Karnataka Quiz Association

Presents

MindSweep 2015

Part I — The Arts and 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 marked wrong.
- 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 guerying with a large "?" guestion 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.
- The highest scoring player overall, from all participating venues, will be the KQA MindSweep Champion 2015.
- 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, Varun Rajiv and Hrishikesh Varma, KQA

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

http://kqaquizzes.org/ @kqaquizzes

1.	bandits, beggars and mercenaries whose lives revolve around the <i>kaoliang</i> liquor, while another is a historical narrative of the country's decades of turmoil from the viewpoint of a spoilt, illegitimate child. Which author , most of whose novels are set in a semi-fictional town, based on Gaomi in the Shandong province where he grew up?	1.
2.	This landmark comic-book originated, according to its creator, as an idea that he submitted to a script-writing contest as a 22-year-old. He later said that "[they] decided a transsexual terrorist wasn't what they were looking for". Name the alliterative title that resulted, or the writer.	2.
3.	Postmemory is a term coined by Marianne Hirsch to describe the relationship that the "generation after" bears to the trauma of those who came before—to experiences they "remember" only by means of stories and images among which they grew up. Which seminal 1980s work inspired Hirsch to come up with this term?	3.
4.	In the fall of 1945, he bravely ventured to write a screenplay for <i>Alice in Wonderland</i> , for Walt Disney. Disney rejected it saying that it "was so literary I could understand only every third word." Who?	4.
5.	This well-known storyteller's name comes from a word meaning 'hostage'. In the early 1990s, Derek Walcott published an epic poem titled <i>Omeros</i> , inspired by his life and works. Name him.	5.
6.	Film (French for 'grey'), a term coined by film critic Thom Andersen, describes a unique series of films released between 1947 and 1951, in the context of the first wave of the communist investigations, that were more pessimistic and went beyond noir conventions to offer shades of grey in the motivations of characters. Name the genre .	6.
7.	These are images from a book by Gond artist Baijju Shyam that details his experience of travelling from rural India to London to paint murals on the walls of a restaurant there. He titled it in homage to a famous 1894 collection of stories – this book adds the name of the city to the title. Name the 1894 book.	7.
8.	117 is the codename for Hubert Bonisseur de La Bath, a secret agent created by Jean Bruce. He worked with the CIA after working with, which was a short-lived predecessor to the CIA formed during WWII in order to coordinate espionage behind enemy lines. First appearing in a series of books from the 1940s, the character was revived a few years ago with two films that starred Jean Dujardin as de La Bath. Fill the blanks. (An abbreviation will do).	8.
9.	is a 1999 Leos Carax film starring Guillaume Depardieu and Catherine Deneuve that is loosely based on the Herman Melville novel <i>Pierre; or, The Ambiguities.</i> The film title is an acronym of the French title of the novel, plus an indication of which draft version of the script was used in making the film. Name it.	9.
10.	In April 2007, 5,567 people - led by the cast of the musical <i>Spamalot</i> - broke the Guinness World Record for the largest X -playing orchestra. Which 'instrument' were they all playing?	10.

11. X is an article of clothing for women, referring often to a specific type of 11. upper garment common in Europe from the 16th to the 18th century. Since 1980, X is most commonly found in a derogatory phrase used to describe a literary genre, thanks to the tendency of the covers of such novels to feature scantily-clad women being grabbed by the hero. What phrase? **12.** In Rolling Stone's *The 500 Greatest Songs of All Time*, published on **12.** December 9, 2004, there was only one song – at No. 345 – that was entirely not in English. Name it. 13. Psychobiddy is a colloquial term for a subgenre of horror/thriller movies 13. that began in 1962 with Whatever Happened to Baby Jane?. 'Biddy' means a gossipy busybody, often an older woman, and is a diminutive for the name X. Which name? **14.** Arthur **X** St. John **Y** (we know the man as XY) was an English writer from **14.** the first half of the 20th century. The fact that the name X can be confused as a woman's name was used as a joke in the film Lost in Translation, but in fact the writer himself was at one point married to X Gardner, and amongst their friends they were known as 'He-X' and 'She-X'. **Name the writer.** 15. Before eventually dubbing their 1966 album Revolver, the Beatles had 15. wanted to call it After-Geography as a joking tribute to which 1965 album released by their arch-rivals, the Rolling Stones? **16.** X, Latin for 'lost one', is the name of one of the heroines in Shakespeare's **16.** The Winter's Tale. Mary Robinson was an English actress and poet who was known as 'the English Sappho' during her lifetime and earned the nickname X after having played the role on stage in 1779. More recently, X was the name given to the female protagonist in a 1956 book by Dodie Smith that was famously adapted into a Disney animated film. **Identify X?** 17. Never Been Kissed is a 1999 film starring Drew Barrymore in which her 17. character, a journalist at the Chicago Sun-Times, is assigned by her editor to report undercover at a high school to help parents become more aware of their children's lives. The plot is a direct lift from which 1981 book that involved its author undertaking a similar exercise in San Diego? **18.** When Harvey Met Bob is a 2010 British film that has nothing to do with the **18.** Weinstein brothers - it focuses on the relationship between two people and the events leading up to the organisation of an event in 1985. If the 'Harvey' in the title is event promoter Harvey Goldsmith, who is 'Bob'? 19. Fill the blanks in this quote from CP Scott, erstwhile editor of The 19. ____, but facts are sacred.' 20. What was Goethe, not particularly well-versed in issues of music, 20. commenting on when he described it thus: "One hears four rational people conversing with one another and believes he gains something from their discourse"?

	When this character was offered to Bela Lugosi, he rejected it because it was not a speaking role. The man who took it up did not get mentioned in the credits and wasn't even invited to the premiere, but it became his most iconic role. Who?	
22.	About which 1963 movie did a critic remark that "Dreams, nightmares, reality and memories coexist within the same time-frame; the viewer sees Guido's world not as it is, but more 'realistically' as he experiences it, inserting the film in a lineage that stretches from the Surrealists to David Lynch."?	22.
23.	X , whose real surname was Quoirez, was a French playwright, novelist, and screenwriter most famous for her first novel <i>Bonjour Tristesse</i> . While her adopted surname evokes a connection to an American astronomer, she picked it from a character in Proust's <i>In Search of Lost Time</i> . Name her (full name required).	23.
24.	X monasticism is a monastic tradition that stresses community life - the Christian version was founded by Pachomius the Great. The word X is derived from Greek for 'common' and 'life'. X was also used by horror author Clive Barker to refer to a race of extraterrestrial beings often featured in his work, most famously in the Hellraiser series. Identify X?	24.
25.	X was a 1928 film adaptation of a Victor Hugo novel that starred Conrad Veidt - his appearance in the film was one of the primary inspirations for The Joker. The title of the film was used in 2005 by Ed Brubaker and Doug Mahnke as a subtitle to a widely-acclaimed one-shot Batman comic. Name the film.	25.
26.	The writer David Lagercrantz covered crime for the newspaper <i>Expressen</i> and ghost-wrote <i>I am Zlatan</i> for a famous sportsman. He was picked for a sensitive taskthe result is titled <i>Det som inte dödar oss</i> , or <i>What Doesn't Kill You</i> , and is expected in August 2015. What are we talking about?	
27.	The title comes from mashing the name for a then-in-vogue technology that gave output to the left front, left back, right front and right back channels with a suffix that sounded like it belonged to a mental disorder. Which cult 1970s film?	
28.	His subjects included his grandson David, at about age 7, with a golf club, squinting into the sun, his wife Mamie, granddaughter Anne, a self-portrait, Viscount Montgomery of Alamein and Abraham Lincoln. He seems to have begun painting as a way of unwinding. The Lincoln portrait was painted in 1953, possibly the beginnings of a high-stress phase in his life. He managed about 260 paintings in the last 20 years of his life, and usually signed them DE or DDE. Identify this amateur artist.	28.
29.	(VISUAL)The 2011 Google Doodle issued in tribute to this luminary of 20th century art surveys in sequence of some of his best-known and most characteristic work: Prometheus, Leda, The Newborn, Sleeping Muse, Mademoiselle Pogany, Bird in Space, and The Kiss. Who?	
30.		30.

31.	Initially called <i>ducat</i> for the Doge of Venice, it was renamed after the mint there, because the city began minting a silver coin with the same name in 1543. The name of the mint was derived from Arabic <i>sikka</i> , meaning a coin	31.
	mould or die. In later centuries, these coins were stitched to women's headdresses - this led to the name of the coin coming to denote small shiny,	
	circular decorations. Name either the coin or the latter term.	
32.	The garments associated with the pair were made out of clay as smooth as	
	porcelain. Straw, chaff, animal hair and quartz were part of the mixture that protected and strengthened the clay material, as did ropes attached to	
	wooden pegs at the bottom layer. They were painted over several times.	
	The outer robes on one were pink and later orange on the outside, with a	
	pale blue lining, whereas the other was white. What pair are we talking	
	about?	
33.	In 2007, Jonathan Lethem wrote an article in Harper's titled 'The Ecstasy of	33.
	Influence: A', which called for a return to the gift economy in the	
	arts. The missing word literally means 'kidnapper' in Latin, with its root	
	meaning 'snare/net', which in turn was based on the Indo-European root	
	meaning 'to weave', which nicely dovetailed with the argument Lethem was	
34.	making in his article. What word? Reflecting on this author's possion for nature concentration. Bishard Dawkins	24
34.	Reflecting on this author's passion for nature conservation, Richard Dawkins responded to his 2001 death with the words 'Science has lost a friend,	34.
	literature has lost a luminary, the mountain gorilla and the black rhino have	
	lost a gallant defender.' Who was Dawkins writing about?	
35.	Dead Man's Land by Robert Ryan is a novel set in the trenches during the	35.
	WWI, where a bizarre death arises the suspicions of an army doctor, who	
	decides to find out the mischief maker, using the tricks he learned from an	
	old friend. Name this character?	
36.	A few years back, London artist Tim Wright took on a new student who, over	36.
	two years, created over 400 works ranging from charcoal to oil paintings,	
	and culminated in a full size copy of 'Snow Storm - Steam-Boat off a Harbour's Mouth.' Who was the student?	
37	His diary entry for 2 August 1914 read "Germany has declared war on	27
37.	Russia. In the afternoon, swimming lessons". This entry is often quoted by	37.
	scholars talking of the writer's estrangement from his own world; his	
	Weltfremdheit, in other words. Who is this writer?	
38.	The shape is often described as a transparent teardrop and to its creator it	38.
	signified the true nature of his people. Its dripless spout was created by	
	inverting the design of spouts on teapots. Identify either the designer or	
	the iconic design which found a place in the Museum of Modern Art.	
39.	Some years back, when she was greeted by reporters at her doorstep	39.
	informing her that she had won the Nobel Prize, her response was to mutter	
	'Oh, Christ!" and wave them away. Her Nobel lecture was titled 'On Not	
	Winning the Nobel Prize' and stressed the importance of reading early in life. Who?	
40.	He was part of a coalition called 'The Mobe' (by the press) that marched on	40
70.	the Pentagon in 1967 to protest the Vietnam War. He later wrote a non-	
	fiction work about this, the full title of which read 'History as a Novel/The	
	Novel as History'. Name him	
	Novel as History'. Name him	

41.	The Portrait of Pope Innocent X is a 17th century painting described by many art critics as the greatest portrait ever painted. In the 1950s, an artist	41.
	became so obsessed with the painting that he created dozens of his own	
	versions, popularly known as the 'Screaming Popes'. Name either of the	
1	two artists involved.	40
42.	"Breugel followed in the shadow of X (c. 1450-1516), another painter of the	42.
	same Flemish ethnicity. Breugel, in his own lifetime was called a 'second X' – but he ultimately transcended his mentor. X was a fantasist; Breugel	
	portrays a world that is all too real. It was Breugel who saw the truth behind	
	the nightmare. X is an architect of the unreal, Breugel was a historian of the	
	horrors we know." Art critic talking about two artists. Name X.	
43.	(VISUAL)These awards, which have been given since 1981 for significant	43.
	work in science, humanities and the arts, were instituted by King Felipe of	
	Spain and are named after the title he then bore. The award was designed	
	by a Barcelona-based artist. Name the award or the artist who designed	
1	it.	
44.	(VISUAL) A private company named Myntverket handles the production of	44.
	these artefacts every year. The visual shows one of the last stages in the	
	production. What do they make?	<u>-</u>
45.	(VISUAL) Identify this artist, famous for turning casts and corsets from a	45.
	painful three-month convalescence into artworks.	
46.	A certain writer composed the epitaph "At Least He Never Walked" for	
	himself in a 2008 work devoted to running. The title, What I Talk About	
	When I Talk About Running, is a tribute to a story by a celebrated American writer. Name both writers. TWO-POINTER	
47.	In 1955, Johnny Cash suggested building a song around a saying he had	47
	heard in the army to an upcoming musician. The artiste wakes up early in	
	the morning with the song ready in his head, and writes it down on a potato	
	sack, with the word swaed figuring a lot in the lyrics. The number that	
	resulted topped the country, R&B and pop chartsthe first time such an	
	event had occurred. Name the musician and the song. TWO-POINTER	
48.	Art Linkletter travelled to Copenhagen in 1951 with a certain X. The two of	48.
	them went to the location Y, where Linkletter noticed X scribbling down	
	notes about the seats, gardens, rides, food, and every other detail he	
	considered important. In 1955, it became clear why X had been making	
49.	notes so carefully. Identify X, and name the location Y. TWO-POINTER "A ruddy and stocky girl pours milk into a bowl from an earthenware pitcher.	/O
49.	She stands at the centre of her own world, magnificently realized as a	49.
	kitchen with pocked, plaster walls and scattered, broken crusts of bread	
	(she is making a bread pudding from the stale crusts). The girl's eyes are	
	gently downcast with an otherworldly and rapturous distraction". Art critic	
1	about a famous painting. Name artist and painting. TWO-POINTER	
50.	(VISUAL) A somewhat conservative artist introduced "a repulsive,	50.
	egomaniacal, un-American, non-taxpaying horror" with a rhyming name into	
	his long-running comic strip in the 1960s, but stoutly denied that she was	
	modelled on a real-life musician/activist with a thing for folk songs. Name a)	
	either the artist or the comic-strip and b) either the character or the	
	real-life inspiration for a point apiece. TWO-POINTER	

VISUALS FOR THIS SECTION 29.



43.

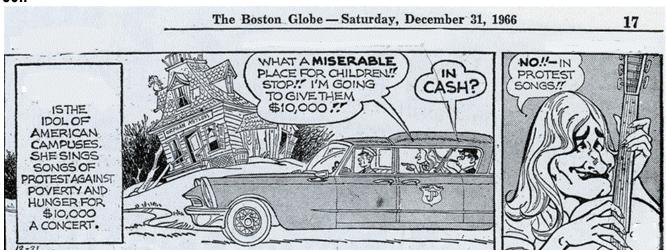


44. 45.





50..



1.	It has been called the most famous failed experiment in the history of science. The men behind it set out to prove the existence the 'ether'	1.
	medium- and ended up doing the opposite. What experiment?	
2.	In 1964, Nature magazine published an article about the lifestyle and family	2.
	of a certain David Graybeard, a resident of Tanzania. The article radically	
	changed the way humans perceived themselves within the animal kingdom.	
	Who was the author of the article?	
3.	The aluminium layer offers protection from oxygen, flavours and light. The	3.
"	polyethylene layer offers protection from external moisture. The paperboard	.
	offers stability without adding weight. In what would you find these three	
	layers?	
<u>/</u>	5	4
4.	This crop was first domesticated in Paraguay and bears the Latin species	4.
	name hypogaea meaning 'under the ground'. The aspect identified in this	
	name is an example of <i>geocarpy</i> , or reproducing into the soil. One end of	
	the common English name is a misnomer, while the other end is a fairly	
<u>.</u>	accurate visual analogy. What name are we looking for?	
5.	In the early 20th century, paediatricians Clemens von Pirquet and Béla	5.
	Schick noticed that patients who had received injections of smallpox vaccine	
	usually had more severe reactions to second injections. They coined a word	
	to describe this, combining the Greek words for "other" and "activity." What	
1	word?	
6.	He was renowned in his lifetime for being a botanist, and headed the botany	6.
	section of the British Museum from its inception till his death. But we	
	remember him for an 1827 observation he made while peering at pollen	
	grains. Who?	
7.	Espuma is the Spanish term for a technique which involves the use of fruit	7.
	juices or vegetable purees, soup and stock bases, agents such as lecithin,	
	additives such as Quillaiaan extract from the soapbark tree, or the	
	glycyrrhizins from liquorice, and nitrous oxide cartridges. What is Espuma?	
R	It founded the first branch of the U.S. patent agency in 1850, and initially,	8.
0.	mostly covered developments at the US Patent office. It is also the oldest	0.
	continuously published magazine in the country. Name this publication , in	
	which over 140 Nobel laureates have been published.	
ļ		
 9.	When he sent a paper that directly challenged Alexis Carrel's notion of cell	9.
	immortality to the Journal of Experimental Research, their response was	
	scathing. "The largest fact to have come from tissue culture research in the	
	last fifty years is that cells inherently capable of multiplying will do so	
	indefinitely". He took the article to another journal where it was published in	
	1961. Either name this scientist or the concept.	
10.	While Lewis and Clark were exploring Nebraska, they came across an area	10.
	that looked like a manicured bowling green, and eventually found that an	
	animal species was responsible for the modification. They called these	
	animals 'barking squirrels', while French explorers described them as 'petit	
	chien', or small dogs. Their biological name Cynomys translates to 'dog	
L	mouse'. By what name is the species commonly known?	
	· · · · · · · · · · · · · · · · · · ·	

11.	In the early 1880s, the botanist AB Frank was asked to find a way of	11.
	profitably extracting the Tuber melanosporum species by the Prussian	
	authorities. HIs research led him in another direction, and he ended up	
	discovering mycorrhizasymbiotic interactions between fungi and the roots	
	of a plant. What was the job originally given to AB Frank?	
12.	His contributions to Germany were not enough to protect him when the	12.
	Nazis took over, He was forced to flee in 1933 on account of his Jewish	
	origins, and died in Basel of a heart attack in 1934. In 1952, a plaque was	
	put up in his memory at the Max Planck Institut, Dahlem, which commended	
	him for 'finding a way of obtaining bread from air'. Who are we talking	
	about?	
13.	What was the rather appropriate name of NASA's spacecraft that orbited	13.
	Mercury between 2011 and 2015?	
14.	The mathematician Maria Reiche fled German in the 1930s owing to the	14.
	political situation and made her home in Peru. Something outside her	
	discipline caught her attention, and she wrote a book about it titled The	
	Mystery on the Desert in 1949. Identify this passion, often protective, that	
	led to her being nicknamed 'The Lady of the Lines'.	
15.	Kenneth Norris found that dolphins produce burst pulses in addition to	15.
	echolocation clicks. He theorised that these pulses of sound which could go	
	up to 228 decibels were both ways of stunning prey and, in milder forms, a	
	courtship mechanism. This theory was immediately given a jocular name,	
	borrowed from another discipline in the sciences. What was this two-word	
	nickname?	
16.	Jerome Murray invented the airplane boarding ramp after watching people	16.
	struggle through rain at Miami International Airport in 1951. Of his many	
	inventions, he considered the medical pump to be most significant, and	
	donated it to Johns Hopkins University. This pump works by a wave-like	
	motion of contractions and expansions, and is thus called the	
	pump after the bodily process it is modelled on. What bodily	
	process?	
17.	He discovered microbursts—localised columns of sinking air that affect a	17.
	region of about 2.5 km, often posing serious threats to aviationwhile	
	researching the causes of the Eastern Airlines crash in 1975. Identify this	
	pioneer, known through his career as the 'Tornado Man'.	
18.	The Quadratids, the Lyrids, the Eta Aquarids, the Delta Aquarids, the	18.
	Draconids, the Northern Taurids, the Southern Taurids, the Orionids, the	
	Geminids and the Ursids are a regular sequence with two missing elements.	
	Either identify the sequence, or name both missing elements.	
19.	Between 1955 and 1974, Mexican peasants working at subsistence wages	19.
	harvested 9.5 million tons of fresh Barbasco or Dioscorea composita, a	
	species that had once been seen as a pesky weed. This gold rush on the	
	species is a not-so-well-known part of the story in the mythology of 20th	
L	century science. What caused the demand?	
20.	Darwin felt that this distinctive feature was a secondary sexual	20.
	characteristic, but recent research by Martin Nweeia suggests that it is a	
	massive sensory organ, with a permeable outer membrane that channels	
	seawater to a core rich with nerve-endings. This allows it to measure the	
	salt concentration of water, and thus figure if the icebergs nearby are	
	melting or forming. Which species are we talking about?	
	5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	

24	The historian Thomas Trautmann's latest head is an a subject that has	24
21.	The historian Thomas Trautmann's latest book is on a subject that has	21.
	evoked much poetry in South/South East Asia. Sufis compare the soul of	
	the mystic with anin bondage in a distant, foreign land. When he	
	dreams of his homeland, nothing can stop him - he breaks his chains and	
	runs towards Hindustan. According to a Cambodian Sanskrit inscription, a	
	man leaving for the forest after surrendering all his wealth is an	
	freed of its chains. What is Trautmann's book about?	
22.	The names of Cuvier, Laplace, Lavoisier, Ampere and some 68 others have	22
	been visible since 1986, and were returned to gold lettering, as per original	22.
l- <u></u>	plan, in 2011. What are we talking about?	
23.	A 2008 paper titled Astrophysical implications of hypothetical stable TeV-	23.
	scale black holes by Giddings and Mangano has been carefully studied,	
	reviewed and finally endorsed by investigators from several countries,	
	including Japan, Russia and the United States. These investigators have	
	come from fields as diverse as astrophysics, cosmology, general relativity,	
	mathematics, particle physics and risk analysis, and include several Nobel	
	Laureates in Physics. What have Giddings, Mangano and all these other	
	people established?	
24.		24
24.	Willem ten Rhijne was a botanist in the employ of the Dutch East India	24.
	Company. While working at their trading post in Dejima, Japan, he noticed a	
	certain practice and made copious notes. In 1683, he wrote a volume titled	
	Dissertatio de Arthritide, where he coined the term now used for a system	
1	that is also called Meridian Therapy. What term did ten Rhijne coin?	
25.	South African researchers Hillel Abbe Shapiro and Harry Zwarenstein	25.
	turned a discovery by Lancelot Hogben about the amphibian species	
	Xenopus laevis into a medical procedure that was up to 98% accurate. A	
	doctor wrote a letter to them that concluded "You may be interested to know	
	that of one GP of many years' standing, one specialist and one <i>Xenopus</i> ,	
	only the last-named was correct.' What did Shapiro and Zwarenstein	
	devise thus in the 1940s?	
		00
26.	The drug Metrazol was found to produce convulsions similar to epilepsy, but	26.
	sometimes this resulted in subjects breaking their spines. Ugo Cerletti	
	wanted to be able to produce such convulsions in a more controlled	
	manner, and this eventually led him away from drugs to what controversial	
1	procedure?	
27.	Goldsmiths were perhaps the first professionals to diversify into this line.	27.
	The hippopotamus, the elephant and the walrus have served as sources of	
	raw material for this product. Large social gatherings such as the Battle of	
	Waterloo were another source. The first man-made substance to serve this	
	need was vulcanite, developed by the Goodyear family. Modern versions of	
	this product are usually made from Polymethylmethacrylate Acrylic or	
	PMMA. What product is this?	
28.	, 1	28.
	as the disposable syringe and the child-proof bottle-cap. His best-known	
	invention however came as a response to the problem of studying the	
	Himalayan Tahr in his native New Zealand. He devised a compressed-gas	
	mechanism which allowed researchers to track the animal down without	
	killing it, and started the firm Paxarms to market the product. What did	
	Murdoch create?	
	maraoon ordate:	

29.	Introduced in 1947, this code governs experimentation using human subjects, and introduced the notion of informed consent. Which city lends	29.
	its name to this protocol for trial if not error	
30.	Since 2008, the WHO has put its weight behind a six-prong strategy titled MPOWER, which stands for Monitor, Protect, Offer help, Warn about,	30.
	Enforce bans and Raise taxes. Which 'worldwide epidemic' are they	
31.	targeting thus? This tree species is found across the Middle East and parts of Africa, and	31.
	thus plays a small part in a Biblical story of a man who wanted to catch a	
	glimpse of Christ passing by. The name comes from the Greek words for fig and mulberry, possibly because its fruits resemble figs while its leaves look	
	like they came from the mulberry. What tree species, all of eight letters?	
32.	Once widespread in Southeast Asia, this mammal is reduced to two subspeciesannamiticus rumoured to be in small pockets of the Dong Nai	32.
	region in Vietnam, and the sondaicus, one group of which is known to	
	inhabit the Ujung Kulon national park in Indonesia. Which critically endangered mammal that can weigh up to 2300 kilos?	
33.	This American rodent has coarse, glossy fur that ranges from pale orange	33.
	through shades of brown to blackish. The individual hairs alternate between black and buff bands, leading to this rodent's common name being used as	
	a way of describing similar colouration in horses, rabbits, cats and dogs.	
34.	Give us a six-letter answer. Tight oil is crude oil found in low permeability conditions. The common	34
"	name for this substance came from the circumstance in which it usually	
	found, but caused much confusion since a similar name was used for kerogen-bearing rock. The International Energy Agency has recommended	
	the use of the alternative term tight oil to prevent confusion. What is the	
35.	common name for tight oil? Saturn's moon Titan has a number of geographical features which are often	35.
	given connected names: craters, for example, are named after deities of	
	wisdom. The fretums (straits of liquid) of Titan are named Bayta, Hardin and Seldon. What are they named after?	
36.	A recent study says that this feature, whose purpose has long baffled	36.
	palaeontologists, is proof that a certain animal was sexually dimorphic. They are of two types- broad, oval ones and tall, narrow ones about a third	
27	smaller than the oval ones. Which creature are we talking about?	27
37.	First Time is an upcoming Russian movie set and is about an event whose 50th anniversary was celebrated this year. The event itself lasted around 12	37.
	minutes, hinged around a 16 ft cable- and nearly ended in disaster. Who is	
38.	the central character in the story? He was comfortable enough in his own greatness to suggest that his	38.
	epitaph be "Princeps Botaniorum" - the Prince of Botanists. In 1735, he	
	published the first edition of his magnum opus. Initially only 14 pages long, it had over 12,000 entries by the 12th edition. Name him, or the work.	
39.	X, a term used to describe one of a number of alternative forms of a gene, is	
	a shortening of which word meaning 'other form', used in the early days of genetics to describe variant forms?	

40. This work, which landed the author in a spot of bother, was presented as a **40.** conversation between three people named Salviati (who acted as a spokesperson for the writer). Sagredo (a layman) and Simplicio (who represented the traditional view of the authorities.) **Name the author.** 41. He was King of Argos and one of the key warriors in the conflict with Troy. 41. This mythical character has been worshipped as a god. According to one story, several birds of a particular genus sang a farewell for him on his death. His name is now used in biology for that family of birds whose members include the Shy, the Wandering, the Tristan, the Antipodean and the Amsterdam. Name hero OR bird. **42.** A pocket of magma lies beneath and leaks carbon dioxide, changing water **42.** into carbonic acid. On August 21, 1986, possibly as the result of a landslide, the location suddenly emitted a large cloud of CO2, which suffocated 1,700 people. Identify the location OR the country where this tragedy occurred. 43. (VISUAL) The Caduceus, a staff carried by Hermes, is a recognized symbol 43. of commerce and negotiation due to its associations with the God. It is often used incorrectly as the symbol of another profession, especially - some would say appropriately – in the United States, due to some similarities with the staff carried by another Greek God. One survey in the US found that 62% of professional associations used the correct symbol, while 76% of commercial organizations used Caduceus - it was suggested that the professional organizations probably had a better understanding of the symbols, whereas the commercial ones were just looking for visual impact. What is the other symbol (no points for the other profession)? 44. Labradorite, a feldspar mineral, displays an iridescent optical effect known 44. as Labradorization, which was named thus and defined by O.B. Boggild as 'the peculiar reflection of the light from submicroscopical planes orientated in one direction (rarely in two directions)'. Inuits believed that the mineral due to this optical effect - had captured something. What did they believe had been captured within Labradorite? **45.** Christiaan Erijkman's claim to fame rest on his late 19th-century **45.** experiments. These involved feeding unpolished rice to chickens suffering from a disease whose name came from an emphatic Sinhalese term for "weakness". What discovery did these findings directly lead to? **46.** This location was considered ideal because it lacked tectonic activity and **46.** had permafrost. It being 130 metres above sea level is an advantage even if the ice caps melt. Locally-sourced coal provides power for refrigeration, ensuring that the internationally recommended standard of -18 °C is maintained. Even if the equipment fails, it will take several weeks before the facility rises to the surrounding sandstone bedrock's temperature of -3 °C. Which location? Ideal for what? TWO-POINTER 47. This award was initiated in 1875 by the Royal Academy of Arts and 47. Sciences in a European country as a way of marking the bicentenary of an important invention/discovery. The first award was made in 1877, and is by

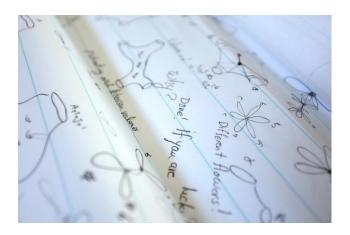
48. In November 1837, he presented his initial observations on a pet subject at **48.** the Royal Geological Society. In 1881, a year before his death, he completed these researches and published his findings under the title The Formation of Vegetable Mould. The book sold thousands of copies in the first few weeks, and its subject inspired a rude cartoon in Punch Magazine. Who? What was this subject? TWO-POINTER **49.** "We aren't the ____ of New Guinea,/we don't indulge in ritual **49.** cannibalism,/we don't harbour the slow virus that/causes degeneration". What disease does this poem by Miroslav Holub refer to? Also fill the **blank** in the first line. TWO-POINTER **50.** (VISUAL) This diagram was unearthed by journalists trying to deal with the **50.** great curiosity that greeted somebody who breached an exclusively male

VISUALS

43.



50.



preserve in 2014. Who? What achievement? TWO-POINTER