the pool of water in the Louvre version reinforces the essential scene, that of the infant Jesus meeting John the Baptist in the care of the Angel Uriel. FTP name this painting whose title is derived from the landscape of the grotto in which the scene takes place, one of the best known works of Leonardo da Vinci.

Answer: ***Virgin or Madonna of the Rocks***

20. He is famous in part for depictions of his personal life, such as his paintings of his home near Antwerp, the *Château de Steen*, as well as pictures of his wives Isabella Brant in a honeysuckle bower and Helena Fourment in a black fur, and like his famous pupil he was knighted by Charles I of England for his "Allegory of Peace and War" as well as receiving from him the commission to decorate Inigo Jones's Banqueting Hall of Whitehall Chapel. FTP name this painter and sometime diplomat for Vincente Gonzaga, the teacher of Anthony Van Dyck perhaps most famous for *The Raising of the Cross* and *Toilet of Venus*.

Answer: Peter Paul **Rubens**



21. Encamped before the city of Volohai, this man promised to raise the siege if a thousand swallows and a thousand cats were given to him, and when they were he set them all on fire and released them back to the city, easily capturing it in the confusion. After an initial squabble with a boyhood friend named Jamuka, he consolidated his power and launched a series of remarkable victories against the Tangut Empire, the Hsia, and the Kwarezm empire, dying after crushing the Tangut Hsi Hsia uprising which enabled his successors to assert control over all of China. FTP name this man, given the name of "Perfect Warrior" in place of his birthplace, Temujin, the leader of the Mongols from 1206 to 1227.

Answer: **Genghis Khan** (accept **Temujin** early)

22. It would be strengthened in The Nine-Power Treaty after the Twenty-One demands of Japan violated it in 1915. First promulgated in a circular sent in 1899 and again following concerns for the territorial integrity of the affected nation following the military defeat of the Boxer Rebellion, it demanded that only the local government have power to collect taxes on trade, that foreign powers be compelled to pay harbour dues and railroad charges, and that all foreign powers maintain free ports in its "sphere of influence". FTP name this agreement concerning trade in China, perhaps the best known diplomatic maneuver of John Hay.

Answer: **Open Door**

23. Other works of his include elegies on Nicholas Rowe and William Lock and a verse satire on the Burwell Paper's account of Bacon's Rebellion found in the *Maryland Muse*. Occasionally signing works with his initials and sometimes with the name "Laureat" which he may have been given by Lord Baltimore, a serious verse treatise on the overproduction of a staple plant is definitely attributed to him, similar in title to another work first published in London in 1708 which took the form of a Hudibrastic satire on the habits of colonials in Maryland ostensibly from a visiting Englishman. FTP name this man, remembered in a work of John Barth which serves as a fictionalised account of his life, main character of the latter and author of the original *Sot-Weed Factor*.

Answer: **Ebenezer Cook**

24. As the novel progresses two of the main characters, a worthless Parisian socialite dressmaker and her equally worthless lover, an independently wealthy Argentinean dilettante painter, find redemption, she in breaking off the affair to become a nurse in the Great War and to tend to her blinded heroic husband, he in becoming an infantryman nominated to the Legion of Honor before dying in battle. In the meantime, his father, who had returned to France after years spent in Buenos Aires in flight from the Franco-Prussian wars, endures the destruction of his beloved estate Villeblanche and the death of his son at the hands of the Germans but nevertheless finds peace in his son's reform and the rescue of France, even if he could not stop Tchernoff's Biblical vision from coming true. Such are the developments in the lives of Margeuerite Laurier and Julio and Marcelo Desnoyers in, FTP, what novel, perhaps the best of Vicente Blasco Ibáñez?

Answer: ***The Four Horsemen of the Apocalypse*** (accept *Los cuatro jinetes del Apocalipsis* from fellows with giant schlongs who have to show off)

25. Onerous circuit riding duties, along with an appointment as diplomat, led to him relinquishing his post on the Bench, but not after he had managed to reduce seriatim opinions in favor of per curiam and curtail the powers of states in such cases like *Calder v. Bull*, *Ware v. Hylton*, and *Hylton v. United States*. Known for an attention to detail that inspired his alliterative nickname "Endless", FTP name this jurist who co-authored the Connecticut compromise with Robert Sherman and who succeeded the unconfirmed John Rutledge as the third Chief Justice of the Supreme Court.

Answer: **Oliver Ellsworth**

1. Decidedly not one of its directors best efforts, the film is essentially about the title character, a compulsive thief who cannot bear to be touched by men, who defrauds, is blackmailed into marrying, and ultimately is cured of her neurosis by the owner of one of the companies she's ripped off. FTP each:

1. This describes what film, a slow hanging curveball by the otherwise excellent Alfred Hitchcock?

Answer: **Marnie**

2. *Marnie* is in no small way wrecked by the horrible acting of its leading man, who at this stage in his career should have stuck to the tuxedos, shaken vodka martinis, and souped-up Aston-Martins which made him a household name.

Answer: **Sean Connery**

3. The role of Marnie was originally to be the comeback vehicle for Grace Kelly, but since the good people of Monaco didn't fancy their princess playing a felon Hitchcock was forced to turn to this woman who had earlier stumbled through *The Birds*, though by the end of filming they had a major falling out during the filming and he directed her through intermediaries. Name this woman, mother of Melanie Griffith.

Answer: **Tippi Hedren**

2. A number of popular albums feature mock radio stations which help with the transition between songs. Answer some questions about these fake radio stations, ten points each.

1. Stations like KLON ("the Clone", which plays the same identical music as every other station) announce songs on *Songs for the Deaf*, the latest album by this band from which the song "No One Knows" (with Dave Grohl on the drums) was released.

Answer: **Queens of the Stone Age**

2. Some flipping through radio stations finally leads to the introductory guitar part of the title track of this Pink Floyd album, whose other songs include the epic "Shine On You Crazy Diamond".

Answer: **Wish You Were Here**

3. DJ EZ-Dick from W-BALLZ, "the station that slaps you across your fat ass with a fat dick", is featured prominently on this album and introduces such songs as "It Ain't No Fun", a hilarious collaboration of Warren G, Daz, Karupt, and Snoop Doggy Dogg on this, his first album.

Answer: **Doggystyle**

3. According to most variants of the story, he is a beautiful youth loved by Selene who is given eternal youth by being put to sleep forever and has been the subject of many English poems. FTPE:

1. Perhaps the most famous treatment of Endymion is that of this poet, whose other works include "Ode on Grecian Urn".

Answer: **John Keats**

2. *Endymion* was the title of the last novel of this author-politician whose other works include *Sybil*.

Answer: **Benjamin Disraeli**

3. Endymion's legend was also used as the subject of a play by this man, though he is better known for the artificial and allusive style of language named for the main character of his best known work, *Euphues*.

Answer: **John Lyly**

4. In 1932 a new laboratory for the Royal Society was built at Cambridge especially for one scientist to assist in his studies into magnetism and low temperature physics. Fot 10 points each:

1. Soviet scientist Pyotr Kapitza discovered that helium II has almost no viscosity, and his work was rewarded with a Nobel Prize in Physics in 1978 for his work with this property.

Answer: **superfluidity**

2. The Laboratory built for Kapitza was funded by and eventually named for the industry founded by this man, who made an enormous fortune by making soda ash using his improvements on the Solvay process and late and later developed the process named for him which extracts nickel from its ores.

Answer: **Ludwig Mond**

3. On the façade of the Mond Laboratory Kapitza had carved a heraldic crocodile, a sly reference to the nickname by which he referred to this man, his master at Cambridge and Nobel Laureate for Chemistry in 1911 famous for his gold leaf experiment.

Answer: **Ernest Rutherford**

5. The ancient Romans seem to have been obsessed with severed heads, even naming one of their hills, the Capitoline, after one that was found there. Identify the following about the severed heads of famous Romans on a 5-10 basis.

1. 10 points: After this man's death on the Aventine, the consul Lucius Opimius put a reward on this man's head, stating it would earn its weight in gold; the man who claimed it pulled a fast one, however, and scooped out the brains and filled it with lead to collect a larger reward.

5 points: The *popularis* at least escaped the indignity of having his body thrown into the Tiber, as befell his brother Tiberius.

Answer: Gaius Sempronius **Gracchus**

2. 10 points: According to Plutarch, after his death this Roman's head starred as the head of Pentheus in a performance of Euripides's *Bacchae*.

5 points: Cassius Dio records a slightly more popular variant, stating that after Carrhae molten gold was poured down his throat to satisfy his thirst for it in life.

Answer: Marcus Licinius **Crassus**

3. 10 points: After his proscription Fulvia, wife of Marc Antony and former wife of his implacable enemy P. Clodius Pulcher, had a pin stuck through his tongue and had his head and hands nailed to the *rostra*.

5 points: Perhaps the most famous Roman orator, he had rested on his laurels since the whole Catilinarian conspiracy which made him famous.

Answer: Marcus Tullius **Cicero**

6. Twice in the book of Genesis this man passes off his beautiful wife as his sister once for the Pharaoh, once for king Abimelech; called to explain himself when Abimelech's wives go barren, he asserts that the ruse is not entirely a lie, as in Genesis 20:12 he affirms that his wife is the daughter of his father but not his mother. FTPE:

1. Name this man, destined to become the "Father of Multitudes" and husband of the lovely Sarah.

Answer: **Abraham**

2. Assuming Abraham was not telling another lie to Abimelech, this means that he and Sarah were both children of this man, the son of Nahor.

Answer: **Terah**

3. In addition to his children by Sarah and her Egyptian maidserant Hagar, Abraham fathered a number of children with this woman, including Midian, the ancestor of the Midianites. Name this woman described in Genesis 25.1, whom Abraham married after the death of Sarah.

Answer: **Keturah**

7. Identify the following works by Henry James for 10 points each.

1. A six year old caught between the divorcing parents Ida and Beale Farrange is tossed back and forth between them, making the best of her situation and relying upon her devoted nurse Mrs. Wix to come upon the wisdom mentioned in the title.

Answer: ***What Maisie Knew***

2. Christina Light, who reappears in the later novel *The Princess Casimissa*, is the fascination of the title character, a young sculptor who fulfills the prediction that he will fizzle out before dying, either by death or by suicide, after a walk in the mountains.

Answer: ***Roderick Hudson***

3. A young governess believes her beloved charges are under the baleful influence of the ghosts Peter Quint and Mrs. Jessel, their former governess, and struggles to save them.

Answer: ***Turn of the Screw***

8. "Graduated last in his class at West Point" is a no more a uniquely identifying clue than "his first name is George". Here's a three-part bonus to prove it. For 10 points each:

1. This "goat" of 1846 is perhaps best remembered for a doomed exploit performed at the battle of Gettysburg.

Answer: George E. **Pickett**

2. This "goat" of the class of 1861 is best remembered for eating it hard at Little Big Horn.

Answer: George A. **Custer**

3. This "goat" of 1909 – perhaps a reincarnation of one of the other two – is best remembered for commanding the Seventh Army in Africa and Sicily, losing it for slapping a soldier, and commanding the Third Army at the Battle of the Bulge.

Answer: George S. **Patton**

9. First to be discovered in silk fibroin in 1879, it is a non-essential amino acid for humans because its “beta” isomer can be derived from pyruvic acid and presumably from animal muscle if need be, as it is a constituent of the peptides carnosine and anserine. For 10 points each:

1. Name this amino acid whose linear structure formula is  $\text{CH}_3\text{-CH}(\text{NH}_2)\text{-COOH}$ .

Answer: **alanine**

2. The beta isomer of alanine is also found in this growth-promoting substance for yeast and certain bacteria, an unnumbered B complex vitamin whose name suggests it comes “from all sides”.

Answer: **pantothenic acid**

3. The alanine in pantothenic acid is converted into this compound, essentially formed when a group of the formula  $\text{CH}_3\text{CO-}$  combines with a thiol group and which plays a role in the Krebs cycle and in the synthesis and oxidation of fatty acids.

Answer: **Acetyl CoEnzymeA**

10. It shares the Gulf of Fonseca with neighbor to the west, El Salvador, while it also owns the Islas De La Bahía in the Gulf of Mexico. For 10 points each:

1. Name this nation, also bordered to the West by Guatemala, which shares its namesake gulf with it and Belize.

Answer: **Honduras**

2. This capital of Honduras is said to consist of a double city, with the municipality namesake sharing that duty with its suburb Comayagüela.

Answer: **Tegucigalpa**

3. Honduras shares this extended region and namesake of a Harrison Ford film with Nicaragua. It consists of a band approximately 40 miles wide extending along the the Caribbean Sea for about 225 miles, and it, like its main city Bluefields, is principally populated by the Natives – and probably the insect – who gave it its name.

Answer: **Mosquito Coast**

11. The modern “harmonica” was named for an earlier instrument which used water and glass bowls which was once all the rage in Europe. For 10 points each, answer these questions about the “armonica” or glass harmonica

1. This composer once gave a commanding performance on the glass harmonica in London, demonstrating it could play all the notes a violin could. Name this man, better known for the opera *Orfeo ed Euridice*

Answer Georg Willibald von **Gluck**

2. An aria from the “mad scene” of this opera based on a tale by Scott and written by Donizetti was originally to be accompanied by the glass harmonica.

Answer: **Lucia di Lammermoor**

3. 5 points: This man composed an Adagio And Rondo in C minor, Köchel 617, for the glass harmonica and other instruments.

Answer: Wolfgang Amadeus **Mozart**

12. In economics the term essentially refers to any distribution of some sort of commodity – either income, expenditure, or wealth – in an economy which deviates from even and identical shares among its inhabitants. For the stated number of points:

1. (5 points) Identify this term.

Answer: **inequality**

2. (15 points) The measure of income inequality in a society can be traced on a Lorenz curve which lies between perfect inequality as a vertical and perfect equality as a straight 45 degree angle; the curve is a graphic illustration of this measurement, named for an Italian statistician which can also be used to trace inequality of assets.

Answer: **Gini coefficient**

3. (10 points) Inequality among industrialising societies was charted in a curve in 1955 by this man, who noted that inequality tended to increase at the early stages of economic growth, but decreases in later stages which resulted in an inverted U-shaped relationship, which been held up as the rationale to advise governments to “grow now, worry about the poor later.” Name this man, more famous as the developer of the concept of the Gross National Product and winner of the 1971 Nobel Prize in Economics.

Answer: Simon **Kuznets**



13. Though loved by all of the “Three Musketeers of the Brush”, she ultimately accepts the proposal of “Little Billee” Bagot, but when he falls ill and his mother suggests she would not be the wife for him, she leaves to accept an offer to have her voice trained by a sinister fellow who ultimately makes her into an opera star. For 10 points each:

1. Name this Irish model and singer, title character of a semi-autobiographical novel first published in 1894.

Answer: **Trilby O’ Ferral**

2. Name the English of French heritage author who wrote *Peter Ibbetson* and *The Martian* in addition to what may be his most famous work, *Trilby*.

Answer: **George du Maurier**

3. Name the sinister musician and vocal coach “of Jewish aspect” whose “mesmeric” influence on Trilby’s voice gives it supernatural abilities which vanish when he sickens and dies, leaving her broken in spirit and leads to her own death soon after.

Answer: **Svengali**

14. Identify the following monarchs of the Middle Ages who spent a significant amount of time being held prisoners in other countries on a 5-10-15 point basis.

1. (5 points) Perhaps the most famous hostage king in history is this monarch captured while returning from the Holy Land by Duke Leopold V of Austria and handed over to Henry VI, who released him in 1194 on a ransom of 150,000 marks.

Answer: **Richard I** of England (accept “Coeur de Lion”, “Lion-Heart”, “Plantagenet”, or others of his thousands of soubriquets)

2. (10 points) After the battle of Poitiers this king of France was taken prisoner and released by the terms of the treaties of Brétigny and of Calais, which fixed his ransom at 3,000,000 gold écus and surrendered most of southwestern France to Edward III. Unable to pay the ransom, he sent one of his sons to England as hostage and, when that son escaped, he voluntarily returned to England to take his place.

Answer: **Jean II** (John II)

3. (15 points) In 1406 this man was captured en route to France by English sailors and, through the treachery of the Dukes of Albany, was kept there until 1424. In the meantime he fell in love with the Lady Jane Beaufort, whom he married after extolling her beauty in his *Kingis Quair*.

Answer: **James I** of Scotland

15. Identify the following from particle physics, 10 points each.

1. Coming from the Greek for “strong”, these class of particles are composed of quarks and react through the Strong Force; they include all baryons and mesons.

Answer: **hadrons**

2. These hadrons are produced by the strong force in the time it takes for a particle traveling at nearly the speed of light to cross the diameter of a subatomic particle, but their decay by the weak nuclear force takes millions of millions of times longer. The omega minus, predicted by the Eightfold Way, is one of these, so named because they are more massive than the typical baryons.

Answer: **hyperon**

3. Some hadrons contain this “flavor” of quark, the fourth to be discovered, which is present with its antiparticle in the  $J/\psi$  meson.

Answer: **charm quark**

16. Identify the following about a figure from Ancient Greek philosophy for the stated number of points.

1. (15 points) The last significant member of the Eleatic school, he differed from Parmenides in that he held reality to be boundless and of infinite duration (having a past and a present). He is also known as the commander of the Samian fleet, which was victorious over the Athenians in 441 BC.

Answer: **Melissus**

2. (10 points) Melissus was a friend of this man, who introduced him to the residents of his native Abdera, though Melissus would defend Parmenides against criticism presumably offered by him the 73 works listed Thrasylus of which none survive. Name this man, known for his concept of “enthymie” or “good-naturedness”, leading to his nickname of “the Laughing Philosopher”.

Answer: **Democritus**

3. (5 points) Like his master Leucippus, Democritus was part of what school, who argued against Peripatetic completeness by suggesting that the universe consists of unbreakable particles moving in the void?

Answer: **Atomists**



17. Identify works of fiction associated with a recent fairly awful film for 10 points each.

1. *Gods and Generals* was based on Jeff Shaara's similarly-titled "prequel" to this work, which won a Pulitzer Prize for fiction in 1975 for its author, Jeff's father Michael.

Answer: ***The Killer Angels***

2. As the attack on Fredericksburg is about to commence in the film Jeff Daniels's character quotes a few lines from this Roman poet's account of the crossing of the Rubicon found in his *Pharsalia*.

Answer: **Lucan** (Marcus Annaeus Lucanus)

3. Shortly before heading to join his regiment Joshua Lawrence Chamberlain has a touching scene with his wife Fanny, in which she quotes to him the text of this poem by Robert Lovelace begging that the title figure pardon the inconsistency of his choosing to fly from the nunnery of her chaste breast to battle and Armies, since "I could not love thee (Deare) so much, Lov'd I not Honour more"

Answer: **"To Lucasta, going to the Wars"**

18. This bonus will test your knowledge of a particular phylum whose name refers either to the emptiness of its body or to its defensive mechanism. For ten points each:

1. Give either the name of this phylum to which Sea anemones and Portugues Man O' War belong, named either either from the Greek for "hollow" or from the Greek for "nettle", which refers to their offensive abilities.

Answer: **Cnidaria or Coelenterata**

2. Cnidaria arm themselves with this type of stinging cell, named for the threads they contain.

Answer: **nematocysts**

3. Cnidaria essentially consist of two body types: polyp, to which corals belong, and this type, represented by jellyfish. Identify this type, with a petrifying mythological name.

Answer: **medusae**

19. Water-soluble, most of these compounds are coenzymes and they all appear to be essential in facilitating the metabolic processes of all forms of animal life. Grouped together because of their similar properties, examples of them include biotin, pantothenic acid, and pyridoxine. For ten points each:

1. Give the term by which these chemicals are classified, which also includes folic acid, riboflavin, and thiamine.

Answer: **B compound vitamins** (answer must include "B" and "vitamins")

2. This member of the B compound vitamins is known for its ability to prevent pellagra.

Answer: **B3 or niacin or nicotinic acid**

3. Deficiency in this member of the B compounds can result in pernicious anemia.

Answer: **B12 or Cyanocobalamin**

20. American history sucks, American historians suck a lot more, and periodically Columbia awards the Bancroft prize to a work which typically also sucks; all of this will combine in a question about American historiography which probably sucks, as well. Name these Bancroft-award winning authors – some of whom actually don't suck that badly – from clues for the stated number of points.

1. (10 points) This historian of the post-Civil War South won the Bancroft prize in 1952 for his *Origins of the New South, 1877-1913*, and eventually won the Pulitzer in 1982 for editing the collection of letters *Mary Chesnut's Civil War*, but he is probably better-known for *The Strange Career of Jim Crow*, which actually isn't that bad.

Answer: **C (omer) Vann Woodward**

2. (10 points) This historian won the Bancroft in 1958 for *The Crisis of the Old Order*, the second part of his three volume *The Age of Roosevelt*. The Pulitzer goons have also been falling all over themselves to decorate this clown, awarding him one for *The Age of Jackson* and another for *A Thousand Days: John F. Kennedy in the White House*, drawing on his experience as a White House special assistant for Latin-American affairs.

Answer: **Arthur M(eier) Schlesinger, Jr.**

3. (10 points) A classic example of why American Historians are slimy and disreputable occurs in this man's 1975 Bancroft-winner *Time on the Cross* written with Stanley Engerman, whose sleight-of-hand with statistics created such a furor that he had to write a second book, *Without Consent or Contract*, to justify his methods. Incredibly, he won a legion of imitators and a Nobel Prize in Economics in 1993 with Douglas North for his development of "cliometrics".

Answer: **Robert Fogel**

21. Identify the composers of the following "Dances" for the stated number of points:

1. 5 points: *Hungarian Dances*

Answer: Johannes **Brahms**

2. 10 points: *Slavonic Dances*

Answer: Anton **Dvorak**

3. 15 points: *Symphonic Dances*

Answer: Sergei **Rachmaninoff**

22. In 1565 a vastly outnumbered force held out against a huge army of 40,000 Janissaries under the general Dragut and the Bey of Algiers, repulsing a siege which lasted from May 18<sup>th</sup> to September 12<sup>th</sup> and pointed to weaknesses in the Muslim Army which would eventually be exploited six years later at Lepanto. For the stated number of points:

1. 5 points: Name the knightly order who scored this victory, whose combat skills showed that they could hurt as well as heal.

Answer: Knights **Hospitallers** (accept Knights of Malta, Knights of Rhodes, Sovereign Military Hospitaller Order of St. John of Jerusalem, of Rhodes and of Malta or reasonable equivalents that contain either "Malta", "Rhodes", or "Hospital").

2. 15 points: The Knights Hospitaller were led by this Grand Master, whose name is remembered in the capital of Malta.

Answer: Jean Parisot de La **Valette** (accept Valetta, as that is the local pronunciation of the French Name)

3. 10 points: Dragut was a lieutenant of this Sultan, who had earlier driven the Knights from Cyprus and Rhodes and destroyed Louis II at the Battle of Mohacs.

Answer: **Suleiman the Magnificent** (or Suleiman I)

23. Identify the following mythological figures who were torn to pieces for some reason or another, 10 points each.

1. One esoteric legend about this god states that he was torn to pieces and eaten by the Titans. The more typical version, however, states that he was the God of Wine born after the death of his mother Semele, whose orgiastic rites did, however, often lead to such dismemberment for others.

Answer: **Dionysus**

2. One of the victims of Dionysus's wine-maddened Maenads was this king, whose denying of the wine-god's divinity led to his own dismemberment at the hands of drunken revellers led by his mother and wife as described in Euripides's *Bacchae*.

Answer: **Pentheus**

3. Wine-maddened Bacchae were also led to fury by this man, who deplored Dionysus's orgiastic rights and understandably worshipped the sun instead, supposedly the domain of his father by Calliope, Apollo. He is better known as an Argonaut who lost his wife forever when he looked back at her, having led her from the underworld by the power of his song.

Answer: **Orpheus**

24. A young aristocrat is raised by his uncle Mason to be a prophet, but when Mason dies he runs away from this calling; in the end he returns, drowns Mason's son Bishop in the act of Baptising him, and becomes what he is destined to be. For the stated number of points:

1. (10 points) Identify this novel, whose title is taken from Matthew Chapter 11 Book 12, concerning those who beset and will destroy the Kingdom of Heaven.

Answer: *The **Violent Bear It Away***

2. (5 points) Name the author of *The Violent Bear It Away*.

Answer: Flannery **O'Connor**

3. (15 points) Name the main character whose name refers to a Revolutionary War hero.

Answer: Francis Marion **Tarwater**

25. The people by this name, which means “the black-headed ones”, most likely came from modern-day Turkey in the late fourth-millennium BCE, supplanting the native “Ubaidian” civilisation and founding a confederacy of at least twelve city states which included Larsa, Kish, and Ur. For 10 points each:

1. Name this people, perhaps the earliest human civilisation, which occupied Mesopotamia until the conquest of the Amorites in about 1900, when they began to lose their separate identities.

Answer: **Sumerians**

2. One of the most important cities of the Sumerians was this one, sacred to Enlil, the site of the famous Stele of the Vultures erected to celebrate the victory of King Eannatum over the neighbouring state of Umma which would later enjoy a revival under King Gudea in the century after the fall of the Akkadian empire.

Answer: **Lagash**

3. Another famous city of the Sumerians was this one, sacred to Anu and Inanna, home of the “White Temple” and the ziggurat of Eanna which continued to exist until Parthian times. Name this city, whose most famous resident, according to legend, was Gilgamesh, who built its walls.

Answer: **Uruk (Erech)**