

MindSweep 2018

Part I – The Arts & The Sciences

PLEASE OPEN THIS BOOKLET ONLY WHEN YOUR PROCTOR SAYS “START”.

PLEASE FAMILIARISE YOURSELF WITH THESE DETAILS BEFORE THE START.

This BOOKLET contains 100 questions, divided into 2 topics. It comprises Part I of the contest. Your cumulative score across the topics will determine your ranking.

Rules:

1. You have **75 minutes** to answer as many of these questions as possible.
2. Each section **ends with five 2-pointers**. The **maximum total score in each section is 55**.
3. Papers will be swapped with another player for marking at the end of 75 minutes.
4. Unless stated in the question, last names will suffice. However, if you give the wrong first name, your answer will be incorrect!
5. Phonetically correct answers will be accepted.
6. After the topics have been marked, you will get your paper back and you have 5 minutes to check you agree with the marking. Disputes must be referred to the coordinator in this time. Please indicate which answer(s) you are querying with a large “?” question mark.
7. At the end of marking, your checker should copy your scores into the table on this sheet. If you agree with their marking, sign next to the score(s) to confirm this. Your complete script should then be handed in (it will be returned to you later). Once this has been done, no further discussions will be entered into about your score. The score signed for will be considered to be correct.
8. The overall highest scoring player from all participating venues will be **the KQA MindSweep Champion 2018**.
9. In the event of any unprecedented occurrence or unforeseen circumstances arising in the course of the quiz, your proctor’s decision shall be final and binding. KQA will adjudicate if the proctor refers the matter to us.
10. Your commencing to answer the questions indicates your acceptance of these rules.

Thank you.

Arul Mani, Dibyendu Das, Nagaratna Patil, Varun Rajiv and Hrishikesh Varma, KQA

Contestant’s Name		
#	Topic	Points
1	The Arts	
2	The Sciences	
	Total	

1.	Matthew Arnold's poem <i>Sohrab and Rustom</i> retells a story found in which national epic?	1.	<u>Shah Nameh</u>
2.	<i>A Very Old Man with Enormous Wings</i> is a documentary about Manohar Aich, a famous bodybuilder and India's first Mr. Universe. The title of the documentary is also the name of a short story by a famous author. Identify the author.	2.	Gabriel Garcia <u>Marquez</u>
3.	This word, immortalised by Charles Dickens, was often used to belittle PT Barnum in his lifetime. Barnum in turn embraced it, stating that he saw no problem with people in his profession using lies or hoaxes. What word?	3.	<u>Humbug</u>
4.	Name the musician - a superstar in his own right - who featured as a touring member of the 90s English rock band Elastica under the pseudonyms 'Dan Abnormal' and 'Norman Balda'.	4.	<u>Damon Albarn</u> (of Blur/ Gorillaz fame)
5.	X was a proto-Romantic movement in German literature and music that occurred between the late 1760s and early 1780s that borrowed its name from a 1776 play by Friedrich Maximilian Klingler. The setting of the play is the unfolding American Revolution, in which the author gives violent expression to difficult emotions and extols individuality and subjectivity over the prevailing order of rationalism. Identify the movement.	5.	<u>Sturm und Drang</u>
6.	<i>The Paris Wife</i> is a 2011 book by Paula McLain that depicts the story of a real-life author's first wife Hadley Richardson and the years they spent in Paris in the 1920s. Which famous author?	6.	Ernest <u>Hemingway</u>
7.	If the first features a strawberry one (to mark bloody and gory elements), the second a blue one (the police element) and the third, a green mint chocolate chip (representing little green men), which trilogy are we talking about?	7.	Three Flavours <u>Cornetto</u> trilogy
8.	Lonnie Rashid Lynn Jr. is an Oscar-winning musician and actor with a mononymous stage name, having dropped 'Sense' from his initial two-word name. He still titled his 2011 memoir <i>One Day It'll All Make Sense</i> . Name him.	8.	<u>Common</u>
9.	Pakistani-born artist Huma Bhabha installed two monumental sculptures on the roof of the Met for their latest commission. The taller of the figures, an ambiguously sexed, many-headed, 12-foot-tall body titled _____ suggests a benevolent visitor from another planet. Nearby, huddled prostrate, is the 18-foot-long Benaam ("unnamed"), which Bhabha used in a previous work to memorialize those killed in the Iraq and Afghanistan wars. The title of the installation is taken from a line of assurance by aliens in the sci-fi film <i>The Day the Earth Stood Still</i> . FITB.	9.	<u>We Come In Peace</u>
10.	His marriage to Vivienne Haigh-Wood, he later said, was like a Dostoevsky novel. It was a disaster, and he abandoned her to go off with a succession of lovers. She, meanwhile, had an affair with Bertrand Russell. Her supporters say that she was instrumental in the creation of his 1922 masterpiece. The 1930s saw her committed to a mental asylum - she died there in 1947. He won the Nobel Prize for Literature the next year. Who?	10.	<u>TS Eliot</u>
11.	Walther von der Vogelweide is considered the greatest German lyrical poet before Goethe. His speciality was Minnesang. What kind of song/poem was Minnesang?	11.	<u>Love</u> poems

12.	In something of a case of life imitating art, musician Bobby Farrell died in 2010 in the same city and on the same day - 30th December in St. Petersburg - as which influential figure 94 years earlier?	12.	<u>Rasputin</u>
13.	The US gymnastics team of Shannon Miller, Dominique Moceanu, Dominique Dawes, Kerri Strug, Amy Chow, Amanda Borden, and Jaycie Phelps that won the first ever Olympic gold medal for the country in the women's team competition at Atlanta 1996 was known by what moniker that is more familiar to us as a 1960 remake (and 2017 remake of that remake)?	13.	<u>The Magnificent Seven</u>
14.	Iron Maiden based their song 'To Tame a Land' on X's most famous novel. However, when they sought permission from his agent to use the novel's name, they were refused: " <i>No. Because X doesn't like rock bands, particularly heavy rock bands, and especially rock bands like Iron Maiden.</i> " Identify the author.	14.	<u>Frank Herbert</u>
15.	Which character , based in the fictional town of Vigata in Sicily, has been portrayed by actor Luca Zingaretti, and is a tribute to the author of the Pepe Carvalho series?	15.	<u>Inspector Montalbano</u>
16.	Who is the only person to have won BAFTAs for programmes in B&W, colour, HD, 3D and 4K, reflecting his enormous longevity in the medium? (full name required)	16.	<u>David Attenborough</u> (full name required)
17.	In 1895, Thomas E. Miller appeared before the South Carolina Constitutional Convention, which was planning to disenfranchise black voters. Noting how the elected black leaders of the post-Civil War era had governed efficiently, Miller said: "_____. We had built schoolhouses, established charitable institutions, built and maintained the penitentiary system, provided education for the deaf and dumb, rebuilt the ferries." A 2017 book about the Obama presidency takes its title from the blanks. Fill the blanks.	17.	<u>We Were Eight Years In Power</u> (by Ta-Nehisi Coates)
18.	<i>Captain EO</i> is a 3D science fiction movie that was shown at Disney theme parks from 1986 to 1996. However, it returned to Disney parks in 2010 - as a tribute - after what 2009 event?	18.	<u>Death of Michael Jackson</u>
19.	Who wrote <i>the Lexicon of Comicana</i> in 1980 where he described a set of symbols and devices used by cartoonists and giving them names like agitrons, briffits, squeans and grawlixes?	19.	<u>Mort Walker</u>
20.	In the TV series <i>Californication</i> , author Hank Moody had written three novels before the commencement of the series - <i>South of Heaven</i> , <i>Seasons in the Abyss</i> and <i>God Hates Us All</i> . All three source their titles from albums by an American band. Name the band.	20.	<u>Slayer</u>
21.	A bunch of Brazilian musicians put together a compilation in 1968 as a protest against the repressive politics of the times. The title of this album was <i>Tropicália; ou, panis et circensis</i> . While one part refers to their country, the other is a comment on surrendering civic duties by a poet from Roman times. Who is the civic duty comment credited to?	21.	<u>Juvenal</u>
22.	Richard Harris and Michael Gambon both portrayed the role of Dumbledore in the Harry Potter movies. Incidentally, they have also both played another fictional character who was recently revived by Rowan Atkinson, a choice considered unusual by many. Name the character.	22.	<u>Inspector Maigret</u>

23.	In the winter of 1941, he lay ill in German-occupied Paris. Over three days he wrote a play titled <i>La Desir attrape par la queue</i> (Desire Caught by the Tail). It was staged only in 1944, but was directed by Albert Camus and had a cast that included Jean-Paul Sartre and Simone de Beauvoir. Identify the playwright who wrote this play with characters like Big Foot, Tart, Bow-wow, Fat Anguish, Skinny Anguish and The Curtains.	23.	Pablo <u>Picasso</u>
24.	X's father was a flautist who used to play on the ____ Sunday Evening Hour, a concert music radio series sponsored by an automobile company - this is the origin of X's middle name, who was also bullied in school for having a girl's name. Identify X. (full name required)	24.	<u>Francis Ford Coppola</u>
25.	"Lord of Light was the first X book I ever read. I was in college at the time, a long-time reader who dreamed of writing himself one day...I'd never heard of this guy. But when I read those words for the first time, a chill went through me, and I sensed that SF would never be the same. Nor was it. Like only a few before him, [he] left his mark on the genre" To whom is George RR Martin paying tribute?	25.	Roger <u>Zelazny</u>
26.	Which critically-acclaimed 2014 documentary was marketed with the tagline (which served as an explanation of the title) 'The only thing Roger loved more than movies'?	26.	<u>Life Itself</u> (about Roger Ebert)
27.	After seeing Frances McDormand paste photos of John Wayne in her trailer, Sam Rockwell responded by posting photos of Lee Marvin in his. This, he says, helped him get into the mood for his Oscar-winning performance in <i>Three Billboards</i> . Which film featuring these two as adversaries did Rockwell thus take as inspiration?	27.	<u>The Man Who Shot Liberty Valence</u>
28.	<i>Personal Reminiscences with Henry Irving</i> (1906), a biography of the Victorian actor, was written by his personal assistant X, who had also used Irving as an inspiration for a more famous creation some years prior. Identify X.	28.	Bram <u>Stoker</u>
29.	In 2003, Cornelia Parker wrapped an artwork inspired by Francesca Rimini with string to illustrate the idea of distance. One Piers Butler took a pair of scissors to free the original artwork from this intervention. What was the artwork?	29.	Rodin's <u>The Kiss</u>
30.	This legendary director helmed two India-themed films titled <i>The Tiger of Eschnapur</i> and <i>The Indian Tomb</i> towards the end of his career. One of the films featured a memorable snake dance, and yet it did nothing for his flagging career. Who?	30.	Fritz <u>Lang</u>
31.	After a legendary studio named after the Libyan-Arabic name for the Sirocco ceased production in 2015, some of its employees started a new company named for a Serbo-Croatian word meaning 'midnight' to signify the beginning of a new day for them - they debuted with the critically-acclaimed <i>Mary and the Witch's Flower</i> in 2017. Name the new studio.	31.	Studio <u>Ponoc</u> (formed by ex-employees of Studio Ghibli)
32.	<i>Mrs. Osmond</i> - referring to the married title of protagonist Isabel Archer - is a 2017 book by John Banville that serves as a sequel to which 1881 book?	32.	<u>Portrait of a Lady</u> (by Henry James)
33.	In Russian folklore, the arrival of this mythical creature usually presages complicated quests, or trouble. The creature lends its name to a famous 20th Century ballet as well. Name the mythical creature.	33.	<u>Firebird</u>

34.	They are 22 in number, and were authored over a quarter-century, from 1787 to 1791. The first was based on the First Commandment and the last names a wind instrument. The sources for these works are as diverse as Ovid's Metamorphoses, Mithridates by Racine, and Torquato Tasso's Aminta. What are we talking about?	34.	<u>Mozart's Operas</u> (specifically his operas – just Mozart or any other composition like symphonies will not get points)
35.	<i>"It is exclusive because we are trying to solve huge technical problems. It is not a paint that comes out of a tube; it's toxic and once the nano-material is placed on a surface and "grown" in a reactor, it becomes incredibly fragile - you can hardly breathe near it".</i> Who , about a substance he holds closely?	35.	<u>Anish Kapoor</u> (about Vantablack)
36.	Which highly profitable yet infamous 1984 song was dismissed by NME with the headline 'TURKEY: Millions of Dead Stars write and perform rotten record for the right reasons'?	36.	<u>Do They Know It's Christmas?</u>
37.	In 1987, this enterprise in Bay Ridge, Brooklyn, changed hands to become a gay club named Spectrum. It then became a Chinese restaurant named Bamboo Garden. The original name was inspired by a cult film of the 1960s, and is essentially a compressed version of the number-plus-three-words title, minus the colon. Name this location that played a key role in a Brooklyn-based 1970s movie.	37.	<u>2001 Odyssey</u> (from Saturday Night Fever) – no points for 2001: A Space Odyssey
38.	(VISUAL) These paintings show a traditional flatbread being made. In 2014, this process was added to the Intangible Heritage list. The decision caused protests in Azerbaijan, Kazakhstan, Kirghizstan and Iran because it seemed to suggest that the tradition originated in Armenia. Identify the flatbread.	38.	<u>Lavash</u>
39.	(VISUAL) Tell us who Andy Garcia is playing in this film from the still.	39.	Amadeo <u>Modigliani</u>
40.	(VISUAL) Gojira is a French heavy metal band that is known for their environment-themed lyrics. The cover art of their 2005 album 'From Mars To Sirius' bore a strong resemblance to the logo of a well-known marine conservation organisation that the band was known to support. Name the organisation.	40.	<u>Sea Shepherd Conservation Society</u> (accept Sea Shepherd)
41.	(VISUAL) In February 2015, ISIS militants drilled the face off one of the stone statues of Lamassu that had guarded the gates of Nineveh for more than a thousand years. On 28 March, 2018, a life-sized replica of the Assyrian deity was unveiled atop the fourth plinth in Trafalgar Square. Designed by Iraqi-American artist Michael Rakowitz, it is part of a project to reconstruct all the objects known to have been looted from the National Museum of Iraq in the aftermath of the 2003 US-led invasion. Fittingly, Rakowitz constructed the replica from 10,500 flattened-out tins of Iraqi _____. What material did he use/fill the blanks.	41.	<u>Date Syrup</u>
42.	(VISUAL) Which saint and martyr does this icon represent?	42.	St. <u>Catherine</u>
43.	(VISUAL) What is the title of this work of art (a series of paintings on un-stretched canvas) by leading contemporary British artist, curator, critic and academic, Keith Piper?	43.	<u>Four Horsemen of the Apocalypse</u>
44.	(VISUAL) One of the most famous churches of England, this abbey is located in a place on the world heritage list that is also famous for Roman structures and Jane Austen. The abbey holds the distinction that the first monarch of England, King Edgar, was crowned here in 973 AD. Name the abbey/place.	44.	<u>Bath</u> Abbey

45.	(VISUAL) The coat of arms of this music legend includes piano keys, records, the colours of Watford FC, and the motto 'el tono es bueno' (i.e., 'the tone is good'). Name him.	45.	<u>Elton John</u> (full name needed)
46.	He started out as a watchmaker, wrote plays, and ended up supporting both the American Revolution and the one in his own country. His skills with clockwork earned him a royal commission, and made him a celebrity. The 1791 play <i>La Mere Coupable</i> (The Guilty Mother), was the third in a trilogy, and the only one not to feature the name of Count Almaviva's sidekick. Name this polymath, and the trilogy. (TWO-POINTER)	46.	<u>Pierre Beaumarchais</u> AND <u>The Figaro Trilogy</u>
47.	In 1989, when his critically acclaimed film failed to win the Palme d'Or, he told jury chairman Wim Wenders that he would be waiting for him in an alley with a baseball bat. He also complained that Wenders said that his character, Mookie, was not a heroic one. However, he has no issues with his fellow American, the then 26-year-old prodigy who walked away with the award for his breakthrough movie. Name both directors. (TWO-POINTER)	47.	<u>Spike Lee</u> AND Steven <u>Soderbergh</u>
48.	He was a struggling composer when he composed an opera in 1841, telling the story of a Biblical king who persecuted and exiled Jews from their homeland. It was an allegory attacking the Austrian domination of his native Italy and made his career. Who? Which king/opera? (TWO-POINTER)	48.	Guiseppe <u>Verdi</u> , <u>Nebuchadnezzar II/ Nebucco</u>
49.	This legendary European studio has been up and running since 1912, and takes its name from the locality around it. Films that have been shot here include <i>The Reader</i> , <i>Metropolis</i> and <i>Inglorious Bastereds</i> . The city in which it is located is familiar to us from a 1945 powwow. Name both the studio and the city. (TWO-POINTER)	49.	<u>Babelsberg</u> Studio, <u>Potsdam</u>
50.	(VISUAL) This 1986 biopic saw Sean Bean and Tilda Swinton make their film debuts. Name the director, and the painter from the 1500s that this still should remind you of. (TWO-POINTER)	50.	Derek <u>Jarman</u> , <u>Caravaggio</u>

VISUALS FOR THIS SECTION



1.	They don't moo like other cattle species. This preference has got them a biological name meaning 'grunting bull'. Identify this cold-adapted ruminant.	1.	<u>Yak</u>
2.	A Tom Swift novel that was also known as Daring Adventures in Elephant Land was one among many of the series written under the pen name Victor Appleton. Jack Cover, a NASA researcher and an ardent Swift fan was inspired by the book to develop/name what?	2.	<u>TASER</u> (Tom A. Swift's Electric Rifle)
3.	This device has been known since antiquity, first being described by Philo of Byzantium in terms of an eight-sided ink pot with an opening on each side which can be turned so that while any face is on top, a pen can be dipped and inked without ink running out through the other holes. It has sometimes also been called a Cardian suspension after Gerolama Cardano, who described it in detail. Identify it.	3.	<u>Gimbal</u>
4.	#23969 and #23970, bought for \$5,000, are on display at the Rice Gallery of the Field Museum of Natural History in Chicago. Recent research suggests that their count was closer to 35 rather than the 135 that was stated in 1898. Who are these two, immortalised in literature and cinema?	4.	<u>Man-eaters of Tsavo</u>
5.	It is thought to have originated from a folktale about Prophet Mohammed's pet Muezza who saved him from a venomous snake. When the prophet stoked her back in gratitude, it is believed that they earned this ability that is also known as the Righting Reflex. What are we talking about?	5.	<u>Cats' ability to always land on their feet</u>
6.	This smaller species within a genus of large mammals was once found in India, Nepal, Malaysia and Vietnam but has been hunted to extinction on account of the curative properties of several body parts. The last remaining members are to be found in the Ujung Kulon National Park. If the species name is <i>sondaicus</i> , on which island would you find this species?	6.	<u>Java</u> / Javan Rhino
7.	Gauss wanted a heptadecagon inscribed on his tombstone but the stone mason refused saying that the final carving will essentially look like a _____ and hence serve no purpose. Fill the blank.	7.	It would look like a <u>circle</u>
8.	The earliest cows were mighty beasts that stood almost as tall as elephants, with lean, powerful frames and fearsome horns. These 'supercows' died out in Poland in 1627 - one of the first recorded cases of extinction. Name these supercows.	8.	<u>Aurochs</u>
9.	Though its effects are improbably inflated for Hollywood-y purposes, the stated technology behind the genetically-modified monsters in the 2018 Dwayne Johnson-starring <i>Rampage</i> is real. Hailed by <i>Science</i> magazine as the Breakthrough of the Year in 2015, it hasn't been banned by the US Government as stated in the movie. Identify it.	9.	<u>CRISPR</u>
10.	His magnum opus was called "Mathematike Syntaxis" in Greek, although we know it by an Arabic name. Medieval artists often portrayed him wearing a crown, confusing him with the several kings who went by the same name. Who?	10.	<u>Ptolemy</u>
11.	The golden mantella is a uniformly yellow, orange, or red frog. These colours are a message, and such communication is called aposematism in biology. Either tell us what aposematism is, or what the message is.	11.	<u>Using colours to message predators/that it's poisonous</u>

12.	Gecko tape is a biomimetic adhesive developed in 2003 as a collaboration between labs in Manchester and Russia. It was first tested by attaching a sample to the hand of a 15 cm high plastic figure of X, which enabled it to stick to a glass ceiling. What was the plastic figure used (i.e., X)?	12.	<u>Spider-Man</u>
13.	The recently discovered <i>Colobopsis</i> _____ is a type of ant found in south-east Asia, which does something when attacked to release a sticky, toxic fluid – it kills itself, though its nest is protected. What does it do/fill the blank?	13.	<u>Exploden/Explodes</u>
14.	The largest of the giraffe species is often referred to by the name of a human community in the vicinity, and sometimes by the name of the distinctive landmark in the region. Give either of these common names.	14.	<u>Masai</u> (or) <u>Kilimanjaro</u> giraffe
15.	The term comes from Japanese meaning 'blur' or 'haze'. It may also mean mental haze or senility. The English spelling was popularized in 1997 in Photo Techniques magazine. Name this photographic effect.	15.	<u>Bokeh</u>
16.	Which lousy killer of yesteryears takes its name from the Greek word for hazy or unclear-a description of the patient's mental state-and comes in epidemic, scrub and marine forms?	16.	<u>Typhus</u>
17.	Before the Royal Observatory at Greenwich was built, the Astronomer Royal used this location within the Tower of London for recording his observations. As a result this location is known as the '_____ Turret'. Fill in the blank.	17.	<u>Fleming</u>
18.	The five criteria are summarized using words chosen to form a backronym (Appearance, Pulse, Grimace, Activity, Respiration). The person who devised it is a Dr. Virginia X. Fill the missing surname.	18.	<u>Apgar Scale</u>
19.	GoogleNet is a deep neural network meant for object classification. A part of GoogleNet (and sometimes the entire network as a whole) also goes by the name of a famous modern sci-fi film. Name it.	19.	<u>Inception</u>
20.	This French bacteriologist's major claim to fame rests on a decade of research during World War I on a potato glycerin medium. A tragedy in administering the product of these labours at Lubeck in 1930 is believed to have hastened his demise. Today, that product is one of WHO's essential medicines for worldwide use and is the reason for his being one of the few French names retained in Vietnam after independence. Either give us his name, or the product which couples his name with that of a veterinarian.	20.	<u>Calmette</u> (or) <u>BCG Vaccine</u>
21.	Whose last published paper was titled "A smooth exit from eternal inflation" and co-authored with Thomas Hertog of the University of Leuven in Belgium?	21.	<u>Stephen Hawking</u>
22.	In his letters and books, X described the agent opening the door between the chambers as a "finite being". William Thomson was the first to use the word "Y" for X's concept, in <i>Nature</i> in 1874, and implied that he intended the mediating, rather than malevolent, connotation of the word. XY?	22.	<u>Maxwell's Demon</u>
23.	In 1915, more than thirty years after the fact, Lady Hope, a zealous evangelist, came out with a story that made headlines. She claimed that she'd visited X on his deathbed, where he expressed his regrets about his life's works and added that that he'd become a believer. Although subsequently discarded for being a falsehood, it continues to be popular among this man's opponents. Who is the man in question?	23.	<u>Charles Darwin</u>

24.	The Citroen Traction Avant (1947) pioneered the mass production of three features still in use today: if two of them were a unitary body with no separate frame and four-wheel independent suspension, what was the third?	24.	<u>Front-wheel Drive</u> (literally, 'Traction Avant')
25.	_____ Syndrome is a rare condition present in hedgehogs where, due to injury or infection, air gets trapped under its skin. The usually treatment is to release the trapped air by using a needle. Fill in the blank.	25.	<u>Balloon</u>
26.	The island of Anguilla takes its name from the fact that its outline resembles a certain aquatic life form. Which one?	26.	<u>Eel</u>
27.	In 1942, this young physician was part of a Nazi commission tasked with the screening residents of a home for children with mental disabilities near Vienna. The mandate was to categorize them according to their intellectual abilities and kill the "uneducable" ones. Thirty-five children were marked out and killed. His cruelty to these kids was especially ironic considering what he lends his name to. Who?	27.	Hans <u>Asperger</u>
28.	In 1989, David Strachan noticed that hay fever and eczema were less common among those who had grown up in large families. This was the beginning of a steady stream of work that began to explain autoimmune and allergic disorders in a counterintuitive way. By what alliterative name are such ideas known today?	28.	<u>Hygiene Hypothesis</u>
29.	In 1610 pamphlet titled <i>Sidereus Nuncius</i> , the author presented his discovery of four previously unknown objects that had important ramifications in the field. Hoping to get patronage from the powerful rulers of Florence, he named these objects after them. Today, ironically, they are known in his name. What are we talking about?	29.	<u>Galilean Moons</u> (just Galileo will not do)
30.	<i>Aspergillus oryzae</i> , as the name suggests, is a rice mold. Under the name koji-kin, it is a crucial ingredient in the manufacture of what?	30.	<u>Sake</u>
31.	Vitalik Buterin picked the name X after browsing Wikipedia articles about elements and science fiction. <i>"I immediately realized that I liked it better than all of the other alternatives that I had seen; I suppose it was the fact that sounded nice and it had the word '_____'; referring to the hypothetical invisible medium that permeates the universe and allows light to travel."</i> Identify X.	31.	<u>Ethereum</u> (after 'Ether')
32.	Krasevietz, Beck, Ikar, Tungus, Nalyot and Toi are some of the set of individuals that made critical contributions to a seminal early 20th century scientific study. Who or what are these?	32.	<u>Pavlov's Dogs</u> (just Pavlov will not do)
33.	It comes from the Greek word for 'to take'. In dictionary-making the term refers to the highlighted word up for definition. In other fields, the names of Gauss, Euclid and Abel are found associated with these terms. What is the term we are looking for?	33.	<u>Lemma</u>
34.	A recent study of samples previously assumed to be of the oceanic phytoplankton <i>Syracosphaera corolla</i> found two distinct morphological types. This led to the description and naming of a new species as <i>Syracosphaera azureaplaneta</i> in honour of something. What?	34.	<u>The Blue Planet</u>

35.	The X medal is the oldest surviving scientific award in the world. It was instituted in 1731 following a donation of 100 GBP by X to the Royal Society that was to be used for carrying out experiments, though the conditions for awarding the medal has changed several times. The first two medals (1731 and 1732) were awarded to Stephen Gray. The 2017 medal was awarded to Andrew Wiles. Identify X.	35.	Sir Godfrey <u>Copley</u>
36.	Eugene Garfield qualified in linguistics and set up the Institute for Scientific Information inspired by a Vannevar Bush essay. His lifelong passion for documenting the progress of scientific thinking and the sharing of ideas led the way for such developments as the PageRank algorithm associated with Google. He was also responsible for a measure of the sharing of ideas in the sciences that is now a much bandied about term in academic circles. Put down this two-word term.	36.	<u>Impact Factor</u>
37.	The Maori word for shark is found in the names of two species of sharks, including the 'shortfin' version, which is the fastest shark in the sea. What's the good word?	37.	<u>Mako</u>
38.	His son Travis was named after Travis County, Texas because he met his wife while she was doing her PhD in mathematical physics at the University of Texas. His daughter, almost understandably, is named Miranda after one of the moons of Jupiter. Who?	38.	Neil <u>deGrasse Tyson</u>
39.	What dreaded two-word term's origin is generally attributed to a 14th century poem titled 'On the Judgment of the Sun at a Feast of Saturn' by Simon de Couvin? In it, he blames the said conjunction as the reason for this incidence.	39.	<u>Black Death</u>
40.	Citing the unique opportunity scientists have to study the "colonization process of new land by plant and animal life," UNESCO designated this island a World Heritage site in 2008. The island had been named in 1965 by the government of Iceland for the fire god of Icelandic mythology. Name the island.	40.	<u>Surtsey</u>
41.	(VISUAL) Pictured below is a genus of X in the ice plant family, Aizoaceae. These plants are native to southern Africa and avoid being eaten by blending in with surrounding rocks. X?	41.	<u>Succulents</u>
42.	(VISUAL) Considered a power couple, the wife, Sarah Sze, is a renowned sculptor and installation artist. The husband is an oncologist and writer. Identify the husband.	42.	<u>Siddhartha Mukherjee</u>
43.	(VISUAL) The image depicts a naturally occurring phenomenon in some tree species where the upper most branches in a forest canopy avoid touching one another. What is this known as?	43.	<u>Crown Shyness</u>
44.	(VISUAL) <i>Saxifraga</i> is a genus of plants that are typically found in Arctic-alpine ecosystems. Though the name could indicate the places in which it grows and its effect upon those places, it in fact refers to its ancient medicinal use for treatment of urinary calculi. What does 'saxifraga' literally mean?	44.	<u>Stone/Rock Breaker</u>
45.	(VISUAL) This instrument, known as a Leucotome, was used to carry out a surgical procedure featuring insertion and circular movements. What name was given to this procedure?	45.	<u>Lobotomy</u>
46.	The American name is derived from the Mi'kmak word for snow-shoveler, on account of its pawing the snow to look for food. The more common European comes not from its use a draught animal, but from a word meaning horned. Give both names. (TWO-POINTER)	46.	<u>Caribou AND Reindeer</u>

47.	The FFF System is a system of units based on impractical measurements - though not in practice, they have often been used to humorous and/or educational ends. If the unit of mass is a firkin (derived from Middle Dutch vierdekijn meaning "fourth") of water, what are the units for length (F) and time (another F)? (TWO-POINTER)	47.	<u>Furlong AND Fortnight</u>
48.	In 1868, his observations of a solar eclipse led to his being jointly credited with Pierre Janssen as the discoverer of an element. The next year, he founded a journal, and gave it a mononym derived from a line of poetry by Wordsworth. Name this man of science, and name either the element or the journal. (TWO-POINTER)	48.	Norman <u>Lockyer</u> , AND <u>Helium</u> (or) <u>Nature</u>
49.	The coywolf is a lesser-known example of a phenomenon embodied by the Nanulak. If the coywolf isn't so shy, then what is it? And, if the Nanulak brings two Inuit words together, what caused all of this? (TWO-POINTER)	49.	<u>Coyote-Wolf hybrid</u> , AND <u>Global Warming</u>
50.	(VISUAL) This shape was given the name Arbelos in ancient geometry because it looked like the distinctive tool associated with a profession. Which profession? Who gave it this name? (TWO-POINTER)	50.	<u>Cobblers/Shoemakers AND Archimedes.</u>

VISUALS FOR SECTION II

