1. After the fall of Jerusalem in AD 70, they disbanded and completely disappeared. Though they are commonly believed to be a single body, there were actually two of these: one had 23 men taken from the Sadducees which presided over political and civil matters while the more famous one had 71 Pharisee judges which presided over religious problems. For 10 points, what were these governing councils of the Jews during Roman times?
    Answer: <u>Sanhedrin</u>

2. It was founded in 1660 at the behest of Abraham Cowley and Robert Boyle who presented the plans for it. Samuel Peepys who was admitted in 1665 and later became its president, makes numerous references to it in his diary. For 10 points, identify this scientific organization that from 1703 to 1727 was headed by Sir Isaac Newton.
    Answer: <u>Royal Society</u> of London for Improving Natural Knowledge

3. In 1546 he published his Tiers Livre or Third Book under his own name and after it was condemned fled to Metz, where for a while he practiced medicine. He later published a Quart Livre and there is a Cinquiesme Livre that was published after his death whose authorship is uncertain. For 10 points, identify this 16th century French satirist, the creator of Gargantua and Pantagruel.
    Answer: Francois <u>Rabelais</u>

4. Probably the largest and most spectacular surving example is the Shwe Dagon in Rangoon and another of the more famous was the 15th century Porcelain tower. For 10 points, what are these 1 to 13 story towers common in Buddhist temple enclosures.
    Answer: <u>pagodas</u>

5. In 1667, over his wife's claim to the Spanish Netherlands, particularly the province of Braban and Hainault, he launched the War of the Devolution. For 10 points, identify this husband of Queen Maria Therese of France who ruled France from 1643 until 1715.
    Answer: <u>Louis XIV</u>

6. He was the only son of Laomedon not killed by Heracles for non-payment for slaying a monster sent by Poseidon against his city. For 10 points, identify this King of Troy and husband of Hecuba.
    Answer: <u>Priam</u>

7. Flos Campi, Pastoral Symphony, Job: A Masque for Dancing, Hugh the Drover, Riders to the Sea, and Fantasia on a Theme of Thomas Talis. For 10 points, all these are works by what British composer of Sinfonia Antarctica.
    Answer: Ralph <u>Vaughn Williams</u>

8. They have a palisade layer, sponge layer and a conduction tube and are attached to a branch by a petiole. For 10 points, what are these plant structures that also have veins, stomata, cuticles, and chloroplasts.
    Answer: <u>leaves</u>

9. Sextus Propertius was a 1st century BC elegaic poet that is little known today. However, his name might be familiar to students of American literature, as this man wrote an "Homage" to him. For 10 points, identify this poet whose life work was the epic, The Cantos.
    Answer: Ezra <u>Pound</u>

10. Another name for hawkweed, the first US National monument, a small rockey islet in northern French Guiana, and a violently portrayed marsupial of Australia's only island state. For 10 points, what one word appears in the names of each of these items?
    Answer: <u>Devil</u> or devil's (accept any answer with devil in it before FTP)

11. In December 1812, Captain William Bainbridge captured the British frigate Java off Bahia, Brazil.   Earlier that year, Isaac Hull had, after a 30 minute battle, left the Guerriere a total wreck. Both men were in command of one of the most famous warships in the history of the American navy. For 10 points, identify this ship that when pronounced unseaworthy in 1829 was saved by the efforts of poet Oliver Wendall Holmes.

Answer: USS <u>Constitution</u> prompt for more info on "Old Ironsides"

12. Born in 1779 in Vavesunda, Sweden, he showed little interest in conventional studies in his youth and was saved from failure at the medical school of Uppsala only by a good showing in Physics. As a hospital technician he carried on investigations in chemistry in his spare time where his results were so good that he become a professor at the Stockholm medical college. For 10 points, identify this Swedish chemist who discovered cerium, selenium, and thorium.

Answer: Jons Jakob <u>Berzelius</u>

13. It was based on material drawn from the Gesta Romanorum and Giovanni Fiorentino's Il Pecorone. For 10 points, what was this Elizabethan play in which the figure or Shylock is tranformed from a buffoon into a dignified tragic character.
                    Answer: The Merchant of Venice

14. Her autobiography was entitled And a Voice to Sing With and appeared in 1987 two years after she left semi-retirement to return to the stage. For 10 points, identify this Staten Island born singer who was big in the 1960s with her recordings of American folk ballads, her own songs, and those of Bob Dylan.
                    Answer: Joan Baez

15. Also called the Labe in Czechoslovakia, it flows 724 miles from the Sudeten Mountains along the Czech-Polish frontier, across Germany to empty into the North Sea at Cuxhaven near Hamburg. For 10 points, identify this important waterway of Central Europe that from 1949 to 1990 served as part of the border between East and West Germany.
                    Answer: Elbe

16. Written around 8 AD, it is a poem in fifteen books that relates in epic style the stories of Arachne, Midas, Daphne and Deucalion and Pyrrha among others. For 10 points, what is this work by Ovid what tells of the many remarkable transformations of Greek mythology.
                    Answer: Metamorphoses

17. Though the dynasty existed earlier, its name was only adopted after the conquest of the Sun Empire in 1279. It grew steadily weaker and was finally overthrown by the founder of the Ming dynasty. For 10 points, what was this Chinese dynasty founded by Kublai Khan?
                    Answer: Yuan dynasty

18. He published Maid in Waiting, Flowering Wilderness, and Over the River together the "End of the Chapter". For 10 points, identify this author who in these novels continued the saga of the family he created earlier in his trilogies A Modern Comedy and The Forsyte Sage.
                    Answer: John Galsworthy

19. When it was first discovered, it was jokingly referred to as the "yukon." It was discovered by the English physicist Cecil Frank Powell while working out a new method of particle detection in the Bolivian Andes. For 10 points, what was this particle that turned out to have the specific mass predicted by the theoretical work of Hideki Yukawa?
                    Answer: pion or pi-meson (prompt for more info on meson)

20. It was located in the extreme northern corner of South Vietnam, near the DMZ and the border with Laos. On January 21, 1968 it was attacked and until relief came on April 7, was held under seige at the cost 10,000 North Vietnamese dead. For 10 points, what was this U.S. base that was abandoned not long after the seige was lifted?
                    Answer: Khe Sanh

1. Give the losing candidate for the following parties in the stated Presidential elections for ten points each.
1. Democratic, 1872   Answer: Horace <u>Greeley</u>
2. Federalist, 1812   Answer: <u>DeWitt</u> <u>Clinton</u>
3. Constitutional Union, 1860   Answer: John <u>Bell</u>

2. Give the period in terms of pi of the following trigonometric functions for 10 points each.
1. sin(2x)   Answer: <u>pi</u>
2. tan(x)   Answer: <u>pi</u>
3. cos(3x + pi)   Answer: <u>2 pi over three</u> or two-thirds pi

3. Given characters in an opera performed in the French language, identify it for ten points each. You will receive five points if you need the composer.
1.   10: Count Hugo, Cunegonde, and Mephistophiles
         5: Charles Gounod
         Answer: <u>Faust</u>
2.   10: Golaud, Arkel, and Genovoeve
         5: Claude Debussey
         Answer: <u>Pelias and Melisande</u>
3.   10: John Styx, Jupiter, Cupid, and Eurydice
         5: Jacques Offenbach
         Answer: <u>Orpheus in the Underworld</u>

4. Answer the following questions about Australian geography.
1. For 10 points, within the boundaries of what state is the Capital Territory containing Canberra?
         Answer: <u>New South Wales</u>
2. For an additional 10 points, off the coast of which Australian state lies the Great Barrier Reef?
         Answer: <u>Queensland</u>
3. For a final 10 points, what state's capital is named after the consort of King William IV of England?
         Answer: <u>South Australia</u> (Adelaide)

5. Identify the authors of the following winners of the Pulitzer Prize for poetry for 5 points each.
1. The Age of Anxiety   Answer: W.H. <u>Auden</u>
2. John Brown's Body   Answer: Stephen Vincent <u>Benet</u>
3. What's O'Clock   Answer: <u>Amy Lowell</u>
4. The Dolphin   Answer: <u>Robert Lowell</u>
5. Thomas and Beulah   Answer: Rita <u>Dove</u>
6. A Witness Tree   Answer: Robert <u>Frost</u>

6. Give the common year of the following events on a 10-5 basis (3 parts, 10 pts. each):
1.   10: Korean admiral Visunsin invents ironclads; Tycho Brahe publishes is major findings; Boris Godunov becomes czar in Russia
         5: Ben Johnson writes Every Man in His Humor; Phillip II of Spain dies, Henry IV of France issues the Edict of Nantes
      Answer: <u>1598</u>
2.   10: Thomas Chippendale publishes a comprehensive catalouge of furniture design; carbonic gas is discovered by John Black; work on the Winter Palace in St. Petersburg was begun
         5: The Albany Congress is convened by the American colonists; the first female doctor graduates from U. of Halle; war starts between Britain and France in North America
      Answer: <u>1754</u>
3.   10: George Garrow proposes the Big Bang theory; Albert Camus publishes The Plague; The National Party comes to power in South Africa and imposes apartheid
         5: the Soviet Union blockades Berlin; Alfred Kinseypublishes Sexual Behavior in the Human Male; London hosts the Olympics; and Israel gains its independence
      Answer: <u>1948</u>

7. Give the phylum of the following creatures for 10 points each.
1. sea cucumber   Answer: <u>echinodermata</u> or echinoderms

2. leeches   Answer: <u>annelida</u> or annelids
3. amphioxus   Answer: <u>chordata</u> or chordates

8. Identify these Latin American authors for 10 points each.
1. This Colombian author's works include <u>The General in His Labyrinth</u> and <u>Love in the Time of Cholera</u>.
    Answer: Gabriel <u>Garcia-Marquez</u>
2. This Argentinian author wrote The Book of Sand, The Garden of Forking Paths, and The Seven Nights.
    Answer: Jorge Luis <u>Borges</u>
3. This Guatemalan author's works include Men of Maize, The Green Pope, The Eye of the Interred
    Answer: Miguel <u>Asturias</u>

9. Identify the following about the myth of Agamemnon for the stated number of points.
1. For five points, what was the name of his daughter whom he had to sacrifice in order to gain a favorable wind to cross the Aegean Sea to Troy.
    Answer: <u>Iphigenia</u>
2. For ten points, what mistress of Achilles did Agamemnon take causing Achilles to lay down his arms and withdraw from the Trojan War?
    Answer: <u>Briseis</u>
3. For fifteen points, what lover of Clytemnestra stabbed Agamemnon when he brought home Cassandra as his prize of war?
    Answer: <u>Aegisthus</u>

10. For 10 points each, identify the 19th century British women who wrote the following.
1. The Mysteries of Udolpho
    Answer: Anne <u>Radcliffe</u>
2. The Goblin Market
    Answer: Christina <u>Rossetti</u>
3. Cranford and Mary Barton
    Answer: Elizabeth <u>Gaskell</u>

11. Identify the following devices from physics for 10 points each.
1. It is a particle accelerator that transfers a charge from an electron source to an insulated sphere by means of a moving belt composed of an insulating material.
    Answer: <u>Van de Graaff</u> generator
2. This is a cyclic accelerator for acclerating a continuous beam of electrons to high speeds by means of the electric field produced by a changing magnetic flux.
    Answer: <u>betatron</u>
3. This is a ring-shaped device, one of which is the JET in Culham, England, in which a plasma is contained for experiments in fusion reactions.
    Answer: <u>tokamak</u>

12. Identify the following Stoic philosophers from a brief description for ten points each.
1. Meditations was the best known work of this Stoic philosopher.
    Answer: Marcus <u>Aurelius</u>
2. This Stoic philosopher began his teaching as a slave in Rome, but he was freed when Domitian expelled all the philosophers.
    Answer: <u>Epictetus</u>
3. This disciple of the Cynic philosopher, Crates, is often regarded as the founder of the Stoic school of philosophy.
    Answer: <u>Zeno</u> of Citium

13. Identify the following Athenian figures for 10 pts each.
1. This Athenian leader secured the ostracism of Cimon. He arranged a truce with Sparta in 445 B.C.
    Answer: <u>Pericles</u>
2. In 415 B.C. this Athenian was falsely charged with defacing the city's statues of Hermes and fled to Sparta. He later betrayed Sparta and returned to Athens.
    Answer: <u>Alcibiades</u>
3. Succeeded by his sons, Hippias and Hipparchus, he was a moderate and far-sighted tyrant of Athens and patron of the arts serving from 546-527 B. C.
    Answer: <u>Pisistratus</u>

14. Identify the following pupils of Sigmund Freud for 10 points each.
1. He coined the term "inferiority complex"
    Answer: Alfred <u>Adler</u>

2. He coined the term "extrovert"

      Answer: Carl <u>Jung</u>

3. He coined the term "birth trauma"

      Answer: Otto <u>Rank</u>

15. Given the following atomic weights: sulfur - 32, silicon - 28, oxygen - 16, hydrogen - 1. Find for 15 points each:
1. the fraction of sulfur by mass in sulfuric acid
        Answer: 16/49 or 32/98
2. the fraction of silicon by mass in quartz
        Answer: 7/15 or 14/30 or 28/60

16. Identify the early American artists who painted the following historical scenes for 10 points each.
1. The Signing of the Declaration of Independence
        Answer: John Trumbull
2. John Adams and James Monroe
        Answer: Gilbert Stuart
3. Saul and the Witch of Endor
        Answer: Benjamin West

17. The year 46 B.C. was made 445 days long to correct for errors in the previous Roman calendar.
1. For 5 points, who instituted this reform?
        Answer: Julius Caesar
2. For 10 points, exactly how long was the year established to be by the Julian Calendar?
        Answer: 365 1/4 days (or, 365 days, 6 hours)
3. For 5 points, what pope reformed the calendar in the 16th century?
        Answer: Gregory XIII
4. For 10 points, within 5, in what year did Gregory reform the papal calendar?
        Answer: 1582 (accept 1577-1587)

18. Give the authors of the following works of American literature beginning with "I" for 5 points each.
1. Imp of the Perverse   Answer: Edgar Allan Poe
2. In Cold Blood   Answer: Truman Capote
3. Ichabod   Answer: John Greenleaf Whittier
4. In Dubious Battle   Answer: John Steinbeck
5. In the American Grain   Answer: William Carlos Williams
6. Idiot's Delight   Answer: Robert Sherwood

19. Identify this American on a 30-20-10 basis:
1. In the Mexican War, he served as brig. gen. to a group of volunteers under Winfield Scott and upon returning, Was nominated by the Democrats on the 49th ballot over Lewis Cass, James Buchanan, and Stephen Douglas.
2. While in office, he brought ancestors of this question writer to the US by sending Matthew Perry to Japan. He also extended the US southern border with the Gadsden Purchase, signed the Kansas-Nebrasa Act, and recognized the William Walker fillibuster gov't in Nicaragua
3. This New Hampshire-born & 14th US President was a classmate of Hawthorne at Bowdoin and defeated Winfield Scott in 1852 for the office
      Answer: Franklin Pierce

20. Identify these west European rivers for 10 points each.
1. It is the longest river in France
        Answer: Loire
2. It is the longest river entirely within Spain
        Answer: Ebro
3. It is the river on which you would find the city of Lisbon.
        Answer: Tagus