

1996 Masters Questions - Mayberry Mafioso

1) Touring extensively as early as age 11, he eventually settled in Paris where he served as a church organist and teacher. An exponent of the cyclic form of composition, his works include a symphony in D minor, the Three Chorales for Organ, and the Symphonic Variations for piano and orchestra. For 10 points identify this nineteenth century Belgian composer best known for the oratorio "The Beatitudes".

Answer: Cesar Franck

2) It is based on the hypothesis that for any point P not lying on a line L, there are at least two lines that can be drawn through P parallel to L. FTP, name this branch of non-Euclidean geometry developed by Janus Bolyai and Nikolai Lobachevsky.

Answer: hyperbolic geometry (accept Lobachevskian if early buzz-in)

3) Migrating to the US as a rigid puritan, he initially refused to join the congregation in Boston because it would not make public repentance for having been in communion with the Church of England. Later, he engaged in a bitter controversy with George Fox, but became better known for such works as A Key into the Language of America and The Bloody Tenet. FTP, identify this writer and clergyman better known for his apologetic attitude toward Indian culture, who founded the city of Providence in 1636 as a pure democracy based on the ideal of religious tolerance.

Answer: Roger Williams

4) He was a member of the Santa Clara Swim Club in the 1960s, a club whose members included gold medalists Don Schollander and Donna de Verona. He tried out for the U.S. pentathlon team for the 1968 Olympics but finished 21st of 22nd in the trials. He was team manager for the 1976 U.S. Olympic pentathlon, but he found wrestling to be more interesting. On his 800-acre Foxcatcher estate outside of Philadelphia, he set up a world-class wrestling camp for American wrestlers. It served as a training facility until he shot one of his trainees, U.S. gold medalist Dave Schultz last year. FTP, name this wealthy, eccentric wrestling financier.

Answer: John du Pont

5) Subtitled "An Essay on Phenomenological Ontology," it argues against religion, morality, and classical ideals of significance. One of its primary theses is that humans differ from inanimate objects only in that they possess consciousness and freedom to form a unique identity. Name this existentialist manifesto published in 1943 by Jean Paul Sartre.

Answer: Being and Nothingness

6) It is the name of the highest mountain range in Spain, which runs parallel to the Mediterranean coast and contains the peak Mulhacen. It is also the name of the mountain range running from the Tehachapi to the Cascades, the highest peak of which is Mount Whitney and which features Sequoia and Yosemite National Parks. For 10 points give the common name of these "snowy ranges".

Answer: Sierra Nevada

7) Although the term was first used by Joel Spingarn in an address at Columbia University in 1910, it was not generally recognized until it was used as the title of a book in 1941. The proponents of this movement were united in their emphasis on dealing with art directly; they insist that the work of art be considered as an autonomous whole, rather than an excuse for biographical, cultural or social speculations. FTP, name this American literary movement which included among its adherents Yvor Winters, Kenneth Burke, R.P. Blackmur, Cleanth Brooks, and John Crowe Ransom.

Answer: New Criticism

8) He was the personal secretary of Galileo who succeeded him as court mathematician to the Grand Duke of Tuscany. His theorem states that the flow of liquid through an opening is proportional to the square root of the height of the liquid above the opening. In 1643 he proposed an experiment in which a column of liquid could be used to measure atmospheric pressure. For 10 points name the Italian scientist who devised the concept behind the barometer and after whom a unit of pressure was named.

Answer: Evangelista Torricelli

9) Set in the wild moor country of western England, its author ^{regarded}~~regards~~ it as a romance, since its historical tie to the rebellion of the Duke of Monmouth is largely unimportant in its plot. Told by a brash young hero who falls into the hands of a family of criminal outlaws who had earlier killed his father during one of their savage raids, it features the compulsory Romeo and Juliet story of a young fighter who falls in love with the young and mysteriously beautiful damsel of an enemy clan. FTP, identify this novel subtitled A Romance in Exmoor, that features the young John Ridd discovering that his forbidden love is actually the kidnapped daughter of a Scottish nobleman, and not the neglected daughter of Sir Ensor Doone.

Answer: Lorna Doone

10) During World War I, this French city on the Meuse river was an important point in the German army's advance into France. In 1940, it was the gateway through which the German Wehrmacht, shirking the Maginot Line, skirted westward. However, the most important battle in this city resulted in the surrender of 100,000 Frenchmen under the control of Napoleon III to the Prussians, FTP name this city or famous 1870 battle.

Answer: Sedan

11) Adherents of this religion have no orthodoxy or priesthood, but they share in their use of a distinctive form of speech influenced by colonial British and the mannerisms of the King James Bible. Most of their members grow their hair long in accordance with the Nazirite vow adhered to by such men as John the Baptist or Samson. Likening their existence in the west to the Babylonian captivity of the Jews, their movement originated with the 1930s pan-Africanism of Marcus Garvey, who predicted the imminent arrival of a black Messiah-king who would lead all displaced Africans on an exodus back to their motherland. FTP, identify this movement, whose primarily West Indian followers view former Ethiopian emperor Haile Selassie I as a Messianic saviour.

Answer: Rastafarians (accept Rastas)

12) This Frenchman incorrectly predicted the existence of a small planet inside the orbit of Mercury, based on irregularities in Mercury's orbit that were later determined to be relativistic effects. Failing to find a new planet there, he turned to the other end of the solar system. In 1845, independently of John Couch Adams, he mathematically predicted that perturbations in the orbit of Uranus were due to the gravity of a yet undiscovered eighth planet. Name this French mathematician whose calculations were used by Johann Galle in his discovery of Neptune.

Answer: Urbain Leverrier

13) This writer took a law degree before traveling widely for several years. In his first novel, *Toda Raba*, he declared, I am a mariner of Odysseus with heart of fire but with mind ruthless and clear. FTP, name this repeated nominee for the Nobel Prize, author of *The Greek Passion*, *Zorba the Greek*, and *The Odyssey: a Modern Sequel*.

Answer: Nikos Kazantzakis

14) Because of its vital role in assisting the parathyroid with regulating the absorption of phosphorous and calcium, a deficiency of it can cause bone disorders such as rickets. These symptoms are most common at high latitudes since this substance can be synthesized in the skin through exposure to ultraviolet light. Name this fat-soluble vitamin, a form of calciferol which is often added to commercial milk products.

Answer: vitamin D

15) As part of his policy of forcing western republican modernism onto the citizenry of his country, he forbid the wearing of veils and of any traditional symbols of religious office, overlaid Islamic theocratic law with the European legalistic codes and mandated the popular use of the Christian calendar. Curiously enough, he had been earlier known as a defender of the faith against his countrys two bitterest enemies, the Russians and Greeks, who were backed by the western powers. FTP, identify this defender of the Islamic caliphate and hero of the defence of Gallipoli, who eventually molded his country into the only predominantly Islamic nation with an effectively secular government.

Answer: Mustafa Kemal (Ataturk is acceptable)

16) After a tragic separation from his family, ^{this} ~~the~~ main character ~~of this novel~~ reforms his ways and becomes prosperous. After 18 years, his wife and child reappear and are reunited with him. After his wife Susan dies, he clings to his daughter Elizabeth-Jane. After a twist of events where his past crimes are revealed and Elizabeth-Janes real father takes her away, he dies in dejection. FTP, name this man who sold his family for 5 guineas to a sailor, and is the main character in Thomas Hardy's *The Mayor of Casterbridge*.

Answer: Michael Henchard

17) The origin of his pseudonym is unknown, although his real name was probably Emmanuel Rudnitsky. A friend of Duchamp, he helped Francis Picabia establish the NY Dada movement. Also a sculptor, photographer and film maker, his development of the technique of solarization, or, the reversal of the tones in a photographic image, made him equally popular in surrealist circles. FTP, identify this American artist whose most famous work was displayed at a 1975 NY Cultural Center gala coinciding with his 85th birthday.

Answer: Man Ray

18) It is the general name for a system of vessels in which blood, after passing through one capillary bed, is conveyed through a second capillary network. Examples include hypothalamohypophyseal, renal, and hepatic. FTP, name this system that derives its name from the Latin for gate.

Answer: portal system

19) By 1862, he had become integral to the success of the Army of Northern Virginia. He led brilliant tactical efforts at Second Bull Run, Antietam, and Fredericksburg, and was assigned control of Stonewall Jackson's troops after his mortal wounding at Chancellorsville. However, his time-consuming raid of Union troops during the Gettysburg campaign is thought by some historians to have cost Lee the battle. FTP, name this Confederate calvary, who died on June 10, 1864 at the battle of Yellow Tavern.

Answer: James Ewell Brown ("Jeb") Stuart

20) The lyrical polish and complexity of his rhyming couplets was admired by both Dryden and Samuel Johnson. A stoic and staunch aristocrat by birth, his military career brought his increased status until his banishment by Domitian, and provided him with a panorama of human character-types which he could satirize in his works. In his famous 16 satires, he bitterly indicts the moral corruption and decadence of Roman citizens of all social classes. FTP, identify this most vitriolic of Roman satirists, whose work is often contrasted with that of Horace, his less invective contemporary.

Answer: Juvenal

21) It was named by Enrico Fermi. It was first postulated in 1930 by Wolfgang Pauli in order to maintain the law of conservation of energy during beta decay. Later it was shown that it is also necessary to maintain the conservation laws of momentum and spin, though it was not detected directly until 1956. Like the electron, it is a lepton, and it is emitted when a pion decays into a muon and in the decays of a number of other elementary particles. FTP, what is this elementary particle with no charge and virtually no mass?

Answer: neutrino

22) Its the common name for magnesium sulfate heptahydrate, a water-soluble bittersweet compound that occurs as white or colorless needle-shaped crystals. It is used medicinally as a purgative; it is also used in leather tanning, mordant dyeing, and as a filler in cotton goods and paper. FTP, name this compound that takes its name from the English town from whose mineral springs it was first prepared?

Answer: Epsom salts

23) This school included Jacque, Troyon, Diaz de la Pena, Dupre, Daubigny, Corot, Millet, and Theodore Rousseau. FTP, name this group of French landscape painters active between 1830 and 1870, that made their center in their namesake town in the Fontainebleau forest.

Answer: Barbizon school

1996 Masters Questions - Mayberry Mafioso

1) The University of Maryland may have Geography from Hell, but now North Carolina brings you Geography from a Mountain Dew commercial. Identify the following places for 10 points each.

a) Originating at the confluence of the Uele and the Bomu, this river flows through the capital of the Central African Republic, and forms part of the border between Congo and Zaire before emptying into the Congo River.

ANS. Ubangi River

b) The last I heard, this republic was still a constituent part of Yugoslavia, with its territorial capital at Titograd.

ANS. Montenegro

c) This California city located 60 miles east of Los Angeles on the edge of the Mojave Desert was the site of an abandoned mission that was resettled by Mormons in 1852.

ANS. San Bernardino

2) Given a description, name the novel in the Leatherstocking Tales by James Fennimore Cooper, FTP each.

a) Subtitled: The Source of the Susquehanna, the character of Natty Bumppo makes his first appearance in print as an older man.

Answer: The Pioneers

b) Subtitled: The Inland Sea, Natty Bumppo relinquishes his claim to Mabel Dunham's hand when he discovers that she loves Jasper Western. Jasper, suspected of being a traitor is finally vindicated.

Answer: The Pathfinder

c) Although it was the last of the Leatherstocking tales to be written, it is the story of Natty Bumppo's youth.

Answer: The Deer Slayer

3) Identify the following related terms from physiology for 5 points each.

a) A disaccharide consisting of two glucose molecules.

Answer: maltose

b) Time during cell division when the chromosomes line up on the equator of the cell.

Answer: metaphase

c) Attached to the tympanic membrane, its the Latin term for the largest of the three auditory ossicles.

Answer: malleus

d) Lipoprotein surrounding the axons of some nerve fibers.

Answer: myelin

e) Inflammation of the parotid gland.

Answer: mumps

f) Major hormone secreted by the pineal body.

Answer: melatonin

4) 30-20-10-5. Identify the American author from works.

30) The Farmers Daughter, Sour Grapes, The White Mule

20) Many Loves and Other Plays, In The Money, The Build Up, Life Along the Passaic River

10) In the American Grain

5) Paterson

Answer: William Carlos Williams

5) NASCAR continues to grow each year in popularity. Its time to test your knowledge of this sport by identifying three of its Winston Cup drivers. 10 points if you can identify them by their car number, 5 points if you need their major sponsor.

a) 10 pt: 6

5 pt: Valvoline

Answer: Mark Martin

b) 10 pt: 2

5 pt: Miller Geniune Draft

Answer: Rusty Wallace

c) 10 pt: 24

5 pt: DuPont

Answer: Jeff Gordon

6) Identify this New Testament book, 30-20-10.

30) The 9th book of the New Testament, it shows that Pauls authority as a leader of New Church was sometimes questioned even during his own time. In it Paul dispenses with his usual greeting and immediately asserts that he is an apostle through the power of God, and not man, in the books very first verse.

20) Although only 6 chapters long, it gives a clear insight into the Pauline vision of a church where believers are justified solely by their faith in Christ, as first discussed in Romans. In the book, Paul mentions a bitter controversy concerning whether or not it is appropriate for non-Jewish converts to become circumcised or follow the full commandments of the Jewish ritual law, and indirectly accuses Peter, James and John of hypocrisy concerning the issue.

10) Written to a church in central Asia Minor, its name illustrates the success of the early church amongst meditteranean pagans. In this case, the regions inhabitants were named for the uncivilized Gauls who had conquered and settled the area in preceding centuries.

Answer: Pauls Epistle to the Galatians

7) Identify these statistical terms FTP each.

a) The sum of all the entry values divided by the total number of entries

Answer: mean or average (sample mean is acceptable)

b) The square root of the variance.

Answer: standard deviation

c) The standard deviation divided by the mean

Answer: coefficient of variation

8) FTP each, identify these thinkers who were instrumental in shaping the philosophy of criminal law.

a) This 18th century Italian jurist was one of the first to apply Enlightenment principles to law in his 1760 treatise "Crime and Punishment". His ideas influenced utilitarian reforms in many European nations.

Answer: Cesare Beccaria

b) He wrote that punishment should be society's retribution for an individual's failure to fulfill the moral duty of the categorical imperative.

Answer: Immanuel Kant

c) A critical view of utilitarianism's failure to address the problems of crime and punishment was provided in the 1893 text "The Division of Labor" by this French sociologist.

Answer: Emile Durkheim

9) Lets see how well you remember the great 80s - the 1980s. Given a list of events, give the year, FTP each.

a) The US Senate imposes sanctions on South Africa for the first time; Kathryn Sullivan becomes the first woman to walk in space; Vietnam Vets settle their class action suit against seven agent-orange companies.

Answer: 1984

b) The nation first observes the birthday of Martin Luther King as a holiday; AZT is first announced as a possible AIDS treatment; the US bombs Tripoli and Benghazi, Libya in return for that nations alleged support for international terrorism; the space shuttle Challenger explodes moments after take-off for Cape Canaveral, Fla.

Answer: 1986

c) Sally Ride becomes the first US woman in space; Congress applies the War Powers Act to speed a US withdrawal from Grenada; NC State surprises everyone and defeats the University of Houston 54-52 to win the NCAA mens basketball tournament

Answer: 1983

10) FTP each, identify these facilities known for pioneering work in experimental physics .

a) Located near Chicago and named in honor of a notable physicist, this laboratory features a major proton accelerator with a magnetic ring apparatus called the "Tevatron".

Answer: Fermi National Accelerator Laboratory or Fermilab

b) Located in Geneva, Switzerland, the particle accelerators of this international organization were used to detect the W and Z bosons.

Answer: European Council (or Organization) for Nuclear Research or CERN

c) The highest-energy linear electron accelerator in the world is located at this West Coast university.

Answer: Stanford University

11) Identify these significant if not widely known Supreme Court cases 10 pts each.

a) This 1821 case involving illegal lottery tickets established the jurisdiction of the Court over criminal cases decided under state law.

Answer: Cohens v. Virginia

b) This 1964 case strengthened the constitutional guarantee of Gideon v. Wainwright by deciding that evidence obtained by denying an accused their 6th Amendment right to counsel was inadmissible.

Answer: Escobedo v. Illinois

c) This 1948 case held that while private parties are free to draft racially restrictive residential covenants, state courts may not enforce them.

Answer: Shelley v. Kraemer

12) Shakespeare on the Med. FTP each, identify the following concerning the coastal locales of Shakespeares plays.

a) This Asian city is the only non-European site mentioned in the title of a Shakespearean play.

Answer: Tyre

b) Although Don Pedro and Claudio are from Arragon and Florence, respectively, this Italian city is the setting for Much Ado About Nothing.

Answer: Messina

c) Strangely enough, this play gives the landlocked province of Bohemia a sea coast, on which a young princess is ordered abandoned by her insanely jealous father.

Answer: The Winters Tale

13) Identify these terms from earth science FTP each.

a) This term refers to a downward buckled fold of sedimentary rocks, in which the youngest layer of rocks occupies the trough between ridges.

Answer: syncline

b) This is the process that occurs when two tectonic plates collide and one is forced beneath the other into the mantle, often causing trench formation and deep-focus earthquakes.

Answer: subduction

c) This term refers to the large-scale equilibrium of different types of rock, indicating why low-density continental crust rises higher than high-density oceanic crust.

Answer: isostasy

14) Given a description, identify the musical instrument FTP each.

a) Its a keyboard instrument in which the strings are plucked rather than hit. The range is small but tonal effects are achieved by stops or registers.

Answer: harpsichord

b) A stringed instrument with a long neck and a smallish rounded soundbox. There are usually 7 strings - five melody and two drone: these are plucked by a player seated on cushions on the floor.

Answer: sitar

c) An alto oboe, somewhat larger than a standard oboe. Its bell is a pear-shaped bulb that helps to give the instrument a dark, melancholy tone.

Answer: English horn

15) Name these writers of Asia, FTP each.

a) Known as the Shakespeare of India, this Sanskrit dramatist wrote plays such as Shakuntala as well as narrative poems such as Raghuvansha.

Answer: Kalidasa

b) This Persian epic poet whose major work, the Shah-nama, detailed the history of Persia.

Answer: Firdusi or accept: Hasan or Mansur

c) This Lebanese-born poet was famous for his mystical work The Prophet.

Answer: Kahlil Gibran

16) Identify these scientists who participated in the study of enzymes for the stated number of points.

a) For 5 points, this French microbiologist was the first to discover that yeast is a living organism and not a chemical catalyst, paving the way for the isolation of enzymes.

Answer: Louis Pasteur

b) For 10 points, this German chemist experimentally proved that fermentation is caused by an enzyme, earning him the 1907 Nobel Prize in chemistry.

Answer: Eduard Buchner

c) For 15 points, in 1926 he was the first to isolate and crystallize an enzyme, urease, and show that it is a protein. For this work he shared the 1946 Nobel Prize with Northrop and Stanley.

Answer: James Sumner

17) Given the films, name the director, 30-20-10.

30) Day for Night (1973), Stolen Kisses (1968)

20) The Last Metro (1980), Small Change (1976)

10) Jules and Jim (1961), The 400 Blows (1959)

Answer: Francois Truffaut

18) FTP each, identify these facts from the English Civil War on the following clues.
a) This Parliament assembled in November, 1640 and impeached the Earl of Stafford.

Answer: Long Parliament

b) The House of Commons passed this protest of November 22, 1641 which listed the unconstitutional acts of Charles I and demanded reform.

Answer: Grand Remonstrance

c) This mans Purge was enacted when he led two regiments under orders from the Parliamentary army to oust offending members.

Answer: Thomas Pride

19) 30-20-10, name this element.

30) Although it is the most abundant metal in the earths crust, it does not occur uncombined but is an important component of many minerals.

20) Although not isolated until the 19th century, it was known of and used in antiquity. Oersted obtained it in impure form in 1825, but Wohler is credited with first isolating in 1827.

10) It is often used in wrapping material and cans, and its atomic number is 13.

Answer: Aluminum

20) Identify these types of architectural structures for the stated number of points.
Hint: These terms all begin with the letter "M".

a) For 5 points: In traditional Islamic architecture, this is the name given to the towers located adjacent to mosques for calling prayers.

ANS. minarets

b) For 10 points: This monstrous-sounding name is applied to both the principal hall of a Mycenaean palace or the holiest chamber of a Greek temple.

ANS. megaron

c) For 15 points: This type of rectangular stone tomb with inclined sides was common in ancient Egypt, and it developed stonework principles later used in the Pyramids.

ANS. mastaba

21) Name these two economists, For 15 pt each.

a) She served in the Carter Administration on its Council of Economic Advisors. She returned to the federal government as deputy director of the Office of Management and Budget (OMB) in 1993, became its director in 1994, and became vice-chairman of the Federal Reserve Board early this year.

Answer: Alice Rivlin

b) This macroeconomist developed a critique of economic modeling, stating that people learn to expect government interventions in the economy, thereby lessening their effects. It caused economists to reevaluate many macroeconomic models. His ex-wife receiving half the cash prize he received for receiving the Nobel Prize in Economics in 1995.

Answer: Robert Lucas