

2011 SCOP Novice

Round 5

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TOSSUPS

1. **This work notes that "Pope and Czar" have allied to exorcise the title group. It lists ten demands, including free public education and a progressive income tax, that would lead to the end of class struggles between the ruling (*) bourgeoisie and the working proletariat, who have "nothing to lose but their chains." Ending "Working men of all countries, unite!" for 10 points, name this 1848 anti-capitalist work written by Marx and Engels.**

Answer: The Communist Manifesto

2. **Silver, copper, and this element are used in the Oddy test. The Betterton-Kroll process separates alloys of bismuth and this element. It affects the release of glutamate which destroys (*) neurotransmitters, and galena is the sulfide ore of this element. Used in acid batteries and to shield against radiation, for 10 points, name this element with chemical symbol Pb.**

Answer: lead (accept Pb before mentioned)

3. **The Historical Axis is a road of monuments in this city, whose avenues were widened by Baron Haussmann. Bone piles are in the catacombs below this city, whose Latin Quarter is part of the 5th and 6th (*) arrondissements [ah-ROHN-dee-suh-MOHN]. Its Left and Right Banks are separated by the Seine River, and its Champs-Élysées [shawm-ZAY-lee-ZAY] ends at L'Arc de Triomphe [lark duh tree-OMF]. Home to the Louvre, for 10 points, name this capital of France.**

Answer: Paris

4. **This figure tricked the Pharaoh and Abimelech by claiming his wife was his sister, and he negotiated against the destruction of Sodom for the sake of his nephew, Lot. This man was the father of (*) Ishmael with Hagar before his 90-year-old wife bore him a son through a promise from God. For 10 points, identify this husband of Sarah and father of Isaac, the namesake of a group of religions that includes Islam and Christianity.**

Answer: Abraham (accept Abram)

5. One author in this poetic form wrote *The Narrow Road to the Deep North* and sought to bring “elegance” to this poetic form. This form makes use of a “cutting word,” and seventeen *on* [“own”], and relies on (*) natural imagery. The sound of water as a frog jumped into a pond inspired Matsuo Basho [mah-tsoo-oh bah-“show”] to write, for 10 points, what style of Japanese poetry, which in English consists of three lines of five, seven, and five syllables.

Answer: haiku

6. This location, chosen by Edward Wingfield, was bolstered by Lord De La Warr’s reinforcements at the end of the “starving time.” This location was the site of a peace treaty with the Powhatan confederation, and saw experiments with tobacco plants done by John (*) Rolfe. Led by John Smith and assisted by Pocahontas, for 10 points, name this former capital of Virginia, the first permanent English settlement in the Americas.

Answer: Jamestown

7. This function can be generalized to vector spaces in the form of a norm, and for complex numbers is called the modulus. The derivative of this function is the signum function, which is not defined at zero. It may be interpreted as a number’s (*) “distance from zero” and has a V-shaped graph. For 10 points, name this function that gives the “positive version” of a negative input.

Answer: absolute value function (accept complex modulus before “modulus”)

8. This composer, the author of *What to Listen For in Music*, earned Oscar nominations for his film score to *Of Mice and Men*. His Third Symphony, celebrating the end of World War II, recalls his own *Fanfare for the* (*) *Common Man*. He used "Bonaparte's Retreat" as a "Hoe-Down" in one work, and used the Shaker tune "Simple Gifts" in another. For 10 points, name this American composer of the ballets *Billy the Kid*, *Rodeo* [roh-DAY-oh], and *Appalachian Spring*.

Answer: Aaron Copland

9. Reverend Hooper wears the title garment in one work by this author. In another, Faith dances in the forest after losing her pink ribbon. In addition to “The Minister’s Black Veil” and “Young Goodman Brown,” this author wrote a novel about the (*) Pyncheon family, and another in which Arthur Dimmesdale admits he is Pearl’s father. For 10 points, name this author of *The House of the Seven Gables*, who created Hester Prynne in *The Scarlet Letter*.

Answer: Nathaniel Hawthorne (accept “The Minister’s Black Veil” before “one work”)

10. Voigt notation can express this law in a six-by six-matrix. Young’s modulus gives tensile strain over a range of limits for this law, which breaks down at the elastic limit. Objects that obey this law display (*) simple harmonic motion. It uses a namesake constant with units of newtons per meter that describes “stiffness”. For 10 points, name this law written as “**F** equals negative $k x$ ”, often used to model the restoring force of a spring.

Answer: Hooke’s Law

HALF TIME

11. **This character meets his closest friend through Stamford, and he was injured in the shoulder in Afghanistan. A modern adaption, in which he is played by Martin Freeman, sees him strapped into a bomb vest by Jim (*) Moriarty, and he was portrayed on film by Jude Law opposite Robert Downey Jr. The inspiration for the character of Dr. James Wilson on *House*, for 10 points, name this Doyle character, who lives at 221B Baker Street with Sherlock Holmes.**

Answer: Dr. John H Watson

12. **In this work, Aunt Alexandra lives at the Landing before moving in with the narrator, who she always calls Jean Louise. That narrator finds gum and pennies hidden in a tree. In this novel, Tom Robinson's rape trial causes (*) Bob Ewell to attack Jem and Scout, who are saved by Boo Radley. This work depicts race relations in Maycomb, Alabama, and concerns the lawyer Atticus Finch. For 10 points, name this work by Harper Lee.**

Answer: To Kill a Mockingbird

13. **This man's administration froze shares of the non-state owned Yukos oil company, instead supporting 'National Champions' like Rosneft and Gazprom. Term limits prevented him from running for re-election in 2008; as a result, this former (*) KGB officer was named Prime Minister under Dmitri Medvedev. Running for President again in 2012, for 10 points, name this Russian leader.**

Answer: Vladimir Vladimirovich Putin

14. **The Hellas Planitia impact basin can be found on this astronomical body, which contains the largest canyon in the solar system, Valley Marineris. It was once thought that there were canals on this (*) planet, but they turned out to be optical illusions. Its iron oxide contributes to its color. Phobos and Deimos are moons of, for 10 points, what home of Olympus Mons called the "red planet"?**

Answer: Mars

15. **In this play, a father sends Reynaldo to France to spy on his son, and "The Murder of Gonzago" is staged to verify one character's guilt. One character drowns under a willow tree after being rejected, and this play ends when the title character kills both (*) Laertes--Ophelia's brother--and Claudius, who had earlier killed the protagonist's father. For 10 points, name this Shakespeare play about the title "prince of Denmark."**

Answer: The Tragedy of Hamlet, Prince of Denmark

16. **This war saw the first attack on a nuclear reactor when one side bombed facilities at Osirak, and a dispute over Khuzestan [koo-zeh-stan] helped start this war. One side's Halabja [hah-lahb-jah] gas attack targeted Kurds, while the other bought arms with money that would finance (*) Nicaraguan contras. Starting in 1980, for 10 points, name this war begun by Saddam Hussein's invasion of its northeastern neighbor, an Islamic republic.**

Answer: Iran-Iraq War (accept in either order, must have both names)

17. Galton used this man's ideas on human civilization to organize the study of eugenics. His work *The Descent of Man* discusses human sexual behavior. Captain FitzRoy supported this person during their trip on the HMS (*) Beagle, where he discovered that the beaks of finches on the Galapagos were adapted to different food sources. The author of *On the Origin of Species*, for 10 points, name this English naturalist who pioneered evolution theory and natural selection.

Answer: Charles Robert Darwin

18. In some tales, this god fathered Troilus with Hecuba. He killed the seven sons of Niobe while his sister killed her daughters, and he pursued Daphne until she turned into a laurel tree. When (*) Cassandra would not sleep with this god, he made sure that nobody believed her prophecies, though this god was the patron of oracles. For 10 points, name this son of Leto and twin brother of Artemis, the Greek god of light, music, and prophecy.

Answer: Phoebus Apollo

19. This man, who appointed Shirley Hufstедler as the first Secretary of Education, was once attacked by a rabbit while fishing. He argued for energy diversification and conservation in a speech now known as the "malaise" speech, and the (*) Iranian hostage crisis ended on his last day in office. The negotiator of the Camp David Accords and winner of the 2002 Nobel Peace Prize, for 10 points, name this US President, an active supporter of Habitat for Humanity.

Answer: James Earl "Jimmy" Carter

20. This artist of several portraits of Madame Ginoux [jee-NOH] painted a narrow room cluttered with pictures in *Bedroom in Arles* [ahr-l]. Many of his later works depict sunflowers. One painting by this man shows five peasants pouring tea and cutting into the title food. Another shows a shadowy (*) cypress in front of a sky filled with balls of swirling light. For 10 points, name this Dutch artist, who painted *The Potato Eaters* and *Starry Night*.

Answer: Vincent van Gogh

BONUSES

1. For 10 points each, give the following from thermodynamics:

[10] The zeroth law of thermodynamics allows for the existence of this device, which measures temperature.

Answer: **thermometer**

[10] The second law of thermodynamics states that in a closed system, this value can only increase. It measures overall disorder in a system.

Answer: **entropy**

[10] This man showed that the second law was possible with a thought experiment consisting of a “demon” that would only allow hot molecules of gas to pass through a door.

Answer: James Clerk [“Clark”] **Maxwell** (accept **Maxwell**’s demon)

2. The title track of this trumpeter's 1968 album, *Nefertiti*, has the rhythm section improvising behind a melodic horn section. For 10 points each,

[10] Name this legendary jazz trumpeter, whose other albums include *Kind of Blue* and *Birth of the Cool*.

Answer: Miles **Davis**

[10] This 1960 album by Davis includes “Will o’ the Wisp,” by Manuel de Falla [FI-yah] and an excerpt from Joaquin Rodrigo's *Concierto de Aranjuez* [kon-THYER-toe day ah-ran-WETH], which evoke the music of the title country.

Answer: **Sketches of Spain**

[10] The *Concierto de Aranjuez* is a concerto for the classical, or Spanish, version of this instrument. Its strings are usually plucked by fingernail, rather than the pick used on electric or acoustic varieties.

Answer: **guitar** (accept any variety)

3. He read “The Gift Outright” for John F. Kennedy’s inauguration, nearly fifty years after writing that “good fences make good neighbors.” For 10 points each,

[10] Name this American poet of “The Mending Wall,” who wrote that “I have promises to keep / and miles to go before I sleep” in “Stopping By Woods on a Snowy Evening.”

Answer: Robert Lee **Frost**

[10] In this poem by Frost, the narrator chooses between two paths diverging “in a yellow wood,” finally deciding to take “the one less traveled by, / And that has made all the difference.”

Answer: The **Road Not Taken** (do not accept “The Road Less Traveled” or variations)

[10] This Frost poem says “For what I’ve tasted of desire, / I hold with those who favor” one of the title elements, but that “for destruction,” the other title element “is also great, / and would suffice.”

Answer: **Fire and Ice**

4. For 10 points each, name these Jewish holidays:

[10] The shofar is sounded and sins are metaphorically cast away in the Tashlikh ritual on this Jewish New Year.

Answer: **Rosh HaShanah** (accept **Yom** ha-**Zikaron**; accept **Yom** ha-**Din**)

[10] This holiday, on which revelers are commanded to get so drunk they cannot distinguish between the names Mordekhai and Haman, celebrates Haman's failure to kill the Jews of Shushan.

Answer: **Purim**

[10] This other holiday marks the anniversary of receiving the Torah from God on Mount Sinai. On this day, the Book of Ruth is read and late-night Torah study takes place.

Answer: **Shavuot** (or **Shavuos**)

5. This nation conquered the Aztecs. For 10 points each,

[10] Name this European country, an early colonial power that controlled Mexico, Cuba, Florida, and the Philippines.

Answer: **Spain** (or **Espana**)

[10] This Spanish trading post, the current capital of the Philippines, was re-designed by Daniel Burnham after the Spanish-American War.

Answer: **Manila** Bay

[10] In the 17th and 18th centuries, galleon trade flourished between Manila and this Mexican city, whose bay forms a notable beach resort today.

Answer: **Acapulco**

6. The Saffir-Simpson scale places these into five categories, below which are the classifications “tropical storm” and “tropical depression.” For 10 points each,

[10] Name these cyclonic weather phenomena, found in the Atlantic Ocean.

Answer: **hurricanes**

[10] The Saffir-Simpson scale is based on wind speed, as is this other wind force scale that classifies winds into 12 levels. A level 2 wind will cause smoke to rise at an angle.

Answer: **Beaufort** (wind force) scale

[10] This weather event is not a cyclone, but rather a wind reversal that brings torrential rains to, for example, Southeast Asia.

Answer: **monsoons**

7. For 10 points each, give the following about the American West.

[10] This 1862 act gave about 160 acres of land to those who lived on and improved the land for five years.

Answer: **Homestead** Act

[10] This 1887 act allowed the U.S. government to survey Indian tribal lands and divide them up among the individuals in the tribe to assimilate Indians into American society.

Answer: **Dawes** Act

[10] In 1889, the Indian Territory - land that is now this state - was opened to settlement and a Land Rush followed. This state's Sooners arrived early to the land.

Answer: **Oklahoma**

8. He leaves the Murdstone household and lives with his aunt, Betsey Trotwood. For 10 points each,

[10] Name this character, who wonders whether he “shall turn out to be the hero of [his] own life” before he marries Dora Spenlow and Agnes Wickfield.

Answer: David **Copperfield**

[10] This author drew from his own life to write *David Copperfield*. His other works include *Oliver Twist* and *A Christmas Carol*.

Answer: Charles **Dickens**

[10] This Dickens work concerns the stagecoach travels of Winkle, Snodgrass, Tupman, and the chairman of the title club.

Answer: The **Pickwick Papers** (accept The **Posthumous Papers of the Pickwick Club**)

9. This man was detained by federal agents at JFK Airport on May 14th, 2011, and was placed under house arrest after a grand jury indictment. For 10 points each,

[10] Name this politician, against whom sexual assault charges were dropped in August.

Answer: Dominique **Strauss-Kahn**

[10] In the wake of the scandal, Strauss-Kahn resigned as the Managing Director of this organization, which maintains the global macroeconomic system and was created along with the World Bank at the Bretton Woods Conference.

Answer: **International Monetary Fund**

[10] At the time of his arrest, Strauss-Kahn was leaving the U.S. to attend a meeting on the financial futures of this corruption-plagued country, whose austerity measures have led to riots in Athens.

Answer: **Greece**

10. Answer some questions about a Colombian author and his works, for 10 points each.

[10] This novel follows several generations of the Buendia family, residents of the village of Macondo.

Answer: **One Hundred Years of Solitude**

[10] Another work by the same author is titled *Love in the Time of this disease*, which runs rampant through the title city in Thomas Mann’s *Death in Venice*.

Answer: **cholera**

[10] *One Hundred Years of Solitude* and *Love in the Time of Cholera* are by this magical realist author of *Chronicle of a Death Foretold*.

Answer: Gabriel **Garcia** Marquez (prompt on Marquez)

11. One variety of these is named for Robert Giffen, and they also come in normal and inferior types. For 10 points each,

[10] Give this term, which in economics refers to a tangible physical object that satisfies a need or desire.

Answer: **goods**

[10] Normal goods have an increase in this with an increase in income. This signifies the desire to purchase a good or a service, and is contrasted with supply in an important economic model.

Answer: **demand**

[10] This economist names a type of good which sees an increase in demand as its price increases. He described "conspicuous consumption" in *The Theory of the Leisure Class*.

Answer: Thorstein Bunde **Veblen** (or Torsten Bunde **Veblen**)

12. Name some French authors and their works, for 10 points each,

[10] Name this author of *The Hunchback of Notre Dame*, who wrote about Jean Valjean [jahn val-JAHN], Cosette, Marius, and many others, whose stories come together during a French rebellion in *Les Miserables* [lay mih-zeh-RAHB].

Answer: Victor **Hugo**

[10] This other French author set short stories like "Ball of Fat" during the Franco-Prussian War, and wrote about a missing piece of cheap costume jewelry in "The Necklace."

Answer: Guy de **Maupassant**

[10] This Erich Remarque [ay-REEK ray-MARK] work is narrated by Paul Baumer, a German soldier in World War I who kills Gerard Duval before dying in 1918.

Answer: **All Quiet on the Western Front**

13. The hypothalamus, medulla, and cerebellum are all parts of this organ. For 10 points each,

[10] Gray Matter forms the majority of this large organ in the human body, which for vertebrates is located in the skull.

Answer: **brain**

[10] The brain is the main organ in this bodily system. This system is divided into central and peripheral parts, and it shares its name with its eponymous type of cell.

Answer: **nervous** system

[10] Often contrasted with dendrites, these long slender projections of neurons carry electrical impulses away from the cell body. They are composed of Schwann cells and are covered in a myelin sheath.

Answer: **axons**

14. Identify the following about Abraham Lincoln's cabinet. For 10 points each,

[10] This Secretary of State, who was stabbed the night Lincoln was shot, went on to negotiate the purchase of Alaska, called his namesake folly.

Answer: William Henry **Seward**, Sr.

[10] Edwin Stanton held this position in Lincoln's cabinet. In 1949 this position was renamed Secretary of Defense.

Answer: Secretary of **War** (accept obvious equivalents, like **War** Secretary; do NOT accept things like Secretary of the Army/Navy)

[10] Lincoln's first Treasury Secretary was this man, a major figure in the Free Soil Movement. In 1864, he became Chief Justice of the Supreme Court.

Answer: Salmon P(ortland) **Chase**

15. Michael Schur and Nate DiMeo wrote a "liveblog" of a sporting event that had happened two months earlier. For 10 points each,

[10] Name this sport, whose 2011 World Cup semifinals saw Sachin Tendulkar [sah-CHIN ten-DOOL-kar] dropped four times and survive a leg-before-wicket call as India defeated Pakistan by 29 runs.

Answer: One Day International (ODI) **Cricket**

[10] That liveblog was an early feature of this ESPN-owned website, launched in 2011 by "The Sports Guy," Bill Simmons. Its writers include Chuck Klosterman, Katie Baker, and Malcolm Gladwell.

Answer: **Grantland**.com

[10] A Grantland article by Jonah Keri wondered if this MLB team should re-sign star first baseman Albert Pujols [POO-hols]. This team's hitting coach, Mark McGwire, hit 70 home runs with this team in 1998.

Answer: **St. Louis Cardinals** (accept either or both names; prompt on "Cards")

16. An extension of this law is the Bordwell thermodynamic cycle, which finds change in Gibbs free energy, rather than change in enthalpy. For 10 points each:

[10] Name this law that indicates that the overall enthalpy change for a reaction can be computed by summing the change in enthalpy values for each step.

Answer: **Hess's** law

[10] Hess's law operates because enthalpy is this kind of function. They are independent of the path taken to reach their specific value, and are contrasted with path functions.

Answer: **state** functions

[10] A negative value for change in enthalpy indicates that the reaction is of this type, because energy is released from the system. The combustion of fuel is this kind of reaction.

Answer: **exothermic** reaction

17. This event will be preceded by three consecutive winters in which the sun and the moon are killed. For 10 points each:

[10] Give this name for the Norse apocalypse, in which most of the gods will die fighting the forces of evil on the fields of Vigrid [VEE-grid].

Answer: **Ragnarok**

[10] Ragnarok will begin soon after this deity is killed by a dart thrown by Hodr [HOH-dur] at Loki's bidding. This deity's wife, Nanna, dies of grief after hearing of his death.

Answer: **Baldr**

[10] The dart thrown by Hodr was made from this plant. It never swore an oath to not harm Baldr, and Loki learned of this when he approached Frigg in the guise of an old woman.

Answer: **mistletoe**

18. This artistic technique was prevalent in East Asia and influenced many impressionists. For 10 points each:

[10] Name this printing style, most famously used in Japan by Katsushika Hokusai [kah-tsoo-shee-kah hoh-koo-"sigh"]. Its name translates as "pictures of the floating world."

Answer: **Ukiyo-e** (accept **woodblock** printing, **woodcutting**, or **Moku Hanga**)

[10] Hokusai made a woodblock print of a great one of these towering over fishing boats off the coast of Kanagawa. Surfers are commonly seen on tidal varieties of these.

Answer: **wave**

[10] *The Great Wave off Kanagawa* is the first in a series of woodblock prints titled "36 Views of" this snowcapped dormant volcano in Japan, which can be seen in the background of each print.

Answer: Mount **Fuji** (accept **Fujiyama** or **Fuji-san**)

19. For 10 points each, give the following about pi.

[10] Pi is commonly expressed as the ratio between these *two* measurements of a circle.

Answer: the **circumference** to the **diameter** (accept in either order, but if "to" is the connecting word the order must be correct because it is a ratio; accept **two** times the **radius** or **twice** the **radius** in place of **diameter**)

[10] Pi is occasionally called the namesake constant of this ancient Greek, who supposedly shouted "Eureka!" upon discovering the principle of buoyancy.

Answer: **Archimedes** of Syracuse

[10] Euler's [OY-lur'z] identity states that *e* to the quantity *i* times pi equals this constant.

Answer: **negative one** (or **minus one**)

20. In 1532 the Incan Empire was conquered by 106 Spanish foot-soldiers and 62 Spanish cavalry. For 10 points each:

[10] Name this conquistador, who conquered the Incan Empire and established a Spanish capital at Lima. He also established an encomienda, or forced labor system, upon the captured Incans.

Answer: Francisco **Pizarro** González, Marquess

[10] Pizarro deceived this last Incan emperor who was executed in 1533 after offering a room full of gold. He earlier had fought a bloody civil war with his brother Huascar.

Answer: **Atahualpa**

[10] The Incan empire was centered in this modern day country, whose capital is Lima.

Answer: **Peru**