

MindSweep 2024 ANSWERS

Part II – Music, Sciences, Social Sciences, Sports and Games

Rules for the proctor

- Do not open till the end of the 60min
- Make sure all sheets have been collected, and redistributed for corrections
 - Small spelling variations are okay, use your judgement
- For all answers which are names of people, unless mentioned otherwise, just surname is acceptable. However, if surname is correct and first name(s) are given wrongly, it is to be considered incorrect
 - No half points for any question, no negative marking
 - For any further clarifications, please email expectovenkat@gmail.com or call Venkat on +91 8050588973

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1	In Tuareg music, the assqalabo often mimics camel hooves and is played half submerged in water. The name comes from a natural source with an eight-letter form In English. What 8-letter word are we looking for?	Calabash
2	Annie Lennox performed a tribute at the Grammys this year to which recently deceased singer, with a tear painted to her cheek?	Sinead O'Connor
3	Which musical genre originally associated with Panama and Puerto Rico has a name created by borrowing the name of another genre from the vicinity and adding a suffix to make it sound bigger?	Reggaeton
4	A state in Brazil lends its name to the hardwood that was used for making bows for violins. Give us this 10-letter name.	Pernambuco
5	Which winner from earlier this year begins with the protagonist realising that they are not real despite appearances and only a purchased object??	What Was I Made for, from Barbie, Won the Oscar for best original song.
6	Angelo Lavagnino wrote the Symphony in 1949, lasting only nine-minutes over two movements for string orchestra. The term is currently used for any short piece that seems like a complete symphony. English journalist Derek Taylor, popularized this term for a different genre when he used it to describe the Beach Boys' 1966 single Good Vibrations. Fill the blank with a 6-letter word.	Pocket (Symphony)
7	"One day we took acid and put on Miles Davis 'Sketches of Spain' album, loved it, and listened to it for hours. As a result, the Spanish influence permeates the arrangement with great effect". Which well-known song was thus created in the psychedelic sixties?	White Rabbit
8	Summer of Soul is a 2021 documentary concert film based on long-buried footage of the 1969 Harlem cultural festival, probably the pop era's greatest gathering of Black talent including Nina Simone, Sly and the Family Stone, Mavis Staples and Mahalia Jackson. What name was given to the second half of the documentary based on a famous song by Gil Scott Heron?	When the Revolution could not be televised (based on the song The Revolution will not be televised)
9	This song released in 1956 is Elvis Presley's best-selling song, but was originally written for and sung by Big Mama Thornton in 1952, which became her only hit record, selling more than 500,000 copies. What is the two-word song title?	Hound Dog
10	Hasrat Mohani was an Indian activist and freedom fighter who coined the notable slogan, Inquilab Zindabad. He also wrote a famous ghazal that was picturised in a Bollywood movie released in 1982. Name the ghazal.	Chupke Chupke Raat Din (Film: Nikaah, Singer: Ghulam Ali)
11	American author Joe Hill's debut horror novel had four sections that had titles taken from famous rock songs - "Black Dog" by Led Zeppelin, "Ride On" by AC/DC, "Hurt" by Nine Inch Nails, and "Alive" by Pearl Jam. Which Nirvana song did he use for the title of the novel?	Heart-Shaped Box
12	An ancient instrument mainly used in devotional and folk songs, it consists of two flat wooden blocks, and may have small metal discs attached. Sage Narada is often depicted with a veena in one hand and this instrument in the other. Name the instrument.	Kartal/Khartal
13	The song speaks about a fictional band of whom the song's narrator is a fan. In a 2014 Rolling Stone interview, songwriter Bernard Taupin said that he saw the band in the song as a sort of proto-sci-fi punk band, fronted by an androgynous woman, who looks like something out of a Helmut Newton photograph. Which song/ fictional band?	Bennie and the Jets

14	Both Bryce Vine and SZA have songs named after a certain child actor turned Hollywood star turned eponymous talk show host. Vine chose her as the ideal metaphor after seeing her in The Wedding Singer while SZA really connected to her portrayal of Josie Grossie. Name the actor.	Drew Barrymore
15	Dogstar is an American alternative rock band formed in Los Angeles in 1991. They reunited in 2022 after a twenty-year break and released their third album in 2023. The band's success over the years has been overshadowed by the fact that their bassist is a famous Hollywood actor who started his career in Canadian television. Name the actor.	Keanu Reeves
16	In 2023 the US rock band Fall Out Boy released an update of Billy Joel's 'We didn't start the fire' (1989). The update only repeats two references from the original- both are countries, one has a different superpower meddling, the other is still at the crossroads of conflict. Name both countries .	Afghanistan & Lebanon
17	"Shrini's Dream" is the first track on "This moment", the Grammy winning album by Shakti. Who is that track dedicated to ? Shrini is not an acceptable answer- need one of three answers.	U Srinivas/ Uppalapu Srinivas/ Mandolin Srinivas
18	Which Hindustani musician (1872-1931) set to music and first sang and recorded the bhajan "Raghupati Raghava Rajaram"?	V.D. Paluskar/ Vishnu Digambar Paluskar
19	Name the headliner of Glastonbury 2024, whose song 'Cold Heart' with the 2023 headliner Elton John, was the lead single of John's album 'The lockdown sessions'.	Dua Lipa
20	The 2024 Eurovision host won the contest in 2023 for a record-tying seventh time. Which song got them their first Eurovision victory, 50 years ago?	Waterloo (by ABBA)
21	Nobody was surprised when this Swiss rapper and singer won the Eurovision Song Contest 2024. Their first EP was released in 2015 and was appropriately titled <i>Clownfisch</i> . What mononym do they go by?	Nemo (Accept Nemo Mettler)
22	Recantation, Trial, Dialogue Concerning the Two Chief Systems of the World, and Incline Plane are four of the ten scenes in which opera that premiered in 2002?	Galileo Galilei by Philip Glass
23	Sanjay Leela Bhansali's <i>Heeramandi</i> features the bandish <i>Sakal Ban</i> written by Amir Khusro and is performed on the Basant Panchami. In which Spring raag is the bandish set to?	Bahar / Bahaar
24	Which Canadian singer while promoting her greatest hits album on a podcast show in May 2024 took the opportunity to tell her fans that she is alive and herself? And that she was most definitely not replaced by a body double named Melissa Vandella after dying more than 20 years ago.	Avril Lavigne
25	Which raga is traditionally learned by listening and self-study, as it is believed that direct teaching of it can harm the relationship between teacher and student, so many old-school teachers avoid teaching it directly? One of Thyagaraja's Pancharatna Kritis is in this raga.	Varali

1	The companion isle in an island republic takes its name from the plump cigars that Taino tribesmen once smoked and is also home to the Main Ridge Forest, the oldest protected area set aside by an act of parliament (in 1776). What 6-letter name are we looking for?	Tobago
2	The word animalcule came into the English language when Henry Oldenburg, editor of the Royal Society's Philosophical Transactions decided to translate the letters sent to him by a European correspondent on account of their scientific value. He coined this word in order to translate the term dierkens which meant tiny animals. Who was he translating?	Anthony van Leeuwenhoek
3	The term Brot aus luft, or Bread out of air, was often applied to his most well-known effort. His scientific reputation suffered quite a bit after his excessive nationalism led him to propose the use of chlorine. His son Ludwig wrote The Poisonous Cloud, a history of such decisions. Einstein described his story as 'the tragedy of the German Jewa tragedy of unrequited love'. Who?	Fritz Haber
4	In 1824, while writing a paper about standardising indigo solutions, he coined two 7-letter words that every high school student might encounter in a chemistry lab. Either name this person or give us one of his two coinages.	Gay Lussac OR Pipette Or Burette
5	His last book, The Formation of Vegetable Mould, was published in 1881, a year before his death. He returns to what had been a lifelong fascination arising from his fondness for geology, and perhaps also his own sense of approaching death, and the feeling that he would soon be joining the subject of his research. Either name this writer, or the subject of this last book.	Charles Darwin , OR Earthworms
6	nVidia's new Graphics Processing Unit (GPU) to be released in late 2024, is named after a famous statistician who was the first African American to be inducted in the National Academy of Sciences and was part of the Raotheorem. Name the GPU/statistician.	(David) Blackwell
7	When he was working at the Yerkes Observatory in 1940s, he would drive a long distance every weekend to teach a course at the University of Chicago. Two of the students who took the course, Tsung-Dao Lee and Chen-Ning Yang , won the Nobel prize before he could get one for himself. Name the professor.	Subrahmanyan Chandrasekhar
8	The two-word term is a hypothetical global catastrophic scenario involving molecular nanotechnology in which out-of-control self-replicating machines consume all biomass on Earth while building many more of themselves. The term was coined by nanotechnology pioneer K. Eric Drexler in his 1986 book Engines of Creation. Give the alliterative term.	Gray Goo/Grey Goo
9	80 small notebooks consisting of ink and pencil drawings by this Spanish scientist are considered among the world's greatest scientific illustrations. Together they describe a fantastic netherworld of floating forms, linear networks, bristling nodes and torrential energies. Though he won the 1906 Nobel Prize for a doctrine he posited, his co-winner Camillo Golgi was unconvinced. Name the scientist.	Ramon y Cajal (famous for his paintings of neurons)
10	"Theequation continues to be a key tool to investigate the behavior of black hole horizons" in modern physics. The equation was used to derive Hawking's area theorem, and the Hawking-Penrose singularity theorems and extensively mentioned in their papers. Fill in the blank with the surname of a theoretical physicist from Presidency College, Calcutta.	Amal Kumar Raychaudhuri (Raychaudhuri/Roychou dhuri Equation)

11	Pliny the Elder, in his Natural History, wrote that topical application cured bites from humans, scorpions, and serpents, and that it worked best when taken from the wounded person themselves. The 1832 edition of the American Frugal Housewife recommended it as a remedy for cracked lips. What is it?	Earwax
12	In 2002, Karl Glazebrook and Ivan Baldry determined that the average colour of the universe was a greenish white. They corrected their analysis in a 2003 paper in which they reported that their survey of the light from over 200,000 galaxies averaged to a slightly beigeish white. What caffeine-based name did the researchers settle on for this colour?	Cosmic Latte
13	A heart-shaped feature on the surface of Pluto is believed to be the result of a planetary body about 700 kilometres in diameter colliding with the dwarf planet, early in its history. This feature is named Regio in honour of which astronomer?	Clyde Tombaugh
14	As a schoolboy, this 1791 born polymath visited John Joseph Merlin's Mechanical Museum, where he was entranced by a pair of female automata, one 'an admirable danseuse' who 'attitudinised in a most fascinating manner'. At the 1834 sale of Merlin's collection 30 years after the inventor's death, he bought the fascinating danseuse for £34. Who?	Charles Babbage
15	The popular name of the matrilineal most recent common ancestor that is partly based on a cellular 'powerhouse' has led to repeated misrepresentations or misconceptions on the topic. Popular science presentations usually point out such possible misconceptions by emphasising the fact that this position is neither fixed in time, nor does it refer to a "first woman", nor the only living female of her time, nor the first member of a "new species". Give the popular name.	Mitochondrial Eve
16	As the predominant photographic print method in the 1850s-1890s, the print process saw the rise of industrial photographic houses. Because of the material used in the primary step, the earliest such operations often had <i>many chickens on site</i> . Fill in the blank with a 7-letter word , spelling matters.	ALBUMEN. *Do not accept ALBUMIN with an 'i' in the sixth place
17	Wladimir Köppen, the developer of the climate classification system, also co- authored the first in 1890, 114 years before David Mitchell. Fill in the blanks.	Cloud Atlas
18	In a 1684 paper, Isaac Newton coined the term "centripetal force". In a 1659 tract, which Dutch scientist coined the term "centrifugal force"?	Christiaan Huygens
19	One of the very first known double-blind trials was devised by a 1784 commission in Paris, headed by Benjamin Franklin, the then US ambassador to France. Which eponymous pseudo-science therapy , touted by a <i>captivating</i> German physician, was the commission investigating?	Mesmerism
20	After their successful use in a nationwide exercise in the US in 1890, Herman Hollerith's tabulating machines were used for a similar purpose in several European countries and even in the Philippines. What exercise was this?	Census
21	Which moon of Saturn has a diameter of 1,066 km, and a density of about 1.0 grams per cubic cm—the same as that of water—indicating that it is composed essentially of pure water ice? It is aptly named after the Titan associated with the sources of fresh water such as springs, rivers, and lakes.	Tethys
22	During his time as a student at Town High School in 1903, which future Fellow of the Royal Society came across George Shoobridge Carr's 1866 publication <i>A Synopsis of Elementary Results in Pure and Applied Mathematics</i> , profoundly impacting his life?	Srinivasa Ramanujan

23	Which sequence , a generalisation of the Fibonacci sequence, starts with three initial terms instead of two, and each subsequent term is the sum of the preceding three terms? Here are the first few numbers in the sequence 0, 0, 1, 1, 2, 4	Tribonacci numbers/sequence
24	Which UNESCO Natural World Heritage Site in Italy was described as "the most beautiful architectural work in the world" by the architect Le Corbusier?	The Dolomites
25	So on the shoreless air the intrepid Gaul; Launch'd the vast concave of his buoyant ball; Journeying on high, the silken castle glides; Bright as a meteor through the azure tides; These lines by Erasmus Darwin talk about which 1783 public demonstration?	Flight of the Montgolfier bros' hot air balloon
	Need the inventors and invention.	

1	Japan kept abreast of advancements in Western culture through limited contact in the enclave of Dejima after the Tokugawa shogunate ordered a policy of isolation. Such knowledge was termed Rangaku , drawn from the European country which had a presence in Dejima. Name this country whose name also survives in the Kerala locality known as Lanthan Battheri.	Holland
2	They have zigged and zagged through several currency changes since 2006, Which country launched yet another currency unit known as the ZiG earlier this year?	Zimbabwe
3	Leon Festinger's work on belief perseverancehow evidence to the contrary actually strengthens faitheventually led to a larger theory of cognitive dissonance. What peculiarly American phenomenon did he studya generic description will do?	Apocalypse/Doomsday cults
4	The idea that regime changes or revolutions occur not due to a change of rulers but owing to a change in the elite group dominating that society is attributed to an Italian thinker more well-known for an idea about the relations between 1/5th of a groups and the rest. Who?	Vilfredo Pareto
5	Among the Ojibwe, this term was originally applied to a bear, a crane, a duck, a moose-tail and a bullhead. This term is now used in the social sciences for anything that has an emblematic association for community. What five-letter word?	Totem
6	Which Latin phrase comprising of two words that means 'love of one's fate' is closely associated with the writings of Nietzsche, though the central theme has been visited by other authors and philosophers?	Amor Fati
7	Flowing through the southeastern region of Liberia , the river Cavalla serves as a natural border between Liberia and Cote d'Ivoire. From which kind of fish that appears at the mouth of the river does it get its name?	Mackerel
8	The cave was brought to the attention of the English-speaking world by 18th-century naturalist Sir Joseph Banks in 1772 and named after a hero of an epic poem. The location became famous as a tourist destination following composer Mendelssohn 's overture carrying the cave's name. The location has also been covered by Jules Verne and J M W Turner in their works. Name the cave.	Fingal's Cave (located in the Inner Hebrides of Scotland)
9	In 1975 , a coterie of Army officers planned a coup to topple Sheikh Mujib's elected government and replace it with a military government, in which Sheikh Mujib and many of his family members and staff were finally assassinated. Which day (Month and day) did the Army officers choose to carry out the coup, supposedly for its importance to another country?	August 15
10	'The Way to Paradise' is a novel by Mario Vargas Llosa, which is a double biography of Flora Tristan, who was a French-Peruvian to work on early feminist theory and women's rights, and her grandson. Who was the famous grandson?	Paul Gauguin
11	Jericho was recognized as the oldest continuously occupied settlement in history because of the discoveries of which famous archaeologist?	Kathleen Kenyon
12	Named after a Greek Christian Saint, the two islands are only 3.8 km apart. Traditionally, the indigenous people who lived in the area had frequently crossed the border back and forth for routine visits, seasonal festivals and subsistence trade, but were prevented from doing so during the Cold War. Name the islands.	Diomede Islands / Big and Little Diomede
13	Zainichi are ethnic Koreans who have permanent residency status in Japan or who have become Japanese citizens, and whose immigration to Japan originated before, or who are descendants of those immigrants. FITB with a year.	1945

14	In a 1954 essay in Harper's Magazine, Sylvia Wright described how, as a young girl, she misheard the last line of the first stanza from the seventeenth-century ballad "The Bonnie Earl o' Moray" — "They hae slain the Earl o' Moray / And laid him on the green"— and how that led to the creation of a certain term. Which term?	Mondegreen
15	In 1932, he was selected by several philanthropies to be the managing editor for a proposed <i>Encyclopedia of the Negro</i> . In 1938, it was cancelled because some board members believed that he was too biased to produce an objective work. After the president of Ghana accepted his proposal to create the <i>Encyclopedia Africana</i> about the African diaspora, he moved to Ghana in 1961, but died in 1963 at the age of 93 without completing it. Who?	W. E. B. Du Bois
16	Along with English and Bengali, the Tibeto-Burmese language Kokborok is the official language of which Indian State , which is surrounded by Bangladesh on <i>three</i> sides?	Tripura
17	The name of this place near Calcutta may have originated from a type of military accommodation. After the battle of Plassey, where was the first Cantonment in India established in 1765?	Barrackpore
18	Another company from this country, also known for its cardboard boxes, set up shop in India in 2018. Name the country of origin of the company that set up Western India Match Co. Ltd. in 1923.	Sweden
19	A Gurka regiment, sent in 1962 to help the ruler of this Asian country, is the UK's largest military presence in the region. Which country, whose monarch is the world's longest ruling leader (on the throne since 1967)?	Brunei
20	The Central Bank of which country , in 1946 issued for circulation, the largest denomination banknote ever, for the amount of 100 quintillion pengő? Later in 1946 the country replaced the pengő with the current currency, whose name derives from a Tuscan city.	Hungary
21	In 2016, a paper titled : Surname-Sharing Economist Co-authors was published by a team of four unrelated economists, all sharing the same last name. The title is a play on the title of a 1989 play/ 1992 movie written by Aaron Sorkin. FITB with the paper's title.	A Few Goodmen (by Allen, Joshua, Lucas, and Sarena Goodman)
22	Nezalezhnosti or the Independence Square is the central square of Kyiv, named days after the Declaration of Independence of Ukraine. What is the blanked-out Ukrainian word having widely used equivalents in the Middle East and South Asia, all referring to an open space, used as a parade ground or for public events?	Maidan (Accept similarly spelt and similar sounding variants)
23	Among the 45 men who have served in 46 presidencies who is the only POTUS to have served as a union leader before his stint as president?	Ronald Reagan
24	Românul de la Pind (1903-1912) was a nationalist newspaper "for the Romanians south of the Danube", notably the Aromanians with a strong anti-Greek stance. What was the Latin motto of the newspaper before it was changed to a Romanian one? The English equivalent will do.	Timeo Danaos et dona ferentes / Beware of Greeks bearing gifts
25	Sociologist Ann Oakley highlights the significance of and the gendered dynamics surrounding it in many of her books. She says that it (blank) "is work directly opposed to the possibility of human self-actualization". FITB.	Housework

1	Bon Om Touk is a festival of boat races held in Cambodia in October or November, after the monsoons. The festival is usually held to coincide with an annual reversal. What reversal is this?	Tonle Sap changes direction.
2	These objects, associated with the amateur version of the sport, are usually red or blue in colour with a white strip at the termination to aid judges in scoring correctly. What objects are we talking about?	Boxing gloves
3	He competed at the Barcelona Olympics and finished fifth with 5.65 m, way behind the eventual winner Maisie Tarasov. Name this pioneer of an infamous status quoits technique	Dave Volz , of Volzing fame.
4	Its use creates a kind of trampolining effect and was discovered by accident when somebody experimented with a bicycle repair kit. Since 2012, its use has been banned in Table Tennis at the Olympics. What are we talking about?	Speed Glue
5	You had to literally shoot from the hip to play an ancient game called Poktapok in some parts, and Ollamaliztli in other places It may have mimicked the sun's progress across the sky, or had other symbolic significance. The games seem to have originated in areas where a substance sourced from nature was in abundance. Either name this naturally occurring substance, or give us the unwieldy modern name for the sport.	Rubber OR MesoAmerican Ballgame/Mayan Pelota.
6	The first ball Sunil Gavaskar faced in Tests was a bouncer. Who was the bowler?	Vanburn Holder
7	"I was pretty good at playing football or soccer. But my career is long over. I was a goalkeeper and I had to give up because I had a collision in a big public game at the Cannes film festival in the stadium with actor Maximilian Schell and he dislocated my elbow". Which famed film director answering a question by Wim Wenders on sporting activities?	Werner Herzog
8	Nour El Sherbini and Ali Farag of Egypt are the current No. 1 ranked players in the women's and men's categories in which sport?	Squash
9	Around which sport is the Foo Fighter's music video of Love Dies Young shot?	Synchronized Swimming
10	On Dec. 21, 2023, Willis Gibson , 13, put his hands to his head and rocked back and forth in an office chair in his bedroom in Stillwater, Oklahoma., unable to believe what he had just accomplished. His screen had frozen, and his score read "999999." Which well-known game did he 'defeat' for the first time in its history of about 40 years?	Tetris
11	Which 2023 film is based on a long-distance swimmer who tries to complete a 110-mile nonstop swim from Cuba to Florida, which she had unsuccessfully attempted thirty years prior?	Nyad
12	King James II wanted men to spend more time practicing archery in case of a military invasion and used a 1457 Act of Parliament to ban which sport in Scotland?	Golf
13	The ball is made of a very hard rubber wrapped in pandanus. The sennit-wrapped wooden bat is modelled on the three-sided Samoan war club called the "lapalapa" and can be over a metre long. The rules of the sport are extremely flexible. Name this national sport of Samoa.	Kilikiti / Kirikiti / Samoan cricket

14	The Leander Club, one of the oldest of its kind, has actor Hugh Laurie as one of its members. What is the relevant sport?	Rowing
15	Lasagnegate was the informal name given to the events of 6-7 May 2006, when ten members of a certain football team were struck down with illness on the eve of the final league game of the season. The game was going to determine if they would secure a place in the 2006-07 UEFA Champions League, a feat they had not replicated since 1961-62. Which team?	Tottenham Hotspur
16	Which event of the 2024 Olympics will take place in Teahupo'o, located on the island of Tahiti?	Surfing
17	Abhinav Bindra says he owns only one gun now- made of gold, which makes him "The man with the golden gun". Which company gifted it to him? (One word answer)	Walther
18	Name the only player who beat D. Gukesh in the 2024 Chess Candidates Tournament.	Alireza Firouzja
19	The only female in golf history to break 60 in an official competition, which player tops the LPGA all-time prize money list?	Annika Sorenstam
20	Besides Smriti Mandhana, which wicketkeeper and WPL teammate of Mandhana, is the only other Indian player to be picked in The Hundred 2024 draft?	Richa Ghosh
21	What 9-letter portmanteau term has the media coined for the two batters who have opened the most matches for Sunrisers Hyderabad during the 2024 IPL season?	Travishek (Travis Head and Abhishek Sharma)
22	Whose 2023 book opens with the line: "It probably won't surprise many people that I am starting my book with a swear word but all I can say is, thank fok that season is over!"?	Guenther Steiner
23	"Originating from Norse mythology, are a host of warrior women who are fearless and unwavering" is from the press release of which new WNBA team set to play from 2025? The San Francisco based team is the first expansion franchise in the WNBA since 2008.	Golden State Valkyries
24	Who is the only person from a country in the Southern Hemisphere to have won more than 10 medals in total at the Summer Olympics Games?	Emma McKeon (11 medals - 5G, 2S, 4B)
25	Nilima Ghose, Mary D'Souza Sequeira, Dolly Nazir, and who else made up the four women in India's contingent of 64 sportspeople at the 1952 Olympic Games at Helsinki?	Arati Saha