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Memphis State Round for 1994 Regionals Prep

TU #1:

There are three major types of mammals based on how they bear young; placental, marsupial, and this type of mammal. FTP, name this rather small division of mammals, including the platypus, which lays eggs.

Answer: *Monotremes*

TU#2: Supposedly inspired by the sound of machinery, this composition was largely panned when it was debuted in 1928. It got a sudden rise in popularity in 1979 when it was used frequently by Bo Derek in the Blake Edwards film, "10". For ten points, name this work by Maurice Ravel, also the title of a later film starring Bo Derek.

ANSWER: Bolero

TU #3:

Remarkable Pettibone, Jotham Riddel, Billy Kirby, Hiram Doolittle, Major Edward Effingham, Judge Marmaduke Temple, Richard Jones, and, of course, Natty Bumppo are the cast of characters in this novel. FTP, name this less-than-masterpiece by James Fenimore Cooper, the first of the "Leatherstocking Tales".

Answer: *The Pioneers*

TU#4:

You're dissecting a cat with power tools. Just as you pull out a circular saw to cut open the skull of your cat's severed head, you notice that there's already a hole in his head, the one through which the spinal column enters. FTP, what is the name of this hole, which springs into your head just before your mother calls you downstairs for a visit with the doctor?

Answer: *Foramen Magnum*

TU#5

The term first originated in the early days of personal computers; the first one was the S-100, short for the Standard 100, and had 100 pins because MITS, the manufacturers of the Altair 8000, got a good deal on surplus 100-pin connectors. Now they come in local, EISA, ISA, VESA and PCMCIA. FTP, what is this computer term, closely related to a form of public transportation.

Answer: *Omnibus connector* (accept bus)

TU #6

Many scientists believe that dinosaurs died because of a meteorite that struck the earth. FTP what is the name of the element found in the soil which supports this theory.

Answer: *Iridium*

TU #7

The closing of the American Frontier, the west, came in 1890 with the census report that settlements were present throughout the west with no real frontier land remaining. This gave rise to the theory that the western land had always provided a safety valve for the frustrations of the country- or a rebirth and regeneration of democracy. FTP name the author of this 1893 Frontier Thesis.

Answer: Frederick Jackson *Turner*

TU #8

This is the term for alternate forms of an element differing in the way that the atoms are linked. FTP, identify this term.

Answer: *allotrope*

TU #9

He wanted to fully protect the land simply for its beauty. Though Teddy Roosevelt didn't completely agree with him after their camping trip, Roosevelt did want to protect the land using a more practical manner- Multiple Use Resource Management. FTP name this early environmentalist and founder of the Sierra Club.

Answer: John *Muir*

TU #10

For a quick ten points, who wrote the first text on differential calculus?

Answer : *l'Hopital*

TU #11

A former Harvard professor of mathematics, this pianist-humorist, the antecedent of Mark Russell, set the periodic table to Sullivan's music for "modern major general", invented the theme song to "Oedipus Rex", and suggested one week of amity for everybody, a "National Brotherhood Week." FTP name this comic famous for his "Masochism Tango".

Answer : Tom *Lehrer*

TU #12

He lived through a hanging in the Inquisition because the hangman could not tie a proper knot, was found as a slave in a Venetian galley, survived Syphilis and taught meta-physico-theologo- cosmolonigology. FTP name this literary character who taught that this is the best of all possible worlds.

✓ Answer: *Pangloss*

TU # 13

✓ She was the first computer programmer even though the computer she programmed for wasn't constructed until very recently. This programmer's name is now the name of a programming language. FTP name her.

Answer: *Ada Lovelace*

TU #14

✓ Recently Ethiopia lost its coastline due to a new country forming. FTP name this country with its capital at Asmara.

Answer: *Eritrea*

TU #15

✓ The author of the book "The Gospel of Wealth" practiced what he preached in his belief that one must return money made to society. FTP name this American philanthropist.

Answer: Andrew *Carnegie*

TU #16

✓ "Happy Birthday, Wanda June"; "Player Piano"; "God Bless You Mr. Rosewater"; "Bluebeard"; "Cat's Cradle"; and "Slaughterhouse-Five" are all, for ten points, works of what contemporary author.

Answer: Kurt *Vonnegut*

TU #17

✓ In college he played football for the University of Michigan. He aspired to become a politician and succeeded in becoming the Vice President of the U.S. FTP, name this famous "Leslie".

Answer : Gerald *Ford*

TU #18

✓ This condition occurs when the stomach pushes through the opening of diaphragm causing irritation of the esophagus. FTP, name this medical complication which in Latin would be the protrusion of one body part through an opening.

Answer : *Hiatal Hernia*

TU #19

✓ Byron, Max Frisch, Moliere, Mozart, and George Bernard Shaw all have one character in common. FTP name this legendary Spanish lover.

Answer : *Don Juan*

TU #20

For a quick ten points in what subject did Sally Ride earn her doctorate?

Answer : *Physics*

TU #21

This 20th century American composer is perhaps best known for his works "Billy the Kid", "Appalachian Spring", and the majestic "Fanfare for the Common Man". FTP name him.

Answer: Aaron *Copland*

TU #22

The cinematic version of this play features Richard Dreyfus as the person who executes the title characters and , amusingly enough, a soundtrack which features the song "Seamus" by Pink Floyd. FTP name this play which features the famous coin-tossing and the game of questions, which was written by Tom Stoppard.

Answer : *Rosencrantz and Guildenstern Are Dead*

TU #23

You're working in the chemistry lab. You have been mixing many solutions using an unknown clear liquid. You accidentally spill some of the liquid on your hand, but immediately wipe it off. Later you notice your hand has yellow marks on it . FTP name the liquid you were working with.

Answer : *Nitric Acid*

TU #24

His pride kept him from blowing his horn, and although he wielded Durindana, the enchanted sword of Hector the Trojan, he was slaughtered at Roncesvalles. FTP name this palladin of Charlemagne, subject of an Italian epic poem by Ariosto.

Answer: *Roland or Orlando*

TU #25

Princeton professor Andrew Wiles has pulled off an accomplishment more impressive than solving the Gordian knot without the sword; without the use of a computer, he proved this man's assertion that $x^2 + y^2 = z^2$ has no positive whole number solution when the exponent is greater than two. FTP name either the mathematician or his recently proven hypothesis.

Answer: *Fermat's Last Theorem* or *Fermat*

TU #26

Kingsport, TN is a small town in East Tennessee whose existence is mostly due to the Fortune 500 company located there. FTP give the full name of the company, which recently became independent of photo giant Kodak.

Answer: *Eastman Chemical Company*

TU #27

This man has the unusual distinction of A) having a Bertholdt Brecht play written about him and B) being mentioned in the Queen song "Bohemian Rhapsody". FTP name this astronomer who was "kept in papal custody" (i.e., imprisoned for life by the church) for his heresy.

Answer: *Galileo* Galelei

TU #28

We are now in the age of information where computers are an integral part of life. There are several languages out there, but one is used most often by engineers. FTP what does FORTRAN stand for?

Answer: *Formula Translator*

TU #29

For a quick ten points, given the following album titles name the artist- popular to many different groups. "No Fences", "The Chase" and "Ropin' the Wind".

Answer: *Garth Brooks*

TU #30

He was appointed professor of astrophysics at the University of Chicago in 1892, but he never had time to earn a PhD. FTP who was this astronomer and founder of Yerkes, Mt. Wilson, and Palomar Observatories.

Answer: George Ellery *Hale*

Memphis State Boni

— B#1 (30 pts)

FTP each, name these people who died in 1993:

10 "I come from a country and I belong to a generation for which America and the movies were almost the same thing," said this director of "Le Dolce Vita" and "Satyricon"
Federico *Fellini*

10 This Russian-born AIDS victim's art collection was auctioned off to supplement two funds he created to help dance, ballet, and medicine
Rudolf *Nureyev*

10 She died at age 96, and made history as an African American singing at the Lincoln Memorial in 1939
Marian *Anderson*

— B#2 (20)

How well do you know your metal? Don't worry, we're just concerned with iron and its alloys. So, for 10 pts each...

10 1. If the early ironworker left his lump of iron in the furnace too long, it alloyed with too much carbon and formed "corrupt iron." What is our name for this alloy, which became useful with the need to cast cannons?
Cast Iron

10 2. If the early ironworker left the iron in for just the right amount of time, it acquired just enough carbon to become very hard, and therefore much more useful than the softer wrought iron. FTP, name this alloy which, up to the late 19th century, was worth more than silver.
Steel

— B#3 (20 pts)

Seen "Husbands and Wives" lately? I hope so. FTP...

10 1. Name the actor who portrays Mia Farrow's lover in the movie, and is now making waves of his own in "Schindler's List."
Liam *Neeson*

10 2. For an additional 10 pts., name the actor who portrays Woody Allen's best friend in the movie, whose mid-life crisis leads him to dump his wife temporarily for an airheaded aerobics instructor.
Sidney *Pollock*

B #4 (30 pts)

Given the first line of a work of world literature, name both the author and the work. 5 pts for each correct answer.

A) "On top of everything, the cancer wing was number 13."

Answer *Cancer Ward*, Alexander *Solzhenitsyn*

B) "In the castle of Baron Thunder-Ten-Tronckh in Westphalia, there once lived a youth endowed by nature with the gentlest of characters."

Answer *Candide*, Aurot de *Voltaire*

C) "The year that Buttercup was born, the most beautiful woman in the world was a French scullery maid named Annette."

Answer *The Princess Bride*, William *Goldman*

B #5 (30 pts)

Identify the year from the events, 30-20-10:

A) John Constable dies; Russia and Denmark sign the treaty of Copenhagen; Mozart composes the Serenade in D major, "Haffner"

B) David Hume dies; Cook makes his third voyage to the Pacific

C) Adam Smith publishes "An Inquiry into the Nature and Causes of the Wealth of Nations"

Answer *1776*

B# 6 (20pts)

For ten points identify this person: Oxford graduate in 1947, elected to parliament in 1959, served as Secretary of State for Education and Science, and was later Prime Minister during the Falklands War.

Answer: Margaret *Thatcher*

For an additional ten points, in what year was the Falkland War?

Answer: *1982*

B #7

30-20-10

Name this famous scholar. 30-20-10

A) He was born during the Cromwell rebellion and was the posthumous son of a farmer in

Lincolnshire.

B) He was invited to revise the lectures of Isaacus Barrow, his former teacher, and in 1669 when Barrow resigned the Lucasian professorship of mathematics at Cambridge, he was appointed Barrow's successor- at the age of 27.

C) He was elected fellow of the Royal Society in 1672 and was knighted by Queen Anne in 1705.

Answer Sir Isaac *Newton*

B #8 (30 pts)

Here's your particle physics bonus. As more and more subatomic particles have been found it was decided to classify them according to mass and spin. Regarding spin, for 15 points each:

A) Any particle which has a whole number or integral spin is classified into this category.

Answer *Bosons*

B) Any particle with a half-integral spin is known as this.

Answer *Fermions*

B #9 (30 pts)

The three Allied representatives who negotiated the Potsdam Agreement at the end of the war in Europe were Franklin Roosevelt, Winston Churchill, and Joseph Stalin. For ten points apiece, name the three representatives who actually signed the agreement in 1945.

Answer: *Truman, Stalin and Acheson*

B #10 (30 pts)

Rutherford B. Hayes agreed to withdraw Federal troops from the South, appoint a Southern Democrat to the cabinet, and back legislation for internal improvements for the South. This was the result of a contested presidential election. FTP what was the name of the Democrat presidential candidate? Answer: Samuel *Tilden*

For ten more points name the year in which this compromise occurred.

Answer: *1877*

For another ten points give the number of contested votes. Answer: *20*

B# 11

20 pts

Music, like literature, history and art, can be classified into many periods. Given the name of a composer, classify him into either the modern, baroque, classical, or romantic period.

1) J.S. Bach Answer: *baroque*

2) Igor Stravinsky Answer: *modern*

3) W.A. Mozart Answer: *classical*

4) Franz Shubert Answer: *romantic*

B #12

25 pts

Put these colonies in the order in which they were founded: Delaware, Maryland, New Jersey, Massachusetts and New York.

Answer: *1) Massachusetts 2) New York 3) Maryland 4) Delaware 5) New Jersey*

B #13

30 pts

Quarks, which are subatomic particles, come in six variations, or flavors, one of which is known to exist but has yet to be discovered. For five points apiece name the six flavors of quarks.

Answer *up, down, charm, strange, top (or truth), and bottom (or beauty)*

B# 14

30 pts

Franz Von Suppe and Gioacchino Rossini were contemporaries whose works are often confused with each other. For five points apiece, given the overture, give the correct composer.

1) Poet and Peasant Answer: *Von Suppe*

2) William Tell Answer: *Rossini*

3) The Barber of Seville Answer: * Rossini*

B #15

30-20-10

Name this famous American. 30-20-10

A) At the age of 16 he began a ferry service between Staten Island and Manhattan. By 1850 he was the leading steamboat operator in the U.S.

B) He sold out of steamboats for one million dollars when he was 60 years old to begin a new career in railroads.

C) When he died in 1877 at the age of 82 he was worth around 105 million dollars and donated some of his wealth to a small college in Nashville.

Answer: Cornelius *Vanderbilt*

B #16 (30 pts)

For ten points apiece, give the title of the correct song performed by Glen Miller after a brief description.

A) He actually hated this song, though his wife loved it, but put it at the beginning of his Christmas broadcast from Europe- which he never appeared at because his plane had disappeared over the English Channel.

Answer: *Little Brown Jug*

B) He wrote this song for his wife, remembering an old telephone number, and had it played for her as a surprise at a party for their wedding anniversary.

Answer: *Pennsylvania 6-5000*

C) This song was also written for his wife and was played for the first time while he gave her a pearl necklace.

Answer: *String of Pearls*

B# 17

30 pts

For ten points apiece, given the title of a painting, you give the name of the painter.

1) "The Scream"

Answer: Edvard *Munch*

2) "Three Musicians"

Answer: Pablo *Picasso*

3) "Sunday Afternoon on the Island
of La Grande Jatte"

Answer: Georges *Seurat*

B# 18

20 pts

During World War II the Nazis used a new method of war, a Blitzkrieg- or lightning war, to rapidly invade other countries, including France. For ten points apiece, name the two countries through which France was invaded by Germany.

Answer: *Belgium and Holland*

B# 19

30pts.

The Conn Smythe trophy is given to the most valuable player of hockey's Stanley Cup playoffs. In the history of the trophy only five men have won it more than once; two-Boston defenseman Bobby Orr and Philadelphia's Bernie Parent have since retired, but the other three still play. For 10 pts apiece name these three men.

Answer: Wayne *Gretzky*, Patrick *Roy* (pronounced Wah), Mario *Lemieux*

B# 20

20 pts

This underground group of mostly university students in Germany printed and distributed anti-Nazi literature during Hitler's reign. Many of the members were discovered by the Gestapo and executed in 1943-- including the brother and sister team, Hans and Sophie Scholl. For twenty points, give the name of this group, also the title of a film about them.

Answer: The *White Rose*

B# 21

30-20-10

Give the year described for thirty points on the first clue, twenty points on the second, and ten points on the third.

30 pts- Kodak introduced 16mm movie film and Einstein published his Grand Unified Field Theory

20 pts- Ernest Hemingway published "A Farewell to Arms" and the airship "Graf Zeppelin" flew around the world in twenty days

10 pts- Trotzky was expelled from the USSR and Herbert Hoover was inaugurated as our 31st president

Answer: *1929*

B #22 (20pts)

For 5 pts. apiece, given the computer acronym identify what it stands for, with a 5 pt bonus for all correct.

A) ASCII

Answer: *American Standard Code for Information Interchange*

B) BASIC

Answer: *Beginners All-purpose Symbolic Instruction Code*

C) MODEM

Answer: *Modulator/Demodulator*

B# 23 30pts.

For 15 pts. apiece identify the 20th century literary author by a description of their suicide:

A) This person shot himself in the head with a shotgun.

Answer: Ernest *Hemingway*

B) This poet stuck their head in an oven to inhale the fumes.

Answer: Sylvia *Plath*

B #24

20pts.

For 5 pts. apiece identify the characters from Norse mythology given their role in Ragnarok.

A) He will kill Jormungand(midgard serpent), but will die from its venom after nine steps.

Answer: *Thor*

B) He will kill Fenrir after his father is slain by the wolf.

Answer: * Vidar*

C) He will fling fire in every direction burning the nine worlds.

Answer: *Surt*

D) He will sound the horn, Gjall, that will wake the gods and call them to council.

Answer: *Heimdall*

B #25

30-20-10

Name this sports figure, 30-20-10

30: He coached the Washington Capitols and Tri-Cities franchises in the late 1940's before he

moved east in 1950.

20: His coaching record is the most successful in the NBA.

10: From 1950 until 1966 he coached the Boston Celtics, leading them to nine NBA titles, eight of them in a row.

Answer: Arnold Jacob (Red) *Auerbach*