

## 1993 Hop on Pop Invitational Nov. 19-20, 1993

Vanderbilt A

Tossups

- 1 This is a programming technique that improves the efficiency of a computer search process, possibly by sacrificing claims of completeness. It allows approximate solutions to problems that would otherwise result in a combinatorial explosion. Unlike an algorithm, it does not follow a preset order of decisions. FTP, give this term, derived from the Greek for "to discover."

ans: heuristic programming

- 2 He served in the U.S. House of Representatives from 1863 to 1880, having resigned his commission as major general in the Union Army to pursue this post. In January 1880 he was elected to the senate, but never served due to his nomination to the presidency by the Republican party. FTP, who was this man assassinated by Charles Guiteau?

ans: James A. Garfield

- 3 Certainly one of the most frequently mentioned terms in the Bible, it is one of the three things mentioned in verse 13 of I Corinthians 13. FTP, what is this word defined in Hebrews 11:1 as the assurance of things hoped for, the conviction of things not seen?

ans: faith

- 4 Although his early years were occupied mainly with the violin, he eventually turned to composition and it is for his 7 orchestral symphonies and his symphonic poems that he is chiefly known. His *Kullervo* and *Lemminkäinen* helped him get established, but he is probably better known for works such as *Finlandia*. FTP, who is this Finnish composer?

ans: Jean Sibelius

- 5 *In a Green Night*, *The Gulf*, *Another Life*, *Sea Grapes*, *The Star-Apple Kingdom*, and *Midsummer* are among his many books of poetry. Although he now resides in Trinidad and Boston, he is probably the most famous native of St. Lucia. FTP, who is this poet, recipient of the 1992 Nobel Prize for Literature?

ans: Derek Walcott

- 6 Sometimes called Lake Tiberius or Lake Gennesaret, it lies 696 feet below sea level. It is a freshwater lake which is now within Israel. FTP, name this lake formed by the Jordan River and made famous by Christ's exploits there.

ans: Sea of Galilee

- 7 This actinide was first made in 1955 by alpha-particle bombardment of einsteinium 253. Its most stable isotope has a mass of 258. FTP, name this element, which was named for a Russian chemist and has an atomic number of 101.

ans: mendelevium

- 8 With 36 , it has the most scenes of any Shakespeare play. Although is is a tragedy, its humor is neither grim nor pitiful and it contains none of the savagery of *Macbeth* and *King Lear*. Eros, Philo, Agrippa, and Taurus are some of its many characters. FTP, what is this play based largely on works of Plutarch?

ans: Antony and Cleopatra

- 9 It derives its name from the combination of the little Dutch farming village from which its owners ancestors had emigrated to Staten Island and an Old English word for "rolling uplands." Richard Morris Hunt was the architect of the 255 room house. FTP, what is this building located in Asheville, NC, the largest private residence in the U.S.?

ans: Biltmore Estate

- 10 Only about 35 of his paintings survive from his brief life, and all but three represent interiors modest in size and sparsely furnished. Although contemporary sources barely mention him, today he is univervally considered second to Rembrandt among Dutch painters. FTP, who is this artist, the creator of such works as *View of Delft* and *Kitchen Maid*?

ans: Jan Vermeer

- 11 When he fell ill in 1244 he vowed to go on a crusade if he recovered. His mother, Blanche of Castile, served as regent during his first crusade. His capture led to a heavy ransom and he was eventually forced to return to France upon his mother's death. FTP, who was this French monarch whose unusual piety led to his canonization in 1297?

ans: Louis IX (more specific if St. Louis is given)

- 12 "We can't win at home. We can't win on the road. As a general manager, I just can't figure out where else to play," stated Pat Williams on this NBA team's dismal 1991-92 start. But my how fortunes changed when this team got Shaquille O'Neal. FTP, name it.

ans: Orlando Magic

- 13 In geology, it's a small, spherical cavity of volcanic rock produced by bubbles of gas or air in the molten rock. In cell biology, it is used to transfer proteins from the endoplasmic reticulum to the Golgi complex. FTP, what is the shared term?

ans: vesicle

- 14 His political career began with his appointment as one of Lincoln's assistant private secretaries. He later became the secretary of legation of paris, the assistant secretary of state under Rutherford B. Hayes, and an ambassador to Britain under McKinley. FTP, who was this man who acquired the Panama Canal zone and created the Open Door policy while holding the position of secretary of state under Theodore Roosevelt?

ans: John Hay

- 15 Most of his literature was produced during his two prison stints. A tinkerer by trade, his violation of the Test Act gave him the time to write his spiritual autobiography, *Grace Abounding to the Chief of Sinners*. FTP, who is this author of the most popular allegory in English literature, *The Pilgrim's Progress*?

ans: John Bunyan

- 16 Havering, Bexley, Sutton, Croydon, Harrow, Ealing, Camden, Greenwich, Wandsworth, Hackney, and Westminster. These are all boroughs FTP, of what major city?

ans: London

- 17 According to Mesopotamian myth, the goddess Aruru fashions his figure out of clay, a wild human creature of the steppes, of supassing strength. He is sent to subdue the arrogance of Gilgamesh, but after a trial of strength the two become fast friends. FTP, who is this mythologican personage whose death leads Gilgamesh to seek immortality?

ans: Enkidu

- 18 As one of the earliest reformers, he was one of the first to declare the pope was the antichrist. The author of the works *On Divine Dominion* and *On Civil Dominion*, his belief that the Bible should be available in the vernacular led him to begin the first English Translation. FTP, who was this English reformer of the fourteenth century?

ans: John Wycliff

- 19 Buford and Eula May Bumpkin went to Graceland last week and bought 5,000 Elvis stamps. While in Memphis, on their way back to the Downtown Tupelo Trailer Home Park, they got a great deal on some velvet Elvis paintings. Since they bought 12 paintings, they got a 20% discount on the \$45 regular price. So, FTP, if they bought nothing else, how much did the Bumpkins spend on their Memphian sojourn?

ans: \$1,882

- 20 In the year of his death, 1920, this sociologist helped draft the German constitution. He disagreed with the Marxist stress on economics and emphasized the importance of causative factors in social action. He also insisted that the social sciences should be empirical and free of value judgments. FTP, name this man, the author of *The Protestant Ethic and the Spirit of Capitalism*.

ans: Max Weber

- 21 When Erika Salumae won the women's sprint cycling race, her country's flag was flown upside-down. It was flown with the white stripe on top, instead of the blue stripe. Of course, the black stripe remained in the middle. FTP, name this country, the northernmost of the Baltics.

ans: Estonia

- 22 The exhibition opened February 17, 1913, with a band bravely playing and art students distributing catalogues and badges with the pine-tree flag of the American revolutionary period and the fitting inscription, "The New Spirit." FTP, what was this show funded by Arthur Davies which customarily marks the arrival of modern art to America?

ans: the Armory show

- 23 Last year was not a good one for former German leaders. Not only did Willy Brandt die, but this man, President from 1979 to 1984, also kicked

the bucket. FTP, name this man who helped write the Treaty of Rome, which led to the establishment of the European Community.

ans: Karl Carstens

- 24 She used to be a dancer, a civil rights activist, and a professor. Now, she is better known as an author and poet, who will compose a poem for Bill Clinton's inaugural celebration. FTP, name her, the author of *I Know Why the Caged Bird Sings*.

ans: Maya Angelou

- 25 He was born on December 28, 1856 in Virginia and lived in Georgia and the Carolinas during his youth. He was the most highly educated President ever, having received a Ph.D. from Johns Hopkins in political science. He became president of Princeton University and while there was elected governor of New Jersey, his only political office before being elected president in 1912. FTP, name him.

ans: Woodrow Wilson

- 26 The queen of England is Elizabeth II, and it's hard to make an interesting question about her. So, you'll get 10 points for naming the country where Margrethe II (mar-GRAY-tuh) is queen.

ans: Denmark

- 27 This product is made in Waterbury, Vermont, with the main ingredient being supplied by the St. Albans Cooperative Creamery. FTP, name this brand of ice cream whose moniker is derived from the creators' names, not from those of the Horne brothers on *Twin Peaks*.

ans: Ben & Jerry's

- 28 Written during the evenings of one week, the incidents of this fable are arranged to test a variety of possible solutions to the problem What choice of life will bring us happiness? FTP, name this Samuel Johnson work cast in the form of an Oriental tale and subtitled *Prince of Abyssinia*.

ans: *The History of* Rasselas

## Bonuses

### Questions by Vanderbilt One

1\tab 25\tab For 5 points each, identify the following economic terms.\par

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\tab A.\tab a joint action, usually by oligopolists, to control prices and market share\par

\tab \tab \tab ans:\tab {\ul collusion}\par

\tab B.\tab the expression for a person engaged in manual employment\par

\tab \tab \tab ans:\tab {\ul blue-collar} worker\par

\tab C.\tab originally a French betting system in which the stakes are doubled after each loss to assure a favorable outcome with a high probability of success\par

\tab \tab \tab ans:\tab {\ul martingale}\par

\tab D.\tab the law that asserts 'bad money drives out good'\par

\tab \tab \tab ans:\tab {\ul Gresham's} law\par

\tab E.\tab a demand which causes the price of a good to be much higher than its intrinsic value\par

\tab \tab \tab ans:\tab {\ul fad}\par

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2\tab 20\tab Identify each of the following musical terms from its dynamic mark for 5 points each.

For example, 'cres.' means crescendo.\par

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\tab A.\tab pp\tab \tab ans:\tab {\ul pianissimo}\par

\tab B.\tab f\tab \tab ans:\tab {\ul forte}\par

\tab C.\tab sf\tab \tab ans:\tab {\ul sforzando} or {\ul sforzato}\par

\tab D.\tab dim.\tab \tab ans:\tab {\ul diminuendo}\par

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3\tab 30\tab Name the playwright from his or her works on a 30-20-10 basis.\par

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\tab 30.\tab {\i Ajax} and {\i Electra}\par

\tab 20.\tab {\i Philoctetes} and {\i Trachiniao}\par

\tab 10.\tab {\i Oedipus at Colonus}, {\i Oedipus Rex} and {\i Antigone}\par

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ans:\tab {\ul Sophocles}\par

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4\tab 25\tab

A crucial technique used by biochemists to determine the sequence of amino acids in a protein is named after the man who developed it. The method consists of removing one residue at a time from the amino end of a peptide repeatedly and recognizing the loose peptide. For 25 points, name this man, whose process can be used for peptides up to about 50 amino acids in length.\par

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ans:\tab Pehr {\ul Edman}\par

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5\tab 30\tab According to the World Bank's most recent figures, 1991, the U.S. ranked tenth in per capita income. For 5 points each, name any six of the nine countries ranked higher.\par

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ans:\tab {\ul Switzerland}, {\ul Luxembourg}, {\ul Japan}, {\ul Sweden}, {\ul Finland}, {\ul Norway}, {\ul Denmark}, {\ul West Germany}, {\ul Iceland}\par

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6\tab 30\tab Back to those World Bank figures again. This time, for 10 points each, name the three poorest nation by per capita income, all of which are African.\par

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ans:\tab {\ul Mozambique}, {\ul Tanzania}, {\ul Ethiopia}\par

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7\tab 30\tab Name the year on a 30-20-10 basis.\par

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\tab 30.\tab Mexico cedes much of what is now the American southwest to the U.S. as a result of their defeat in the Mexican-American War.\par

\tab 20.\tab Zachary Taylor, U.S. war hero, is elected president, only to die two years later.\par

\tab 10.\tab Revolution rocks almost every nation in Europe. This year drew numerous comparisons with 1989 in the annals of European history.\par

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ans:\tab {\ul 1848}\par

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8\tab 30\tab We hope you'd've paid attention to the road signs on all those exciting family vacations. For 5 points each, given a group of cities, give the interstate that passes through them.\par

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\tab A.\tab Paducah KY, Nashville, Chattanooga\tab \tab ans:\tab {\ul 24}\par

\tab B.\tab Albuquerque, Little Rock, Asheville NC\tab ans:\tab {\ul 40}\par

\tab C.\tab Greater Chicago, Indianapolis, Birmingham\tab ans:\tab {\ul 65}\par

\tab D.\tab St. Louis, Huntington WV, Richmond VA\tab ans:\tab {\ul 64}\par

\tab E.\tab Detroit, Cincinnati, Atlanta\tab \tab \tab ans:\tab {\ul 75}\par

\tab F.\tab Louisville KY, Cincinnati, Cleveland\tab \tab ans:\tab {\ul 74}\par

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9\tab 30\tab Demonstrate your knowledge of earth science by identifying the following terms for the stated number of points.\par

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\tab A.\tab For 5 points, it'd's a curve or bend in a stream or river.\par

\tab \tab \tab ans:\tab {\ul meander}\par

\tab B.\tab For 10 points, it'd's the deposit of material made along its margins by an advancing or retreating glacier.\par

\tab \tab \tab ans:\tab {\ul moraine}\par

\tab C.\tab For 15 points, it is a group of rock layers curved into a downward fold.\par

\tab \tab \tab ans:\tab {\ul syncline}\par

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10\tab 30\tab For 10 points each, name the authors of these Oriental-sounding books.\par

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\tab A.\tab {\i Zen and the Art of Motorcycle Maintenance}\par

\tab \tab \tab ans:\tab Robert {\ul Pirsig}\par

\tab B.\tab {\i The Tao of Pooh}\par

\tab \tab \tab ans:\tab Benjamin {\ul Hoff}\par

\tab C.\tab {\i You Gotta Have Wa}\par

\tab \tab \tab ans:\tab Robert {\ul Whiting}\par

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11\tab 30\tab Given a brief description, name the religion for 10 points each.\par

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\tab A.\tab It began in 1844 in Iran and preaches that all religions are in agreement and that their prophets or founders revealed the will of God in their own time and place in history. It is named for its prophet and founder.\par

\tab \tab \tab ans:\tab {\ul Baha'd5i}\par

\tab B.\tab This religion'd's followers mainly consist of immigrants to India from Persia who follow the preachings of Zoroaster.\par

\tab \tab \tab ans:\tab {\ul Parsis}\par

\tab C.\tab Founded by Charles Russell in the 1870s, its members are constantly looking for signs of the end of the world. They are best known for their door-to-door encounters.\par

\tab \tab \tab ans:\tab {\ul Jehovah'd5s Witnesses}\par

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12\tab 30\tab Given a junior Senator in the 103rd Congress, name the senior Senator from that state. For example, if I said Harlan Mathews, you would say Jim Sasser. You'd5ll get 5 points apiece.\par

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\tab A.\tab Alfonse M. D\ 'd5Amato\par  
\tab \tab \tab ans:\tab Daniel Patrick {\ul Moynihan} (NY)\par  
\tab B.\tab Paul Coverdell\par  
\tab \tab \tab ans:\tab Sam {\ul Nunn} (GA)\par  
\tab C.\tab Daniel K. Akaka\par  
\tab \tab \tab ans:\tab Daniel K. {\ul Inouye} (HI)\par  
\tab D.\tab Carol Moseley Braun\par  
\tab \tab \tab ans:\tab Paul {\ul Simon} (IL)\par  
\tab E.\tab Nancy L. Kassebaum\par  
\tab \tab \tab ans:\tab Robert {\ul Dole} (KS)\par  
\tab F.\tab John D. Rockefeller IV\par  
\tab \tab \tab ans:\tab Robert C. {\ul Byrd} (WV)\par  
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13\tab 30\tab How well do you know your video-game programmers? I\ 'd5I'll name two games from a programmer, and you give me the programmer for 10 points each.\par  
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\tab A.\tab {\i Karateka} and {\i Prince of Persia} for the PC\par  
\tab \tab \tab ans:\tab Jordan {\ul Mechner}\par  
\tab B.\tab {\i Pitfall!} for the Atari 2600 and {\i Amazing Tennis} for the Super Nintendo\par  
\tab \tab \tab ans:\tab David {\ul Crane}\par  
\tab C.\tab {\i Railroad Tycoon} and {\i Civilization} for the PC\par  
\tab \tab \tab ans:\tab Sid {\ul Meier}\par  
\par

14\tab 30\tab Bill Clinton\ 'd5s inauguration is coming up in Washington this week. However\ 'd1get this!\ 'd1five other cities have held presidential inaugurations. For 5 points each, with a 5-point bonus for all 5, name them.\par  
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ans:\tab {\ul New York} City, NY (Washington), {\ul Philadelphia}, PA (J. Adams), {\ul Dallas}, TX (L. Johnson), {\ul Buffalo}, NY (T. Roosevelt), {\ul Plymouth}, VT (Coolidge)\par  
\par

15\tab 30\tab Name the year on a 30-20-10 basis.\par  
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\tab 30:\tab Norman Sander and Katherine Switzer won the New York Marathon.\par  
\tab 20:\tab Newspaper heiress Patty Hearst was kidnapped by the Symbionese Liberation Army.\par  
\tab 10:\tab Richard Nixon resigns from the presidency.\par  
\par  
ans:\tab {\ul 1974}\par  
\par

16\tab 30\tab We\ 'd5re sure you\ 'd5ve had that depressing question where you had to put {\i Hamlet} characters in order of their death. So, we\ 'd5re going to ask you a similar question, except you put the characters in the order in which they speak their first line. 5 points each. The characters are: Claudius, Hamlet, Horatio, Laertes, Ophelia, and Osric.\par  
\par

ans:\tab {\ul Horatio} (I.i.16), {\ul Claudius} (I.ii.1), {\ul Laertes} (I.ii.50), {\ul Hamlet} (I.ii.65), {\ul Ophelia} (I.iii.4), {\ul Osric} (V.ii.81)\par  
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17\tab 30\tab Do you know your cords? Let\ 'd5s see. For 10 points each, answer these cord-related questions.\par  
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\tab A.\tab How many cords of wood are in a wooden cube measuring 8 feet on a side?\par  
\tab \tab ans:\tab {\ul 4}\par  
\tab B.\tab Circle O has a radius of 1. Arc AB has a measure of  $2\pi$  over 3. What is the length of chord AB?\par



\tab \tab ans:\tab {\ul square root of 3}\par

\tab C.\tab If I played a D, an F, and a B simultaneously on my Yamaha PSS-480 keyboard, what type of a chord is made?\par

\tab \tab ans:\tab {\ul diminished} chord\par

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18\tab 30\tab Name the person on a 30-20-10 basis.\par

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\tab 30.\tab He was a descendant of the House of Este, the oldest of the ruling houses of Italy, and the Carys, a line of knights and nobles in England.\par

\tab 20.\tab He was a member of the U.S. House of Representatives from Tennessee from 1939 to 1948 and a Senator from 1948 until his death in 1963.\par

\tab 10.\tab He campaigned for the Democratic Presidential nomination in 1952 and 1956. He wound up with the Vice-Presidential nomination in 1956 under Adlai Stevenson Jr.\par

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ans:\tab (Cary) Estes {\ul Kefauver}\par

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19\tab 25\tab Give the playwrights of these dramas for 5 points each.\par

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\tab A.\tab {\i Riders to the Sea}\tab \tab \tab ans:\tab John {\ul Synge}\par

\tab B.\tab {\i Mother Courage}\tab \tab \tab ans:\tab Bertold {\ul Brecht}\par

\tab C.\tab {\i Krapp\'d5s Last Tape}\tab \tab \tab ans:\tab Samuel {\ul Beckett}\par

\tab D.\tab {\i \'d2Master Harold\'d3...and the boys}\tab ans:\tab Athol {\ul Fugard}\par

\tab E.\tab {\i Top Girls}\tab \tab \tab \tab ans:\tab Caryl {\ul Churchill}\par

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20\tab 30 \tab For 10 points each, name the moon of Jupiter from a mythological clue.\par

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\tab A.\tab This lover of Zeus was turned into a white heifer. Eventually, she returned to human form and was an ancestor of Heracles.\par

\tab \tab ans:\tab {\ul Io}\par

\tab B.\tab She was the daughter of Lycaon, an Arcadian king. They were turned into wolves. Zeus had mercy on her and fell in love with her, but Hera thought otherwise of it and turned her into Ursa Major.\par

\tab \tab ans:\tab {\ul Callisto}\par

\tab C.\tab The wife of King Tyndareus, she had four children\'d1Helen, Castor, Pollox, and Clytemnestra.\par

\tab \tab ans:\tab {\ul Leda}\par

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21\tab 30\tab It\'d5s time for a question on the most disgusting college basketball game ever played, the 1992 East Regional Finals between Duke and Kentucky. Everyone should have the image of Christian Laettner\'d5s jumper from the free throw line with no time left to win the game burned into their brain. But, how much do you remember about the rest of the game? For 10 points each, answer these questions.\par

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\tab A.\tab Who made the 75-foot pass from out of bounds to Laettner to set up Duke\'d5s victory?\par

\tab \tab \tab ans:\tab {\ul G}rant {\ul Hill}\par

\tab B.\tab Who hit the shot to put Kentucky ahead 103-102 with 2.1 seconds in overtime?\par

\tab \tab \tab ans:\tab Sean {\ul Woods}\par

\tab C.\tab Who was the Kentucky player Laettner intentionally stepped on earlier in the game, resulting in a technical foul for Laettner?\par

\tab \tab \tab ans:\tab Aminu {\ul Timberlake}\par

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22\tab 30\tab Have you seen the latest Fortune 500 lists? Your teammates may soon hope that you did. For 5 points each, name the top 6 companies on their list of the world\'d5s largest industrial corporations.\par

\par  
ans:\tab {\ul G}eneral {\ul M}otors, Royal Dutch/{\ul Shell} Group, {\ul Exxon}, {\ul Ford} Motor Company, {\ul Toyota} Motor, {\ul I}nternational {\ul B}usiness {\ul M}achines\par  
\par  
23\tab 25\tab For 5 points each, given an opera or operetta, you give me the composer of that musical work.\par  
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\tab A.\tab {\i Orpheus in the Underworld}\tab ans:\tab Jacques {\ul Offenbach}\par  
\tab B.\tab {\i Pell\8eas et M\8elisande}\tab \tab ans:\tab Claude {\ul Debussy}\par  
\tab C.\tab {\i Fidelio}\tab \tab \tab \tab ans:\tab Ludwig von {\ul Beethoven}\par  
\tab D.\tab {\i Il Trovatore}\tab \tab \tab \tab ans:\tab Giuseppe {\ul Verdi}\par  
\tab E.\tab {\i The Thieving Magpie}\tab \tab ans:\tab Gioacchino {\ul Rossini}\par  
\par  
24\tab 30\tab In both 1984 and 1985, {\i Iacocca: An Autobiography} was the best selling nonfiction book. Since 1960, only three other authors have had the best selling nonfiction book in two consecutive years.  
If you can name the author from the years only, you'd5ll get 10 points. If you need the book or books, you get 5 points.\par  
\par  
\tab A.\tab 10:\tab 1972-73\tab \par  
\tab \tab 5:\tab {\i The Living Bible}\par  
\tab \tab \tab ans:\tab Kenneth {\ul Taylor}\par  
\tab B.\tab 10:\tab 1978-79\par  
\tab \tab 5:\tab {\i If Life Is a Bowl of Cherries\81What Am I Doing in the Pits} and {\i Aunt Erma\85s Cope Book}\par  
\tab \tab \tab ans:\tab Erma {\ul Bombeck}\par  
\tab C.\tab 10:\tab 1986-87\par  
\tab \tab 5:\tab {\i Fatherhood} and {\i Time Flies}\par  
\tab \tab \tab ans:\tab Bill {\ul Cosby}\tab \par  
\par  
25\tab 30\tab Complete the proverb by filling in the blank for 5 points each.\par  
\par  
\tab A.\tab \82Different strokes for different (blank).\83\par  
\tab \tab \tab ans:\tab {\ul folks}\par  
\tab B.\tab \82There will be sleeping enough in the (blank).\83\par  
\tab \tab \tab ans:\tab {\ul grave}\par  
\tab C.\tab \82Laziness travels so slowly that (blank) soon overtakes it.\83\par  
\tab \tab \tab ans:\tab {\ul poverty}\par  
\tab D.\tab \82Figures don\85t (blank).\par  
\tab \tab \tab ans:\tab {\ul lie}\par  
\tab E.\tab \82It (blank) to advertise.\83\par  
\tab \tab \tab ans:\tab {\ul pays}\par  
\tab F.\tab \82Never (blank) unless you lay.\83\par  
\tab \tab \tab ans:\tab {\ul cackle}\par  
\par  
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