1. Although his only written work was actually composed by Conrad Wimpina, he was chastised for literary indulgence by the papal legate. Born in Leipzig, he entered the Dominican order in 1489, and his fame as a preacher led to his commission, in 1516, to solicit contributions to the building fund for St. Peter's. FTP, identify this promulgator of 122 counter-theses, a seller of indulgences who earned the ire of Martin Luther.

Answer: Johann Tetzel

2. The range with the longest wavelength is used to induce vitamin D formation and to treat psoriasis. The next range, from 290 to 320 nanometers, causes the skin to redden, while the shortest wavelengths can cause cancer. FTP, identify this type of radiation, which lies between visible light and X-rays and which constitutes the most damaging portion of sunlight.

Answer: ultraviolet (accept UV) radiation

3. The main character is forced into debt by his troubled wife, Louise, and by an affair with Helen, a young widow. He accidentally causes the death of his servant Ali, and commits suicide after altering his diary to hide the manner of his death from his wife. FTP, identify this novel, which ends when Wilson, a young intelligence agent, exposes Scobie's fraud, set in West Africa during World War II and written by Graham Greene.

Answer: The Heart of the Matter

4. A student of Corregio, his *Cupid Fashioning a Bow* was long attributed to his master. Moving to Rome in 1523, he was commissioned by Pope Clement VII to decorate the Sala de' Pontefici, producing the *Vision of Saint Jerome* before leaving the city when it was captured by Charles V. FTP, identify this painter, born Girolamo Mazzola, whose nickname comes from his birthplace and who is best known for the *Madonna with the Long Neck*.

Answer: Il Parmigianino (accept Girolamo Mazzola on early buzz)

5. In the first four hockey games, Canada outscored its opponents 104 to 2 before beating the United States, 6 to 1, in the final. The first medal went to the Americans, when speed skater Charles Jewtraw won the 500 meters, and, although fellow American Anders Haugen should have won a bronze, a scoring error prevented him from receiving it for 50 years. FTP, identify this Olympics, at which Norway and Finland won 27 of the 43 medals, the first Winter Olympics held.

Answer: Chamonix or 1924 Winter Olympics

6. It begins when Sir Charles proposes that his son should marry Kate. Thanks to Tony Lumpkin, Mrs. Hardcastle's dissolute son by a previous marriage, young Marlow and his friend Hastings think that the Hardcastle's home is an inn, and Marlow falls in love with Kate, believing her to be a servant. FTP, identify this 1773 comedy, subtitled "The Mistakes of a Night" and written by Oliver Goldsmith.

Answer: She Stoops to Conquer

7. He was the cup bearer for Artaxerxes Longimanus, who appointed him governor of Jerusalem in 444 B. C. After rebuilding the city walls, he repopulated the city by forcing residents of the neighboring districts to live there. FTP, identify this Biblical prophet, who returned to Jerusalem in 432, and whose book of the Bible is often paired with that of Ezra.

Answer: Nehemiah

8. He was one of Francis Dashwood's "Mad monks of Medmenham Abbey," and helped with the persecution of his friend John Wilkes. Succeeding his grandfather as Earl in 1729, he served as First Lord of the Admiralty from 1748 to 1751 and again from 1771 to 1782, when his incompetence led to British failures at sea during the Revolutionary War. FTP, give the better known title of John Montagu, after whom Captain Cook named an island group, and who was reputed to have been playing cards when his urge for a snack led to the invention of the food named for him.

Answer: Earl of Sandwich (accept John Montagu on early buzz)

9. The dams along this river include the American Falls, CJ Strike, Browlee, and Hells canyon. Its source is in Yellowstone National Park and it empties into the Columbia River. FTP, name this river which winds erratically through Idaho and Washington.

Answer: Snake River

10. In 1993, the 200th anniversary of his birth was celebrated with the unveiling of a plaque in Westminster Abbey. He studied mathematics on his own while working in his family's corn mill, not entering Cambridge until the age of 40 and dying shortly after receiving a fellowship there. FTP, identify this British mathematician, whose published his most important work in an obscure journal in 1828, and who was posthumously recognized for his theorem offering a way of solving partial differential equations by reducing volume integrals to surface integrals evaluated over a boundary.

Answer: George Green

11. She wrote poetry, children's books, and articles under the pen name of Saxe Holm, but is better known as a novelist. A good friend of Emily Dickinson, she urged her to publish her work, and her novel *Mercy Philbrick's Choice* is probably based on Dickinson's life. FTP, name this author of *Ramona*, whose disgust for the government's treatment of Native Americans prompted her to write *A Century of Dishonor*.

Answer: Helen Hunt Jackson

12. He liberated the Seisachtheia (SAYS-ak-they-a), people who had been enslaved for being in debt, changed the currency, and allowed the Thetes to elect magistrates. After ten years of voluntary exile, he returned to the city in 580, and in a poem convinced his fellow citizens to capture Salamis. FTP, identify this Athenian statesman, who became archon in 594, reformed the laws, and who was usurped by Pisistratus.

Answer: Solon

13. It was first identified in 1817 by the London doctor whom it is named after. Developing due to degeneration of the basal ganglia and spinal cord, its symptoms include festination, a monotonous voice, trembling hands, and a mask-like face. FTP, identify this incurable disease of the nerve system, which causes paralysis and death and which was originally known as "shaking palsy."

Answer: Parkinson's disease

14. Amset, Duamutef, Hapy, and Qebhsneuf (KEBS-nuf) were given places in the heavens to watch over him. The brother and husband of Nephthys (NEP-this), he was a chief god of the Hyksos, as well as the ruler of Upper Egypt. FTP, identify this deity, the uncle and rival of Horus who was the Egyptian god of evil.

Answer : Set

15. When Arnold tells him that he loves Mathilde, the daughter of Governor Gessler, he angrily demands that his friend help him overthrow the tyrannical governor. After the shepherd Leuthold kills one of Gessler's soldiers, the troops kidnap Melcthal, Arnold's father, and he joins the rebellion. FTP, identify this title character of a Rossini opera, a famed Swiss patriot and archer.

Answer: William Tell

16. By the age of 15, he already spoke 8 languages, and became a professor at Zagreb in 1891. While studying an earthquake in 1909, he discovered that both the P and S waves were of two types, and decided that one of each must have traveled through deeper rocks. FTP, name this Croatian scientist, who realized that beneath the Earth's crust is a denser mantle, and who measured the depth of the transition to be 30 kilometers, a discontinuity named for him.

Answer: Andrija Mohorovicic

17. Although it originally only applied to large post offices, custom houses, and the executive department, the president was authorized to extend the classified list at his discretion. Passed on January 16, it prohibited campaign contributions from being levied on federal office holders, and provided for a bipartisan commission to administer competitive examinations to applicants for federal positions. FTP, name this act of 1883, passed in response to the assassination of President Garfield by a disgruntled office seeker.

Answer: Pendleton act

18. He left his post at Heidelberg after experiencing a nervous breakdown in 1898, and did not return to teaching until the end of World War I. At his death, he left *Economy and Society* unfinished, a work which included his classifications of bureaucracy and power, as well as his sociology of religion. FTP, name this German thinker, who introduced the concepts of the "routinization of charisma" and the "Protestant ethic," who is considered a founder of sociology.

Answer: Max Weber

19. It was once thought that the Tityrus of the first one was representative of the author after his land was confiscated, while the Alexis beloved by Corydon in the second one was a beautiful slave boy given to the poet by Pollio. In the sixth, two boys and a naiad convince Silenus to sing to them, while the fourth was translated into Greek hexameters by the Emperor Constantine, and was thought to prefigure the coming of Christ. FTP, identify this collection of 10 poems, written between 42 and 35 B.C. by Virgil.

Answer: the Eclogues

20. He was criticized by Lenin in the 1909 essay *Materialism and Empirio-Criticism*. A disciple of the Enlightenment, he believed that any scientific term which refers to imperceptible quantities, like force, must be defined in term of perceptible sensations. FTP, identify this philosopher, a long time professor of physics at Prague whose research in acoustics led to his name being given to the unit of the speed of sound.

Answer: Ernst Mach

Boni:

1. Identify the B-initialed novelists from works on a 10-5 basis.
1. 10 points: *Dragon Seed* and *A House Divided*
5 points: *The Good Earth*
Answer: Pearl Buck
2. 10 points: *Cities of the Red Night* and *The Wild Boys*
5 points: *Naked Lunch*
Answer: William Burroughs
3. 10 points: *Kingdom of the Wicked* and *Any Old Iron*
5 points: *A Clockwork Orange*
Answer: Anthony Burgess

2. Identify the following people involved with famous crimes, FTP each.
1. In 1906, Harry Thaw shot this architect to death at Madison Square Garden for sleeping with his wife.
Answer: Stanford White
2. In 1966, this architecture student shot and killed 12 people from the tower at the University of Texas, Austin.
Answer: Charles Whitman
3. This carpenter was executed in 1936 for kidnapping a famous infant four years earlier.
Answer: Bruno Hauptmann

3. FTP each, identify these equations from physics.
1. The sum of pressure, gravitational potential energy per unit volume, and kinetic energy per unit volume is the same everywhere in a flow tube.
Answer: Bernoulli's equation
2. The square root of negative one, times Planck's constant over two pi, times the time derivative of the state vector, equals the Hamiltonian operating on the state vector.
Answer: Schrodinger equation
3. The derivative of the vapor pressure with respect to the temperature, at equilibrium, equals the latent heat of transition divided by the product of the temperature and the volume change.
Answer: (Clausius-) Clapeyron equation

4. Identify the following anthropological works of the twentieth century for the stated number of points.
1. 5 points: This 1928 work by Margaret Mead dealt with rites of passage in primitive society.
Answer: Coming of Age in Samoa
2. 10 points: This 1934 book by Ruth Benedict described cultures in terms of psychological sets, giving rise to cultural psychology.
Answer: Patterns of Culture
3. 15 points: This 1973 work by Clifford Geertz argued that symbols gain value by being used in social interactions, not through personal interpretations.
Answer: The Interpretation of Culture

5. Sam Raimi is having much success these days with his syndicated series *Hercules* and *Xena*. FTP each, name these other Raimi projects.
1. This 1995 TV series starred Gary Cole as the sheriff of Trinity, South Carolina.
Answer: American Gothic

2. This movie, third in the *Evil Dead* series, saw Bruce Campbell reprise his role as Ash, going back in time to fight
knights and living skeletons with a chainsaw in lieu of his missing hand.
Answer: Army of Darkness
3. This new series features a pair of post-Cold War spies working for the ECHO agency.
Answer: Spy Game

6. Answer the following questions concerning a contemporary American poet FTP each.
1. His early work includes *The Dispossessed* and a critical biography of Stephen Crane, though he achieved fame with 1956's *Homage to Mistress Bradstreet*.
Answer: John Berryman
2. John Berryman is best remembered for this collection of poems, the first 77 of which won the Pulitzer Prize in 1965.
Answer: The Dream Songs
3. Berryman took pains to state that this main character in the *Dream Songs* was a literary creation and not simply a mask for the author.
Answer: Henry

7. FTP each, identify the following German scientists of the nineteenth century who helped pioneer cell theory.
1. This physiologist coined the term "cell theory," and proposed that the egg is a single cell and that the cell is the basis of animal life.
Answer: Theodor Schwann
2. This botanist helped establish the fundamentals of cell theory, claiming that cells are the basic structures of plant life.
Answer: Matthias Schleiden
3. This pathologist proposed that every cell in body tissue comes from another cell in 1858.
Answer: Rudolf Virchow

8. Answer the following questions about the Korean conflict FTP each.
1. He was president of South Korea from 1948 to 1960.
Answer: Syngman Rhee
2. He succeeded MacArthur in 1951 as head of U.N. command in Korea.
Answer: Matthew Ridgway
3. Truce negotiations during the war took place near this town.
Answer: Panmunjom

9. Identify the following concerning a certain religion FTP each.
1. It is divided into two orders: the stricter Digambaras, who demand nudity and forbid female monks, and the Svetambaras, who admit an order of nuns.
Answer: Jainism
2. This name is given to Vardhamana Jnatrputra, the last of a series of 24 great teachers who is the legendary founder of Jainism.
Answer: Mahavira
3. One of the central tenets of Jainism is harmlessness to all beings, which is called this.
Answer: ahimsa

10. Identify the following rules of inference from symbolic logic FTP each.
1. This rule states that if p, and if p implies q, then q.
Answer: modus ponens or modus ponendo ponens
2. This rule states that if not q, and p implies q, then not p.
Answer: modus tollens or modus tollendo tollens
3. This rule states that if p or q and not p, then q.
Answer: modus tollendo ponens

11. Identify the following concerning a twentieth century play, for the stated number of points.
1. 10 points: In this play, which takes place over the course of two autumn days in County Mayo, Pegeen Mike and Widow Quinn fight over a man who claims to have killed his father.
Answer: The Playboy of the Western World
2. 5 points: Name the author of *The Playboy of the Western World*.
Answer: John M. Synge
3. 15 points: Name the main character of *The Playboy of the Western World*, who hits his father twice with a spade before returning home with him.
Answer: Christy Mahon

12. Christian Huygens argued that every point on a wave front may be regarded as the source of spherical wavelets, the envelope of which is the wave front at a later time.
1. FTP, what scientist added the hypothesis that the wavelets could interfere, implying the possibility of diffraction?
Answer: Augustin Fresnel
2. In 1819, another Frenchman, in an attempt to demolish Fresnel's wave theory, showed that it implied the presence of a bright spot in the center of any circular shadow, which he considered ridiculous. Yet a third French physicist demonstrated the spot. FTP, name either of those men.
Answer: Simeon Poisson or Francois Arago
3. The far-field form of diffraction is named for this German physicist who also studied the dark lines of the Sun's spectrum. FTP, name him.
Answer: Joseph von Fraunhofer

13. Identify the following concerning a contemporary American composer FTP each.
1. This student of Cowell and Schoenberg utilized chance in pieces like *Music of Changes*, a 1951 work for solo piano, though he went on to compose for the prepared piano.
Answer: John Cage
2. Perhaps John Cage's most famous work is a "composition" in which an instrumentalist or ensemble simply sits on stage in silence for this length of time.
Answer: 4 minutes and 33 seconds
3. In 1952, Cage wrote this work, his first piece for tape, and the fifth in a series of the same name written for record players, radios, and other instruments.
Answer: Imaginary Landscape Number 5

14. This bonus will test your knowledge of databases. FTP each, given a description of a key concept of database technology, name the term.
1. This is the term for the field in the table that acts as the unique identifier for a single record.
Answer: primary key
2. This is the name for a relationship between two tables where the primary key of one table acts as the primary key for a second table.
Answer: identifying relationship
3. This is the term for the process of going through a database and putting all tables and relationships into a logical, robust format.
Answer: normalization

15. Identify the following artistic terms FTP each.
1. This technique uses water based colors which turn opaque when they dry. With filler and binders, they produce a brittle surface and the appearance of pastels.
Answer: gouache
2. From the Italian for "placed opposite," this term refers to a way of posing standing, full-length figures with one free and one standing leg.
Answer: contrapposto
3. From the French for "rubbing," this technique makes materials visible on paper by rubbing.

Answer: frottage

16. FTP each, name these chemical processes.
1. The most commonly used industrial process for the production of nitric acid, it begins with the partial oxidation of ammonia and ends with the absorption of NO_2 into water.
Answer: Ostwald process
2. Sharing its name with a major chemical concern, this process for making acetic acid combines methanol and carbon dioxide produced economically through the partial oxidation of methane from natural gas.
Answer: Monsanto process
3. One of two primary methods, along with the sulfite process, used for the separation of lignin from cellulose in the production of paper. One of its names is German for "strength".
Answer: Kraft process or sulfate process

17. Identify the following concerning Philip II, FTP each.
1. The Holy League organized by Philip defeated the Turks at this 1571 naval battle.
Answer: Lepanto
2. Philip built this royal palace and monastery near Madrid between 1563 and 1584.
Answer: El Escorial
3. In 1580 Philip gained the crown of this country upon the demise of the Aviz dynasty.
Answer: Portugal

18. Identify the parts of *Remembrance of Things Past* in which the following events take place FTP each.
1. In this section, the narrator jumps from his love for Gilberte to the story of the title character's love for Odette years earlier.
Answer: Swann's Way or Un amour de Swann or Du côté de chez Swann
2. The narrator discovers that Baron Charlus (shar-LOO) is a homosexual in this part, which also sees him contemplate leaving Albertine before rumors that she is a lesbian revive his interest.
Answer: Cities of the Plain or Sodome et Gomorrhe
3. In this final part, World War I begins, and the narrator attends a party held by the new princess of Guermantes (gair-MONT).
Answer: The Past Recaptured or Time Regained or Le Temps retrouvé

19. Identify the following from the English Civil War FTP each.
1. Parliament issued this document, listing its grievances against King Charles I, in December of 1641.
Answer: the Grand Remonstrance
2. This battle of July 2, 1644 was a key victory for Cromwell's forces, giving them control of the north.
Answer: Marston Moor
3. At this event of December, 1648, 140 members of Parliament were arrested to put a stop to any negotiated peace, and the Rump Parliament voted to try the king.
Answer: Pride's Purge

20. Given a mountain, name the country in which it is found, FTP each.
1. For five points each, K2.
Answer: Pakistan and China
2. Kilimanjaro
Answer: Tanzania
3. Mt. Ararat
Answer: Turkey