

MIT D
Packet by Cornell University & Swarthmore B

TOSSUPS

TOSSUP 1

Bertrand Russell said that this man was "the noblest and most lovable of the great philosophers. Ethically, he is supreme." Born in 1632, this philosopher was excommunicated from his synagogue because of his radical views. His early works include "Short Treatise on God, Man, & his Well-being". FTP identify this Dutch philosopher, most famous for his work, "Ethics".

ANSWER: Baruch SPINOZA

TOSSUP 2

When a current carrying conductor is placed in a magnetic field, a voltage is generated in a direction perpendicular to both the current and the magnetic field. FTP, the statement above describes what classical effect which results from the deflection of charge carriers to one side of the conductor as a result of the magnetic force and is named after its discoverer in 1879.

ANSWER: The HALL Effect (Do not accept prefaced by "quantum", "integer" or "fractional")

TOSSUP 3

This Austrian-American film director made more than thirty films in the U.S. and Germany. Some of his films made in the U.S. include "Fury" and "You Only Live Once". His German masterpieces include "Die Nieblungen" and "The Last Will of Dr. Mabuse", which attracted the attention of Joseph Goebbels. FTP name this director of "M".

ANSWER: Fritz LANG

TOSSUP 4

This event, first occurring during World War One, is under the authority of the US Congress and the Secretary of Transportation. It is currently NOT observed by Arizona, Hawaii, part of Indiana, and some US territories. For ten points, name this energy-saving phenomenon.

ANSWER: DAYLIGHT SAVINGS Time

TOSSUP 10

This Spanish-Jewish Philosopher and biblical scholar was born in 1135. He was forced with other Jews to flee Spain in 1160 and he settled in Cairo where he became physician to the sultan. His writings include medical treatises and commentaries on the Mishnah and Talmud. FTP, name this author of "Guide for the Perplexed".

ANSWER: Moses _MAIMONIDES_

TOSSUP 11

This Pope joined the League of Cambrai in an effort to overcome the republic of Venice and he formed the Holy League against France three years later. His papacy sanctioned the Treaty of Tordesillas in 1506 which moved the Line of Demarcation 800 miles west of where his predecessor, Pope Alexander VI, had positioned it. FTP, name this Pope who commissioned Michelangelo to paint the ceiling of the Sistine Chapel.

ANSWER: _JULIUS II_

TOSSUP 12

"A little learning is a dangerous thing; drink deep, or taste not the Pierian spring." "Good nature and good sense must ever join; to err is human, to forgive, divine." The above are famous quotes from a work which, despite its title, is not in prose, but rather a long poem written in heroic couplets. FTP, name this 1711 work, written by Alexander Pope before he turned 21, concerning literary style.

ANSWER: An _ESSAY ON CRITICISM_ (prompt on "Pope" on early buzz; do not accept "An Essay on Man")

TOSSUP 13

If a consumer has well behaved and monotonic preferences, it is possible to plot his indifference curves on an xy coordinate grid. Graphically, it is now possible to see how much the consumer is willing to give up of good y to acquire more of good x for any given value of x and y. FTP, economists give this concept, or the measure of the slope of the indifference curve, what common name?

ANSWER: _MARGINAL RATE OF SUBSTITUTION_.

TOSSUP 14

When some of the contents of an aerosol can are released, the temperature inside the can drops. In thermodynamics one would describe this observation or any other physical process in which quantities such as pressure and volume are varied without any essential transfer of heat energy to the surroundings as what type of process?

ANSWER: _ADIABATIC_

TOSSUP 20

Detection of this bacteria has recently been made easier by the recent development of Pulsed Field Gel Electrophoresis. This will allow for public officials to identify outbreaks of toxic strains of this bacteria such as O157 which sicken 20,000 people in the U.S. each year. FTP, name the bacteria which had an outbreak at a popular water theme park in Atlanta this past summer.

ANSWER: _E_scherichia _COLI_

TOSSUP 21

Oak Ridge, McPherson Ridge, Culp's Hill, The Peach ^{Orchard} Orchard, The Angle, The Wheatfield, Devil's Den, Emmitsburg Road, Taneytown Road, Plum Run, Snyder Farm, Rose Farm, Little Round Top, Big Round Top, Seminary Ridge, and Cemetery Ridge are all, FTP, landmarks associated with this famous Civil War Battle fought on July 1-3, 1863.

ANSWER: The Battle of _GETTYSBURG_

TOSSUP 22

The Sudeten Mountains in the southwest, the Carpathian Mountains in the southeast, the Odra and Neisse rivers in the west, the Western Bug River in the east. On the northeast the Baltic Sea. For ten points, the above geographical features make up the boundaries of what European Nation?

ANSWER: _POLAND_

TOSSUP 23

To achieve a more dramatic and emotional effect the artist placed the sculpture on a low platform, a radical move for the day, which let viewers come close enough to clearly read the complex facial expressions of the figures. He further defied traditional academic canons in portraying heroism by making each figure barefoot and wearing only sackcloth. FTP name this sculpture, a commemoration to the town leaders who offered themselves as hostages to King Edward III in order to lift the siege on their village, created by Rodin.

ANSWER: *THE BURGHERS OF CALAIS*

TOSSUP 24

No drinking. No drugs. No sex. This philosophy that comes from a song by the early 80s band Minor Threat serves as the mantra of this punk sub-culture. FTP, give the name of this strata which shares its name with a piece of shaving equipment at a barber shop.

ANSWER: *STRAIGHT EDGE*