

Round 2 1st Section Toss-up Questions

Question #1: Literature – Mythology

10 points

During Ragnarök [RAG-nuh-rawk], Lif and
Lifthrasir [lif-THRAH-sur] will hide among several
of these objects belonging to Hodmirir
["hoed-mirror"]. To obtain the runes, Odin hung
himself from one of these objects for nine days and
nine nights. When Buddha was ready to die,
Ananda prepared a place for him to do so between
two of these objects. Bodhi Day celebrates Buddha
sitting under one of these objects while attaining
enlightenment. The middle of Asgard [AS-gahrd]
contains one of these objects called Yggdrasil
[IG-druh-sil]. Name these objects, one of which
represents the knowledge of good and evil in the
Garden of Eden.

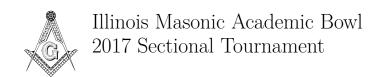
tree
s [accept more specific
answers; prompt on
plants]

Question #2: Science – Biology

10 points

The sartorius [sar-TOR-ee-uss] muscle forms an
anatomical "triangle" named for its proximity to
this structure. The greater and lesser trochanters
[tro-KAN-turz] are found in the head of this
structure, which articulates with the acetabulum
[ass-it-AB-yoo-lum]. The head of this bone is
replaced during a hip replacement. This bone is
directly superior to the meniscus, which separates it
from the tibia. Name this longest bone in the
human body, which comprises the thigh.

femur [prompt on thigh bone before the end]



Round 2 1st Section Toss-up Questions

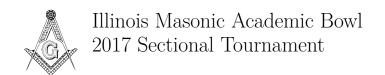
Question #3: Social Studies – U.S. History

10 points

After David John Lewis introduced a bill to create	Social Security
this program in the House of Representatives,	
Robert Doughton — the chair of the Committee on	
Ways and Means — submitted the same bill and	
gave his copy a better number. While creating this	
program, those bills set aside million of dollars per	
year to help states support blind people, dependent	
children, and maternal and child health services.	
This is the older of the two programs impacted by	
the Federal Insurance Contributions Act. The	
agency in charge of carrying out this program keeps	
track of people using nine-digit numbers. Name this	
program that gives money to retired Americans.	

Question #4: Miscellaneous – Popular Culture

Following Sacheen [sah-SHEEN] Littlefeather's	Academy Awards or the
appearance at this event, proxies were banned from	<u>Oscars</u>
attending on behalf of winners. Protests also	
erupted in response to Elia Kazan's [EL-ee-uh	
kuh-ZAHN'z] appearance at this event in 1999. In	
1940, Hattie McDaniel became the first	
African-American to win an award at this event.	
The two most recent iterations of this event were	
criticized for having zero people of color up for the	
20 major awards, and inspired a Twitter campaign	
calling it "So White". Name this annual event	
honoring films and people involved in making them.	



Round 2 1st Section Toss-up Questions

Question #5: Literature – British Literature

10 points

Five of this poem's six stanzas end with a question,			
but its fourth stanza ends with the exclamation			
"Dare its deadly terrors clasp!". The speaker of this			
poem asks "what the hammer, what the chain, in			
what furnace was thy brain?". This poem describes			
stars "throwing down their spears" and "watering			
heaven with their tears". Its final two words are			
"fearful symmetry [SIM-uh-try]". In the			
penultimate stanza, the narrator asks the title			
creature "Did he who made the lamb make thee?".			
Name this poem about a creature "burning bright,			
in the forests of the night", by William Blake.			

"The <u>Tyger</u>" [accept <u>Tyger!</u> Tyger!]

Question #6: Science – Astronomy

	,
This adjective describes the lines in an absorption	<u>dark</u> [accept <u>darker</u>]
spectrum, compared to the spectrum. Before the	
development of relativity theory and the discovery	
of black holes, this adjective was used to describe	
theoretical stars whose escape velocity was greater	
than the speed of light. This adjective describes	
matter that does not emit or interact with	
electromagnetic radiation, as well as a type of	
energy that explains why the expansion rate of the	
universe is increasing. Give this adjective used to	
describe most of the matter and energy in the	
universe, an antonym of "light".	



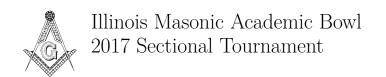
Question #7: Mathematics – Probability

10 points per part

If tv	wo probability events have this property and	
are	also exhaustive, they add up to 1.	
1	Name this property describing two events that cannot both happen at once.	mutually exclusive or mutual exclusivity or disjointness [prompt on exclusive]
2	Suppose the probability of event A is 0.4, and the probability of event B is 0.3. If A and B are mutually exclusive, then find the probability that either A or B occurs.	0 <u>.7</u> [or <u>7/10</u> or <u>70%</u>]
3	Suppose instead that the probability of A is 0.4, the probability of B is 0.3, and the probability of both A and B is 0.2. In that case, what is the probability that either A or B occurs?	0 <u>.5</u> [or <u>1/2</u> or <u>50</u> %]

Question #8: Mathematics – Probability

obje	s operation gives the number of ways that k ects can be selected from a set of n objects, if er does not matter.	
1	Name this operation that is contrasted with permutation.	binomial combination or binomial choose function [accept any underlined word]
2	How many ways are there to choose 2 items from a set of 6 items, if order does not matter? Simplify your answer so that it's just an integer.	<u>15</u> ways
3	If there is a set of 3 girls and 3 boys, and two people are selected at random, find the probability that both people selected are girls.	<u>1/5</u> or 0 <u>.2</u> or <u>20%</u>



Question #9: Literature – World Literature

10 points per part

For	killing the son of Ezuelo [EH-zoo-AY-loh], the	
pro	tagonist of this novel is banished from Umuofia	
[00-	moo-oh-FEE-uh].	
1	Name this novel about a yam farmer. Its title	Things Fall Apart
	comes from a line in "The Second Coming".	
2	This Nigerian novelist wrote Things Fall Apart,	Chinua Achebe
	as well as its sequel, No Longer at Ease.	[CHIN-wah ah-CHAY-bay]
		or Albert Chinualumogu
		$\overline{\text{Achebe}}$
3	In his essay "An Image of Africa", Chinua	Joseph <u>Conrad</u> [or Józef
	Achebe referred to this author of <i>Heart of</i>	Teodor Konrad
	Darkness as a "thoroughgoing racist".	<u>Korzeniowski</u>
		_

Question #10: Literature – World Literature

This	s former jail guard from Toulon [too-lawn]	
tries but fails to infiltrate the Friends of the ABC.		
1	Name this character. Following the execution of	Inspector <u>Javert</u>
	Jean Prouvaire [zhahn proo-vair], Enjolras	[zhah-vair]
	[en-ZHOHL-rahss] calls for his execution, but	
	this character is spared by his rival.	
2	Inspector Javert pursues the former criminal	Les Misérables [lay
	Jean Valjean [zhahn val-zhahn] throughout this	mee-zay-rahb] [or The
	novel by Victor Hugo.	<u>Miserable</u> Ones or The
		<u>Wretched</u> Poor]
	A.C. X7.1: T 1:C T	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3	After Valjean spares Javert's life, Javert	drowning himself in the
	commits suicide by this means.	River Seine [or jump ing
		off a bridge into the River
		Seine or equivalents]



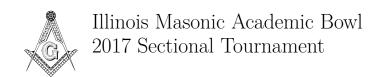
Question #11: Social Studies – Psychology

10 points per part

The	e intrinsic type of this concept is often based on	
inte	rest in the task at hand, while the extrinsic	
type	e is often based on rewards and punishments.	
1	Give this term for the reason somebody	motivation [accept word
	performs an action.	forms]
-		1 1 • • [
2	This school of psychology, which was started by	behaviorism [or
	John B. Watson and included B. F. Skinner,	behaviorist school or
	focused on the use of extrinsic motivation to	$\underline{\mathbf{behaviorist}}\mathbf{s}]$
	explain actions.	_
3	This psychologist studied how people's	Lawrence Kohlberg
	motivations change as they go through his	
	pre-conventional, conventional, and	
	post-conventional stages of moral development.	

Question #12: Social Studies – Psychology

The	Myers-Briggs Type Indicator applies ideas	
fron	n this person's book <i>Psychological Types</i> .	
1	Name this Swiss psychologist who wrote about archetypes within the collective unconscious.	Carl (Gustav) Jung [YOONG]
2	The first category on a Myers-Briggs Type Indicator determines where people focus their energy, and it classifies people as either 'E' or 'I'. State what <i>both</i> the 'E' and the 'I' stand for.	<pre>extraversion [or extroversion] and introversion [either order; accept word-form variations like extravert and introvert]</pre>
3	Jung used this term to describe meaningful coincidences. This term refers to events linked by meaning, but not by cause.	<pre>synchronicity [or synchronizität]</pre>



Question #13: Science – Physics

10 points per part

For	a heat engine, the maximum possible value of	
this	quantity is 1 minus the ratio of the cold	
rese	ervoir's temperature to the hot reservoir's	
tem	perature.	
1	Name this quantity that can be expressed as	(machine) efficiency
	actual output divided by maximum potential	
	output.	
2	The formula for the maximum efficiency of a	(Nicolas Léonard) Sadi
	heat engine was developed by this scientist. His	Carnot [sah-dee kar-noh]
	namesake thermodynamic cycle has two steps	[accept <u>Carnot</u> cycle]
	in which heat is not exchanged, and two steps	
	in which temperature is held constant.	
3	This adjective means a process in which	isothermal process
	temperature does not change.	

Question #14: Science – Physics

This	s electromagnetic radiation has wavelengths	
bety	veen 400 and 700 nanometers.	
1	Name this part of the spectrum that is between	visible <u>light</u>
	ultraviolet and infrared.	
2	Of the seven base SI units, this is the one that	<u>candela</u> [prompt on <u>cd</u> or
	can be used to measure the intensity of light.	$\underline{\mathbf{candle}}$
3	The definition of the candela is based on light	green light
	at about 555 nanometers, which corresponds to	
	this color. The correct answer is one of the	
	standard seven "Roy G. Biv" colors.	



Round 2 3rd Section Toss-up Questions

Question #15: Social Studies – World History

10 points

One Russian leader with this first name adopted
the doctrine developed by Sergey Uvarov
[oo-VAHR-awff] called "Orthodoxy, Autocracy
[aw-TOK-ruh-see], and Nationality". That leader,
the first Russian leader with this first name, was
targeted unsuccessfully by the Decembrists and
died during the Crimean ["cry"-MEE-un] War. The
second Russian leader with this first name fathered
a girl who — according to legend — escaped
execution, Anastasia, and was in charge when
Russia lost the Russo-Japanese War. The family of
that leader with this first name received advice from
the mystic Rasputin. Identify this name of the tsar
whose family was killed by the Bolsheviks in 1918.

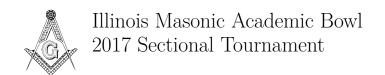
Nicholas (I or II) or Nikolai (I or II)

Question #16: Mathematics – Math Concepts

10 points

These mathematical things can be classified as meromorphic ["mare-oh-MORE"-fik] if they have poles but are otherwise holomorphic ["HOE-low-more"-fik]. If one of these things can be approximated locally by a convergent power series, it is classified as analytic. If one of these mathematical things is smooth, it can be differentiated repeatedly. If one of these things is both onto and one-to-one, it is called bijective, and has an inverse. These mathematical entities are mappings from a domain to a co-domain in which each input produces only one output. Name these mathematical things that are often labeled "f of x".

functions [accept answers that also refer to complex inputs or outputs]



Round 2 3rd Section Toss-up Questions

Question #17: Fine Arts – Art History

10 points

This is the color of the curtain in the back of Hans Holbein's *The Ambassadors*. A portrait by Henri Matisse [awn-ree mah-teess] of his wife shows a stripe this color running down the length of her face. In the *Arnolfini Portrait*, the bride wears a white cap and a dress of this color, which is supposed to represent hope. This is the color of the apple in René Magritte's [reh-nay mah-greet's] *The Son of Man*. Sculptures named for a man of this color are used to represent the Spring season and are made from leaves. Name this color often used for spaces with lots of plants, often grass.

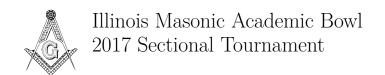
green [accept more specific answers]

Question #18: Science – Chemistry

10 points

In nearly all of these elements, the electrical resistance increases with increasing temperature. In this class of elements, the Fermi level is inside the valence band, and the conduction band overlaps the valence band. The bonds named for these materials are between positive ions and conduction electrons, the latter of which are often referred to as a "sea of electrons". Name these elements that are usually conductive and shiny, combinations of which are called alloys.

 $\underline{\mathbf{metal}}\mathbf{s} [\mathbf{prompt} \ \mathbf{on} \\
\underline{\mathbf{conductor}}\mathbf{s}]$



Round 2 3rd Section Toss-up Questions

Question #19: Social Studies – Economics

10 points

Milton Friedman wrote that inflation is these things without legislation. Walter Williams said that one effect of these things is "eliminating transactions, and hence jobs". The Latin phrase ad valorem, which means "according to value", is used to describe some of these things. The rate of these things is plotted on the horizontal axis of a Laffer curve. Many countries, but not the U.S., use the value-added type. A tariff is one of these things applied to imports or exports. An audit often determines whether these have been paid properly. Name this charge imposed by the government, sometimes collected by the Internal Revenue Service.

<u>tax</u>ation or <u>taxes</u> [accept more specific answers]

Question #20: Literature - U.S. Literature

10 points

This author wrote about Colonel [KER-nul]	$Mark \mathbf{T}$
Mulberry Sellers in <i>The American Claimant</i> , and	Langhor
this author called the same character Eschol Sellers	
and Beriah Sellers in a novel this author wrote with	
Charles Dudley Warner, The Gilded Age. In	
another novel, this author wrote about Tom Canty	
and Prince Edward switching places. One of this	
author's characters was taken care of by Miss	
Watson and her sister, the Widow Douglas. Some	
of this author's novels were set in St. Petersburg,	
which was based on Hannibal, Missouri. Name this	
author of The Prince and the Pauper and The	
Adventures of Tom Sawyer.	

Mark <u>Twain</u> [or Samuel Langhorne <u>Clemens</u>]



Question #21: Fine Arts – Classical Music & Opera

10 points per part

Ger	man musicians say "B" instead of "B flat",	
and	"H" instead of "B natural", so Germans can	
spel	l this composer's name using musical notes —	
whi	ch he did in The Art of Fugue.	
1	Name this Baroque composer.	Johann Sebastian <u>Bach</u>
2	This J. S. Bach work starts and ends with an	$\underline{Goldberg\ Variations}$
	aria that is the basis of the 30 songs in the	
	middle. It is named for the harpsichordist	
	believed to have performed them first.	
3	This friend of Bach composed "I know that my	Georg Philipp <u>Telemann</u>
	Redeemer lives", a cantata originally attributed	[GAY-awrk FIL-ip
	to Bach. His operas include <i>Pimpinone</i>	TEL-uh-mahn]
	[peem-pee-NOH-nuh] and Der geduldige	
	[guh-DOOL-dih-guh] $Socrates.$	

Question #22: Fine Arts – Classical Music & Opera

Som	e historians credit Bartolomeo Cristofori for	
inve	nting this instrument.	
1	Name this common keyboard instrument with	piano (forte) [accept
	52 white keys and 36 black keys.	forte piano]
2	This Ludwig van Beethoven piano piece was based on a waltz that another composer sent out to several people, asking them to write music based on his piece.	Diabelli Variations [or 33 Variations on a waltz by Anton Diabelli]
3	This is the popular name of Franz Schubert's piece written for a piano, violin, viola, cello and double bass [base].	<u>Trout</u> Quintet



Question #23: Social Studies – World History

10 points per part

Thi	s war started when Edward III of England	
clai	med that he should also be the king of France.	
1	Name this war that lasted from 1337 to 1453.	Hundred Years' War
2	During the second phase of the war, this person led troops successfully at Crécy [kray-see] and Poitiers [pwah-tee-ay]. This person never became king of England because he died before his father.	Edward, the Black Prince [or Edward of Woodstock; prompt on Edward or the Black Prince]
3	The war eventually went in France's favor, with the tide turning when Joan of Arc ended a British siege against this city on the Loire [l'-war] River.	Prince Orléans [or-lay-awn]

Question #24: Social Studies – World History

This	s period during the French Revolution began	
in 1793, when the Committee of Public Safety		
gain	ned power and passed the Law of Suspects.	
1	Name this 10-month period during which many	Reign of <u>Terror</u> [or la
	people were guillotined.	<u>terreur</u>]
$\overline{2}$	This person radicalized the Committee of	Maximilien (François
	Public Safety when he became its president in	Marie Isidore de)
	August 1793. He was later guillotined along	Robespierre
	with his brother Augustin [oh-goo-stan].	
3	This is the name of the political action that	Thermidorian Reaction
	started with the decision by the National	[or Réaction
	Convention to execute Robespierre and his	$\overline{\mathbf{Thermidorienne}}$
	allies. Those executions are sometimes called	
	the White Terror.	



Question #25: Literature – British Literature

10 points per part

This	s descendant of Shield Sheafson [SHAY-uf-sun]	
sett	led the feud sparked by Ecgtheow's	
[EJ-	thay-yoh'z] murder of Heatholoaf	
[HA	Y-uh-thoh-loh-uf] of the Wylfings	
[WI	L-feengz].	
1	Name this Danish king, whose mead hall was	King Hrothgar
	frequently attacked by Grendel.	[RAWTH-gar]
2	After hearing of Grendel's nightly assaults, this son of Ecgtheow sails to Denmark and rips Grendel's arm off.	Beowulf
3	Name the mead hall that Grendel attacks. Grendel's arm was hung as a trophy in it.	Heorot [HAY-uh-"rot"]

Question #26: Literature – British Literature

ln t	his play, the Earl of Gloucester ["GLOSS"-tur]	
has	an eye ripped out, and following a servant's	
atte	empted intervention, the Duke of Cornwall rips	
out	the other.	
1	Name this Shakespeare play in which Cordelia's	King Lear
	love for her father initially is not rewarded,	
	while the flattery of her sisters is.	
2	This wife of the Duke of Cornwall fell in love	Regan
	with Edmund, but so did her sister. Once their	
	intentions became known, this evil daughter of	
	King Lear was poisoned by her sister Goneril.	
3	In a trial by combat in Act V, this son of the	Edgar
	Duke of Gloucester represents the Duke of	
	Albany and gets his revenge on the traitorous	
	Edmund.	



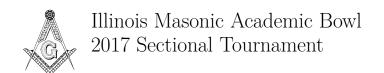
Question #27: Mathematics – Algebra

10 points per part

As a	a noun, this word means the numbers used in a	
mul	tiplication problem.	
1	Give this term that, as a verb, refers to	<u>factor</u> (ing) [or <u>factorize</u>
	rewriting a number or expression so that	or <u>factorizing</u>]
	multiplication is involved.	
2	This is the name for an expression that can be	difference of (two)
	factored into the quantity $x + y$, end quantity,	<u>squares</u>
	times the quantity $x - y$.	
3	Find the product 102 times 98. It may help to	9 996
	factor that into a difference of squares.	

Question #28: Mathematics – Algebra

If th	ne quantity $x + y$, end quantity, divided by x ,	
[pau	ise] equals x divided by y , [pause] then x	
divi	ded by y equals this "ratio".	
1	Name this number often represented by the	golden ratio [or golden
	Greek letter phi.	proportion or golden
		mean or golden number
		or golden section; accept
		<u>divine</u> proportion]
2	What is the value of the golden ratio, rounded	1.62
	to the nearest hundredth?	
3	In this sequence, the ratio of consecutive	Fibonacci sequence
	numbers approaches the golden ratio as you get	[prompt on Lucas
	further along in this sequence. It begins 1, 1, 2,	[loo-kah] sequence(s) but
	3, 5, 8.	do not prompt on "Lucas
	, ,	number(s)"
		(-) 1



Round 2 5th Section Toss-up Questions

Question #29: Science – Physics

10 points

When two parallel wires carry currents, this quantity equals permeability times length times the product of currents divided by the quantity 2 pi times distance. The coefficient of friction equals the ratio of two values of this quantity. The centrifugal [sen-TRIF-uh-gul] example of this quantity is fictitious and can be explained by inertia. According to Newton's second law, this quantity equals the derivative of momentum with respect to time, though a more common version of that law states that this quantity equals mass times acceleration. Name this phenomenon that objects can exert on each other, measured in newtons.

force(s) [accept more
specific answers such as
force of attraction]

Question #30: Social Studies - U.S. History

In 1934, two union strikers in this city were killed	San Francisco, California
by police in an incident that became known as	
Bloody Thursday. Shortly after resigning from this	
city's Board of Supervisors in 1978, Dan White	
used the "Twinkie defense" after killing this city's	
mayor and a supervisor, George Moscone	
[maw-SKOH-nay] and Harvey Milk.	
Representatives from 50 countries met in this city	
in 1945 to create the United Nations. Most of this	
city was destroyed in 1906 by fires and a major	
earthquake. Name this city at the south end of the	
Golden Gate Bridge.	



Round 2 5th Section Toss-up Questions

Question #31: Mathematics – Math Concepts

10 points

The sine of x, quantity squared, equals this number minus this number times the cosine of 2x. The Riemann [REE-mahn] hypothesis states that nontrivial roots of the zeta [ZAY-tuh] function have real components equal to this number. The number of diagonals of a convex polygon equals this number times the number of vertices times three less than the number of vertices. The derivative of this number times x^2 ["x squared"] is just x. Raising a positive number to this exponent is equivalent to taking the square root. The area of a triangle equals this number times the length of the base times the height. Name this number between 0 and 1.

Question #32: Literature – World Literature

10 points

One member of this group hired a man based on his spitting into a river, and another member of this group teaches his servant to communicate using only hand signals. One member of this group was eventually named the Superior General of the Jesuits. One person in this group, who was born René d'Herblay [ren-ay dair-blay], participates in the ad-hoc trial of Milady de Winter, who was employed by Cardinal Richelieu [ree-shel-yoo]. This group, consisting of Athos, Porthos and Aramis, is joined by D'Artagnan [dar-tahn-yahn] in a novel by Alexandre Dumas [al-ex-an-druh doo-mah]. Name this group that often stated "One for all, and all for one".

the Three Musketeers
[accept Athos, Porthos
and Aramis, accept Les
Trois Mousquetaires,
prompt on "Musketeers of
the Guard"]



Round 2 Extra Section Toss-up Questions

Extra Question #1: Fine Arts - Classical Music & Opera

10 points

This instrument and the violin are used to perform	(concert) <u>harp</u> s
Fantaisie by Camille Saint-Saëns [kah-meel san	
sawn]. Beethoven's 10th String Quartet is	
nicknamed for this instrument even though this	
instrument is not used in it. Either a piano or this	
instrument is used to play Beethoven's Six	
Variations on a Swiss Song. Charles Oberthür	
[OH-bur-tur] and Elias Parish Alvars are composers	
who focused on this instrument, whose soundboard	
goes at an angle across its bottom. Versions of this	
instrument used in orchestras are large and have	
many foot pedals. Name these instruments that	
appear on the coat of arms of Ireland, and have up	
to 47 strings.	

Extra Question #2: Science – Biology

One animal in this phylum eats by catching	Mollusca or mollusks
plankton in a mucous web larger than itself. This	
phylum contains the sea butterfly and a striped	
species that consumed a lot of algae in the Great	
Lakes during the 1990s, causing a decrease in the	
fish population. An order in this phylum has an	
internal structure made of aragonite	
[uh-RAG-uh-"night"]. That order, the cuttlefish, is	
part of this phylum under the same class that	
includes the largest known invertebrates, squids,	
and which is called the cephalopods	
[SEF-uh-loh-"pods"]. The majority of species in	
this phylum are gastropods. Name this phylum of	
animals that live in a mantle, which might be a	
shell.	



Round 2 Extra Section Toss-up Questions

Extra Question #3: Mathematics – Math Concepts

10 points

This person is the namesake of a type of relation that satisfies the condition "things that equal the same thing also equal each other", which is this person's first "common notion". In an algorithm named for this person, you repeatedly subtract the smaller number from the larger number, which helps you find the two numbers' greatest common factor. János Bolyai [YAH-nohsh BOH-yai] and Nikolai Lobachevsky [NEE-koh-"lie" loh-bay-CHEV-skee] developed a system of geometry that violate a rule this man stated; their system is called hyperbolic geometry. Name this ancient Greek mathematician who wrote the geometry textbook *Elements*.

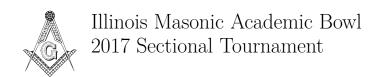
Euclid (of Alexandria) [or Eukleides]

Extra Question #4: Social Studies – World History

10 points

The army that won independence for this country promised religion, independence, and unity, so it was called the Army of the Three Guarantees. Its leader, who briefly became emperor of this country, was Agustín de Iturbide [ah-goo-STEEN day ee-tur-BEE-day]. Several leaders of this country were assassinated in the early 20th century, including Francisco Madero and Venustiano Carranza. When this country did not pay its bills in the 1860s, France overthrew its president, Benito Juárez [bay-NEE-toh WAH-rez], and installed Emperor Maximilian. Name this country that lost a war to the United States in the 1840s, ceding land that is now part of Texas and California.

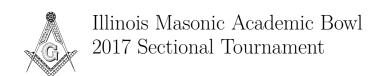
Mexico [or México [MAY-hee-koh] or United Mexican States or Estados Unidos Mexicanos]



Round 2 Extra Section Toss-up Questions

Extra Question #5: Literature – U.S. Literature

This event used to use chips of wood, but the	the lottery (from Shirley
now-splintered black box could not fit them all.	Jackson's "The Lottery")
The night before this event, Misters Summer and	
Graves made the necessary preparation, with their	
efforts being stored at the coal company. This	
annual event was attended 77 times by Old Man	
Warner. It occurs on June 27 th , and its target tries	
to declare that "it isn't fair, it isn't right" before	
being set upon. Name this event in which Tess	
Hutchinson is chosen to be stoned to death, in a	
short story by Shirley Jackson.	



Extra Question #6: Social Studies – U.S. History

10 points per part

The	e United States invaded this country in 1991	
dur	ing Operation Desert Storm in the Gulf War,	
but	left Saddam Hussein in power.	
1	Name this country, which the U.S. attacked	(Republic of) <u>Iraq</u> [or
	after it annexed Kuwait.	(Jumhuriyat al-) <u>Iraq</u>]
2	This person was the Chair of the Joint Chiefs of Staff during the Gulf War. He later became the first African-American Secretary of State.	Colin (Luther) <u>Powell</u>
3	Name the Secretary of State during the war, who put together a coalition of 34 countries supporting the invasion. This person served at other times as Secretary of the Treasury and White House Chief of Staff.	James (Addison) Baker (III)

Extra Question #7: Social Studies – U.S. History

Thi	s person was the United States Army Chief of	
Stat	ff during World War II, and he later served as	
Seci	retary of State and Secretary of Defense.	
1	Name this architect and namesake of the	George Marshall [accept
	European Recovery Program, which gave	Marshall Plan]
	money to Western Europe after the war.	
2	The first major aid payments made under the	Greece [or Hellenic
	Marshall Plan went to Turkey and this	${\bf Republic}$ or ${\bf Ellas}$ or
	European country, which was undergoing a civil	<u>Ellada</u> or <u>Elliniki</u>
	war against communists at the time.	Dhimokratia]
3	This city was divided into sectors after World	West <u>Berlin</u> , Germany
	War II. After the Soviets blockaded aid to this	
	city, the Allies used an airlift to send supplies.	



Extra Question #8: Science - Chemistry

10 points per part

-	nese solids don't sink to the bottom of the	
solu	tion, they form a suspension or a sol, which is	
a ty	pe of colloid.	
1	Give this term for a solid that forms when the	precipitate [or
	concentration of a solute exceeds its solubility.	precipitation]
2	Precipitation often occurs in the "single" and "double" versions of this class of reactions, in which one species takes the place of another or two species swap places.	(single or double) displacement reaction or replacement reaction [or salt metathesis reaction]
3	This compound precipitates out of hard water when it is boiled. This compound is in both calcite and aragonite, which form limestone.	calcium carbonate [prompt on CaCO ₃]

Extra Question #9: Science – Chemistry

This	s element is the second-most abundant element	
in t	he universe.	
1	Name this lightest noble gas.	helium [accept He]
2	At extremely low temperatures, helium exists in this state of matter, exhibiting a complete lack of viscosity [viss-KAH-sih-tee].	superfluid ity
3	Helium and neon are often used as a shielding gas in this type of welding, especially the gas tungsten version.	(gas medal) <u>arc</u> welding [accept <u>MIG</u> welding or <u>metal inert gas</u> welding; accept <u>TIG</u> welding or <u>tungsten inert gas</u> welding]