

ANSWERS:

1	A
2	B
3	B
4	B
5	D
6	B
7	D
8	B
9	C
10	C
11	A
12	D
13	A
14	A
15	B
16	C
17	C
18	B
19	B
20	A
21	C
22	C
23	D
24	A
25	D
26	B
27	A
28	A
29	A
30	B

31	C
32	C
33	B
34	A
35	C
36	A
37	A
38	D
39	D
40	D
41	B
42	A
43	C
44	C
45	A
46	C
47	C
48	C
49	D
50	D
51	D
52	D
53	D
54	C
55	B
56	B
57	C
58	A
59	C
60	D

61	D
62	A
63	D
64	A
65	C
66	D
67	C
68	B
69	C
70	B
71	C
72	D
73	C
74	B
75	D
76	C
77	B
78	A
79	A
80	A
81	B
82	D
83	A
84	C
85	D
86	B
87	C
88	A
89	A
90	B

91	B
92	A
93	D
94	C
95	D
96	C
97	B
98	C
99	C
100	A
101	D
102	B
103	C
104	D
105	A
106	A
107	B
108	B
109	A
110	D
111	D
112	B
113	A
114	A
115	D
116	D
117	D
118	C
119	C
120	C

121	C
122	D
123	C
124	B
125	C
126	D
127	B
128	A
129	D
130	A
131	C
132	C
133	D
134	C
135	A
136	B
137	A
138	B
139	A
140	B
141	D
142	B
143	A
144	A
145	A
146	B
147	B
148	A
149	C
150	A

EXPLANATIONS:

1	<p>Solution</p> <p>B is not neighbour of G, which means final position is as under:</p> <p style="text-align: center;">A C B</p> <hr/> <p>Now let us check the options:</p> <p>(a) C is to the immediate left of A.....ANSWER</p> <p>(b) D is immediate neighbour of B and F.....NO</p> <p>(c) G is to the immediate right of D.....NO</p> <p>(d) A and E are at the extreme ends.....NO</p>
2	<p>Solution:</p> <p>A – Hindi, English</p> <p>B – Hindi, English, Geography, History, French</p> <p>C – English, Geography</p> <p>D – Mathematics, Hindi</p> <p>E – History, French</p>
3	<p>Solution</p> <p>From 1 to 150, there are</p> <p>9 single digit numbers (1 to 9) + 90 two digit numbers (10 to 99) + 51 three digit numbers (100 to 150)</p> <p>Thus total digits to be printed = $(9 \times 1) + (90 \times 2) + (51 \times 3) = 342$.</p>
4	<p>Solution</p> <p>The clock will strike 3 times at 3 o' clock. These five strikes are interspersed with four intervals as under:</p>

	<p>Strike – Strike – Strike – Strike – Strike</p> <p>It is these intervals that take time. When clock strikes 5 times, there are 4 intervals. Total time taken by them is 12 seconds. Thus each interval is of duration 3 seconds.</p> <p>When the clock will strike 8 times at 9 o' clock there shall be 8 such intervals and thus time taken shall be $8 \times 3 = 24$ seconds.</p>
5	<p>Solution</p> <p>The statement simply says that morning walk is good for health. It is not presented as either the necessary or the sufficient condition for good health.</p> <p>Hence, conclusion 1 is incorrect as all healthy people need not go for morning walk</p> <p>Similarly, conclusion 2 is also incorrect as morning walk is not an essential condition for good health</p>
6	<p>Solution</p> <p>Let us solve this question using elimination. 256 means red colour chalk (thus white is none of 2 or 5 or 6). 589 means 'green colour flower' (thus white is none of 5, 8 or 9). Thus white is none of 2, 5, 6, 8 or 9 and hence we get only one option (b) which can represent white.</p>
7	<p>Solution</p> <p>Here nothing has been said about the relative magnitudes of A and B or whether they are both positive, both</p>

	<p>negative or one positive and one negative. Therefore, let us assume some value for A and B and see whether we can make any progress:</p> <p>Let A = 100 and B = 50. In this case P shall come out to be 72.5 and Q shall be 75. That is P shall be smaller to Q.</p> <p>Now Let A = 100 and B = 99. In this case P shall be 104.35 and Q shall become 99.5. That is P shall be greater to Q.</p> <p>Thus with different values of A and B, we get different results about magnitudes of P and Q. Thus the answer shall be</p> <p>(d) None of the above can be concluded with certainty.</p>																												
8	<p>Solution</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td>A</td> <td>B</td> <td>C</td> <td>D</td> <td>E</td> <td>F</td> </tr> <tr> <td></td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> <td>10</td> </tr> <tr> <td></td> <td>8</td> <td>10</td> <td>15</td> <td>10</td> <td>10</td> <td>7</td> </tr> <tr> <td>Finally</td> <td>8</td> <td>7</td> <td>12</td> <td>15</td> <td>11</td> <td>7</td> </tr> </table> <p>D + E = 15 + 11 = 26 By option, B + C + F = 7 + 12 + 7 = 26</p>		A	B	C	D	E	F		10	10	10	10	10	10		8	10	15	10	10	7	Finally	8	7	12	15	11	7
	A	B	C	D	E	F																							
	10	10	10	10	10	10																							
	8	10	15	10	10	7																							
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	d	e	f																										
C	g	h	i	D																									

	<p>(abcdef), (defghi), (adgbeh), (behcfi) Required number = 14 + 22 = 36</p>
10	<p>Solution</p> <p>Two hours later the freight train from Delhi to Mumbai must have covered a distance of $40 \times 2 = 80$ km. Now in this question, we know that the express train is running faster than the freight train so it will eventually catch up with the freight train. If we assume that after 2 hours the freight train has stopped then basically we have to find out in how much time the express train (whose relative speed will be $60 - 40 = 20$ km/hr) cover the distance of 80 km that separates the two trains. Now with 20 km/hr the express train would cover 80 km in 4 hours. Thus in four hours the distance covered by the express train shall be $4 \times 60 = 240$ km.</p>
21	<p>NOTE: https://www.thehindu.com/sci-tech/energy-and-environment/new-species-of-shrew-discovered-in-andamans-narcondam-island/article34478344.ece</p>
22	<p>NOTE: https://blog.ipleaders.in/biomedical-waste-management-rules-2016/</p>
23	<p>NOTE: https://www.thehindu.com/sci-tech/science/100-million-year-old-bones-of-sauropods-discovered-in-meghalaya/article34479477.ece</p>

24	<p>NOTE: https://indianexpress.com/article/india/india-hdi-ranking-2020-un-human-development-7108205/</p>	<p>by Pakistani economist Mahbub ul-Haq, who was that country's finance minister for most of the '80s. He, along with Amartya Sen, pioneered the idea of development as being more than just greater income: it also meant access to more and more options, to the capability to fulfil more and more of your aspirations. The Human Development Index or HDI, the report's main product, reflects this idea: it includes income, but also quantifications of access to health and education — life expectancy and mean years of schooling, for example. This HDR looks at the big movers, the countries that have improved the all-round lives of their citizens most.</p>
25	<p>NOTE: India ranked 131 among 189 countries on the Human Development Index (HDI) for 2019, slipping two places from the previous year, according to the Human Development Report (HDR) 2020 released by the United Nations Development Program (UNDP). The 2020 Report has introduced planetary pressures-adjusted Human Development Index, which adjusts the standard Human Development Index (HDI) by a country's per capita carbon dioxide emissions and material footprint. The other indices that form the part of the Report are: Inequality-adjusted Human Development Index (IHDI), Gender Development Index (GDI), Gender Inequality Index (GII) and Multidimensional Poverty Index (MPI). HDI emphasizes that people and their capabilities should be the ultimate criteria for assessing the development of a country, not economic growth alone. Based on three Basic Dimensions of Human Development: A long and healthy life, Access to knowledge, and A decent standard of living. HDR was developed and led for years</p>	<p>26 NOTE: https://indianexpress.com/article/explained/how-sputnik-v-works-against-coronavirus-and-how-effectively-7270877/</p>
		<p>27 NOTE: https://www.financialexpress.com/opinion/why-g-sap-1-0-is-a-bold-move-by-rbi/2231796/</p>
		<p>28 NOTE: https://www.thehindubusinessline.com/companies/vedanta-signs-mou-for-reuse-of-bauxite-residue/article34301801.ece</p>
		<p>29 NOTE: https://www.thehindu.com/news/national/kerala/wayanad-sanctuary-a-haven-for-asiatic-wild-</p>

	dog/article34290432.ece
30	NOTE: https://indianexpress.com/article/india/covid-19-has-pushed-half-of-indias-poor-away-from-nutritious-food-report-7272500/
36	NOTE: https://wps.pearsoned.com/wps/media/objects/3844/3936850/protected/ch18/micsg18.pdf
37	NOTE: https://www.financialexpress.com/what-is/non-tax-revenue-meaning/1762795/
38	NOTE: https://www.thehindubusinessline.com/companies/vedanta-signs-mou-for-reuse-of-bauxite-residue/article34301801.ece
39	NOTE: https://indianexpress.com/article/explained/explained-how-the-1-5-times-formula-for-crops-msp-is-calculated-7075865/
40	NOTE: https://www.livemint.com/news/india/rbi-looks-to-tame-inflation-with-a-stronger-rupee-11599065207611.html
41	NOTE: Wood's Despatch of 1854 Charles

	Wood was a British Liberal politician and Member of Parliament. He served as Chancellor of the Exchequer from 1846 to 1852. Later he became the President of the Board of Control of the East India Company. In 1854 he sent the "Wood's despatch" to the Governor General Lord Dalhousie. As per this despatch: An education department was to be set in every province. Universities on the model of the London University be established in big cities such as Bombay, Calcutta and Madras. At least one government school be opened in every district. Affiliated private schools should be given grant in aid. The Indian natives should be given training in their mother tongue also. Wood's Despatch is called Magnacarta of English Education in India. In accordance with Wood's despatch, Education Departments were established in every province and universities were opened at Calcutta, Bombay and Madras in 1857 on the model of the London University. Later more universities were opened in Punjab in 1882 and at Allahabad 1887.
42	NOTE: https://pib.gov.in/PressReleasePage.aspx?PRID=1604587 https://oceanservice.noaa.gov/hazards/hab/
43	NOTE: Indian Social Conference Founded by

	<p>M.G. Ranade and Raghunath Rao, the conference met annually from its first session in Madras in 1887 at the same time and venue as the Indian National Congress. It focused attention on the social issues of importance; it could be called the social reform cell of the Indian National Congress, in fact. The conference advocated inter-caste marriages, opposed polygamy and kulinism. It launched the “Pledge Movement” to inspire people to take a pledge against child marriage.</p>
44	<p>NOTE: The name of Lord William Bentinck is still cherished in India for suppression of the Thugs. Thugs were the hereditary assassins whose profession was to deceive people and strangle them to death with their Pugree or handkerchief. They used to travel in Gangs, disguised as merchants or pilgrims. They were bound together by an oath on the rites of their deity goddess Kali. The word “Thug” is derived from “Sthag” of Sanskrit, which means “sly”. Rather than ordinary thieves, they were the bands of the people who were first recorded by Barni, when he mentions that Firoz Shah Tughlaq captured the Thugs. But none of them was killed and Sultan put them in boats and sent them to Lakhnauti where they were set free, so that they don't trouble the “Delhites”. In suppression of Thugs, along with William Bentinck, one more name is cherished. This able</p>

	<p>officer was William Henry Sleeman. Initially he was a soldier and later became the administrator. In 1835, the ‘Thuggee and Dacoity Dept’ was created by William Bentinck and William Henry Sleeman was made its superintendent. He was later promoted as its Commissioner in 1839. The rigorous operations under Sleeman led to capture of 1400 Thugs who were hanged by the government or transported for life. A special prison was established at Jabalpur for Thugs. The reason of this success was the awareness creation by the Government. The department started disseminating information about the Thugee and at every Police Station or Thana, the information about the new techniques by the Thugs would be sent. The travelers were warned. Since, Thugs could be recognized only by evidence, the department started “King’s Evidence Programme“. In this programme the Thugs, who turned evidences of the and provided into about the Gang members & peers would be provided protection and incentives. This was used by the government to break the code of silence, which kept the members of the gang silent.</p>
45	<p>NOTE: https://www.ndtv.com/delhi-news/arvind-kejriwal-inaugurates-truck-mounted-anti-smog-gun-to-tackle-delhi-air-pollution-2336515 https://indianexpress.com/article/w</p>

	hat-is/what-is-anti-smog-gun/
46	NOTE: https://indianexpress.com/article/explained/explained-why-this-is-the-worst-wildfire-season-in-the-western-us-6904983/
47	NOTE: The value of pi was first calculated by Baudhayan. https://www.livemint.com/Sundayapp/8wRiLexg1N2IOXjeK2BKcL/How-Aryabhata-got-the-earths-circumference-right-millenia-a.html
48	NOTE: https://indianexpress.com/article/explained/explained-what-fundamental-duties-mean-6145712/
49	NOTE: https://www.livemint.com/news/india/kolkata-east-west-metro-a-look-at-india-s-first-underwater-metro-station-11603185104286.html
52	NOTE: https://www.financialexpress.com/opinion/paddy-straw-decomposer-is-not-a-substitute-for-no-burning-stubble-management-practices/2099623/
53	NOTE: https://indianexpress.com/article/india/global-health-index-2020-india-6757899/
54	NOTE:

	https://www.thehindu.com/news/national/other-states/jammu-muslim-front-backs-gupkar-declaration/article32881929.ece
55	NOTE: https://telanganatoday.com/the-graveyard-of-spacecrafts
56	NOTE: https://www.indiatoday.in/india/story/lipulekh-kalapani-india-nepal-mansarovarwhat-1679173-2020-05-18 Banihal pass is a popular pass in Jammu and Kashmir. It is situated in the Pir- Panjal Range. It connects Banihal with Qazigund. Lipu Lekh is located in Uttarakhand. It connects Uttarakhand with Tibet. This pass is an important border post for trade with China. Shipki La is located through Sutlej Gorge. It connects Himachal Pradesh with Tibet. It is India's third border post for trade with China after Lipu Lekh and Nathula Pass.
57	NOTE: A situation in which available work tasks are split among resources (typically labour) such that they seem fully employed but in reality much of their time is spent in unproductive activities is called disguised unemployment. Here the marginal productivity of labour comes to zero. When aggregate demand for goods and services in the economy falls far

	below its capacity, a large chunk of labour force gets employed. This is known as cyclical unemployment. While structural unemployment means the change in the demand pattern for goods necessitates change in the demand pattern for labour. But labour force cannot immediately metamorphose, matching the change in demand pattern. Due to these conditions a state of unemployment occurs that is known as structural unemployment.								
58	NOTE: Being a sovereign state, India can acquire foreign territories according to the modes recognized by international law, i.e., cession (following treaty, purchase, gift, lease or plebiscite), occupation (hitherto unoccupied by a recognized ruler), conquest or subjugation. For example, India acquired several foreign territories such as Dadra and Nagar Haveli; Goa, Daman and Diu; Puducherry; and Sikkim since the commencement of the Constitution.								
59	NOTE: https://www.business-standard.com/article/pti-stories/centre-declares-national-chambal-sanctuary-in-mp-as-eco-sensitive-zone-120030200815_1.html								
60	NOTE: <a 126="" 499="" 894="" 942"="" data-label="Table" href="https://www.downtoearth.org.in/news/climate-change/protecting-</td> </tr> </table> </div> <div data-bbox="> <table border="1"> <tr> <td></td> <td>peatlands-can-help-attain-climate-goals-69883#:~:text=In%20India%2C%20peatlands%20occupy%20roughly,the%20organic%20layer%20relatively%20rapidly.</td> </tr> <tr> <td>62</td> <td>NOTE: The Kigali Agreement is an amendment to the Montreal Protocol which is an environmental treaty signed by countries to phase out Ozone Depleting Substances (ODSs) from the earth's atmosphere entered into force on 1st January 2019. The signing countries are expected to decrease the manufacture and usage of hydrofluorocarbons (HFCs) by about 80-85% from their baselines until 2045. Even though HFCs do not cause ozone layer depletion, they are super greenhouse gases. They cause global warming.</td> </tr> <tr> <td>64</td> <td>NOTE: Shukrayaan Mission: The ISRO is also planning a mission to Venus, tentatively called Shukrayaan.</td> </tr> <tr> <td>65</td> <td>NOTE: Recently, farmers from Golaghat district in Assam have cultivated new flood resistant paddy varieties to shift from the traditional ones. The varieties called Ranjit Sub1, Swarna Sub1 and Bahadur Sub1 have been used by about 60% farmers of the West Brahmaputra area.</td> </tr> </table> 		peatlands-can-help-attain-climate-goals-69883#:~:text=In%20India%2C%20peatlands%20occupy%20roughly,the%20organic%20layer%20relatively%20rapidly.	62	NOTE: The Kigali Agreement is an amendment to the Montreal Protocol which is an environmental treaty signed by countries to phase out Ozone Depleting Substances (ODSs) from the earth's atmosphere entered into force on 1st January 2019. The signing countries are expected to decrease the manufacture and usage of hydrofluorocarbons (HFCs) by about 80-85% from their baselines until 2045. Even though HFCs do not cause ozone layer depletion, they are super greenhouse gases. They cause global warming.	64	NOTE: Shukrayaan Mission: The ISRO is also planning a mission to Venus, tentatively called Shukrayaan.	65	NOTE: Recently, farmers from Golaghat district in Assam have cultivated new flood resistant paddy varieties to shift from the traditional ones. The varieties called Ranjit Sub1, Swarna Sub1 and Bahadur Sub1 have been used by about 60% farmers of the West Brahmaputra area.
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66	NOTE: A human atlas initiative named Manav has been launched by the Department of Biotechnology (DBT) and Persistent Systems, a biotechnology company. The aim is to create a unified database of molecular network of all the tissues in the human body and to derive a holistic picture of working of the human body. https://indianexpress.com/article/explained/manav-human-atlas-initiative-depart-of-biotechnology-5723857/
67	NOTE: Surya Sen decided to organize an armed rebellion to occupy two main armories in Chittagong to seize and supply arms to the revolutionaries to destroy telephone and telegraph lines and to dislocate the railway link of Chittagong with the rest of Bengal. The raid was conducted under the banner of Indian Republican Army Chittagong Branch. The raid was quite successful and Sen hoisted the national flag, took salute and proclaimed a provisional revolutionary government.
68	NOTE: Average age of 40 students = 16.95 years Total age of 40 students = $40 \times 16.95 = 678$ years Average age of 41 students = 17

	Total age of 41 students = $41 \times 17 = 697$ years. Age of new student = $697 - 678 = 19$ years.
69	NOTE: National Aeronautics and Space Administration (NASA) has found out that asteroid 16 Psyche, which orbits between Mars and Jupiter, could be made entirely of metal and is worth an estimated 10,000 quadrillion US dollars. https://indianexpress.com/article/explained/what-is-16-psyche-the-asteroid-believed-to-be-worth-10000-quadrillion-6911646/
70	NOTE: VAJRA (Visiting Advanced Joint Research) Faculty Scheme is a dedicated program exclusively for overseas scientists and academicians with emphasis on Non-resident Indians (NRI) and Persons of Indian Origin (PIO)/Overseas Citizen of India (OCI) to work as adjunct/visiting faculty for a specific period of time in Indian Public funded academic and research institutions. https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1657418
71	NOTE: 'Saviour Sibling' refers to babies that are created to serve an older sibling as a donor of organs, bone marrow or cells. Stem cells from the umbilical cord blood or blood of the saviour

	<p>sibling are used for treatment of serious blood disorders like thalassemia, sickle cell anaemia.</p> <p>Recently, The Saviour Sibling named Kavya saved her 6-year-old brother (suffering from Thalassemia).</p>
72	<p>NOTE:</p> <p>Plants sustain themselves by a process called photosynthesis. But they do not need soil to photosynthesize. They need the soil to supply them with water and nutrients. Hydroponic innovations have proven direct exposure to nutrient-filled water can be a more effective and versatile method of growth than traditional irrigation.</p>
79	<p>NOTE:</p> <p>Ceylon Frogmouth is a nocturnal Small Bird from Sri Lanka, Coppersmith Barbet is an Asian barbet, Gray-Chinned Minivet is a bird from the Campephagidae family and White throated redstart belongs to Muscicapidae.</p>
81	<p>NOTE:</p> <p>More than 50% of India's districts are classified as "overexploited" or "critical" by the Central Ground Water Authority (CGWA). Statement 1 is incorrect.</p> <p>The Central Ground Water Authority is under Section 3 of the Environment Protection Act, 1986. Statement 2 is correct.</p> <p>India has the world's largest groundwater well-equipped irrigation</p>

	<p>system. Statement 3 is correct.</p>
82	<p>NOTE:</p> <p>A situation in which available work tasks are split among resources (typically labour) such that they seem fully employed but in reality much of their time is spent in unproductive activities is called disguised unemployment. Here the marginal productivity of labour comes to zero. When aggregate demand for goods and services in the economy falls far below its capacity, a large chunk of labour force gets employed. This is known as cyclical unemployment. While structural unemployment means the change in the demand pattern for goods necessitates change in the demand pattern for labour. But labour force cannot immediately metamorphose, matching the change in demand pattern. Due to these conditions a state of unemployment occurs that is known as structural unemployment.</p>
86	<p>NOTE:</p> <p>Taiga is a biome characterized by coniferous forests. Covering most of inland Alaska, Canada, Sweden, Finland, inland Norway, northern Kazakhstan and Russia (especially Siberia), as well as parts of the extreme northern continental United States, the taiga is the world's largest terrestrial biome. In Canada, boreal forest is the term used to refer to the southern part of this biome, while</p>


	<p>“taiga” is used to describe the more barren northern areas south of the Arctic tree-line. Since North America and Eurasia were recently connected by the Bering land bridge, a number of animal and plant species (more animals than plants) were able to colonise both continents and are distributed throughout the taiga biome. Others differ regionally, typically with each genus having several distinct species, each occupying different regions of the taiga. Taigas also have some small-leaved deciduous trees like birch, alder, willow and aspen; mostly in areas escaping the most extreme winter cold. However, the deciduous Larch is coping with the coldest winters on the northern hemisphere in eastern Siberia. The southernmost part of the taiga also have trees like oak, maple and elm scattered among the conifers.</p>		<p>https://www.thehindu.com/news/national/no-difference-in-mortality-in-covid-19-first-and-second-wave-icmr/article34358148.ece https://www.thehindu.com/sci-tech/health/the-hindu-explains-what-are-some-of-the-key-terms-being-used-to-describe-the-novel-coronavirus-outbreak/article31768617.ece</p>
87	<p>NOTE: https://www.thehindu.com/sci-tech/science/nasas-voyager-1-detects-the-eerie-hum-of-interstellar-space/article34539865.ece</p>	90	<p>NOTE: https://www.thehindu.com/sci-tech/science/how-long-is-the-solar-systems-longest-day-venus-has-the-answer/article34478742.ece</p>
88	<p>NOTE: https://www.thehindu.com/sci-tech/health/explained-why-have-doctors-cautioned-against-misuse-of-ct-scans-and-steroids-to-diagnose-and-treat-covid-19/article34516623.ece</p>	92	<p>NOTE: https://indianexpress.com/article/explained/explained-ats-seizes-7kg-uranium-worth-rs-21-crore-from-a-scrap-dealer-heres-what-happened-7305856/</p>
89	<p>NOTE:</p>	93	<p>NOTE: https://www.downtoearth.org.in/news/agriculture/reduce-human-caused-methane-emissions-by-45-to-avoid-worst-of-climate-change-un-76837#:~:text=Human%2Dcaused%20methane%20emissions%20must,by%202045%2C%20the%20report%20added.&text=Governments%20worldwide%20were%20aspiring%20to%20reduce%20methane</p>
		94	<p>NOTE: https://indianexpress.com/article/explained/explained-ip-waiver-for-covid-19/</p>

	vaccines-7304992/
95	NOTE: https://www.livemint.com/news/india/steps-taken-by-rbi-will-help-middle-class-businesses-during-lockdown-pm-modi-11585315605489.html
96	NOTE: It was based on the Harrod-Domar model, which suggested that growth was dependent on two things. First, high level of savings since higher savings enabled greater investment and second, a low capital-output ratio that ensured efficient investment and a higher growth rate.
100	NOTE: https://www.thehindu.com/news/international/israels-six-day-war-explained/article18960298.ece
101	NOTE: https://www.thehindu.com/news/national/gi-tag-to-manipur-black-rice-gorakhpur-terracotta/article31475958.ece
102	NOTE: https://www.thehindu.com/news/national/what-are-gi-tags-and-how-are-they-awarded/article31667981.ece
103	NOTE: https://www.thehindu.com/news/cities/Hyderabad/remdesivir-not-for-all-patients/article34353099.ece
104	NOTE:

	<p>Parallel or Grey Imports: These are products marketed by the patent owner in one country and imported into another country without the approval of the patent owner. For example, suppose company A has a drug patented in the Country 'X' and Country 'Y'. In Country 'Y', the drug may be sold at lower prices. In this case, the Country 'X' may decide to import the drug from Country 'Y'. It is referred to parallel or grey import.</p> <p>Bolar Exception: Usually, the marketing approval for new drugs takes substantial amount of time. Hence, upon the expiry of patented drugs, the entry of cheaper Generic medicines into market may get delayed.</p> <p>Hence, Bolar Exception allows potential competitors to use a patented invention during the patent term without the consent of the patent owner for the purpose of obtaining marketing approval for a prospective generic product.</p>
105	NOTE: The Trade Related Aspects of Intellectual Property Rights (TRIPS Agreement) does not specifically list the reasons that might be used to justify compulsory licensing. However, the Doha Declaration on TRIPS and Public Health confirms that countries are free to determine the grounds for granting compulsory licences, and to determine what constitutes a national emergency.

	https://www.financialexpress.com/opinion/fight-covid-with-compulsory-licensing/2248068/
106	NOTE: https://indianexpress.com/article/explained/explained-what-new-research-says-about-climate-change-causing-a-shift-in-earths-axis-7299258/
108	NOTE: https://www.sciencedirect.com/science/article/pii/S0167198710001960#:~:text=Direct%20seeded%20rice%20(DSR)%20has,prepared%20seedbed%20(dry%20seeding). https://www.thehindu.com/news/national/other-states/punjab-farmers-find-a-better-way-to-grow-paddy/article32060408.ece https://indianexpress.com/article/explained/labour-short-can-direct-seeding-be-alternative-to-paddy-transplanting-6408653/
109	NOTE: https://www.thehindu.com/news/international/6-european-nations-join-iran-barter-system/article30131764.ece
110	NOTE: https://www.thehindu.com/opinion/oped/dams-and-damages/article33795426.ece
111	NOTE: https://indianexpress.com/article/cit

	ies/mumbai/maratha-quota-special-leave-petition-filed-in-sc-against-hc-order-5817938/
	Special Leave Petition – What, How & When
112	NOTE: https://www.livewlaw.in/columns/supreme-court-rohingya-refugees-international-covenant-on-civil-and-political-rights1966-173718
113	NOTE: https://www.thehindu.com/society/the-mizos-and-myanmarrese-share-deep-cultural-bonds-that-go-beyond-the-citizen-refugee-divide/article34391179.ece
114	NOTE: https://www.mondaq.com/india/patent/603302/utility-patents-its-position-in-india
115	NOTE: https://indianexpress.com/article/opinion/columns/wealth-from-stubble-burning-farmers-farmers-air-pollution-delhi-punjab-haryana-6884982/ https://indianexpress.com/article/india/punjab-stubble-farm-fires-ex-situ-management-7076263/
116	NOTE: https://www.deccanherald.com/national/north-and-central/indian-constitution-first-amendment-and-

	the-last-779574.html
117	NOTE: https://www.business-standard.com/article/finance/monetary-policy-review-rbi-adopts-a-new-liquidity-management-framework-120020601929_1.html
118	NOTE: https://www.thehindu.com/sci-tech/science/a-global-selfie/article30808013.ece
119	NOTE: https://pib.gov.in/PressReleaseIframePage.aspx?PRID=1680145
120	NOTE:  https://www.thehindu.com/news/international/kyrgyzstan-tajikistan-seek-to-ease-cross-border-tensions/article34452732.ece
121	NOTE: The average rainfall in six days = 0.5 inch. Hence, total rainfall in six days = $0.5 \times 6 = 3$ inch

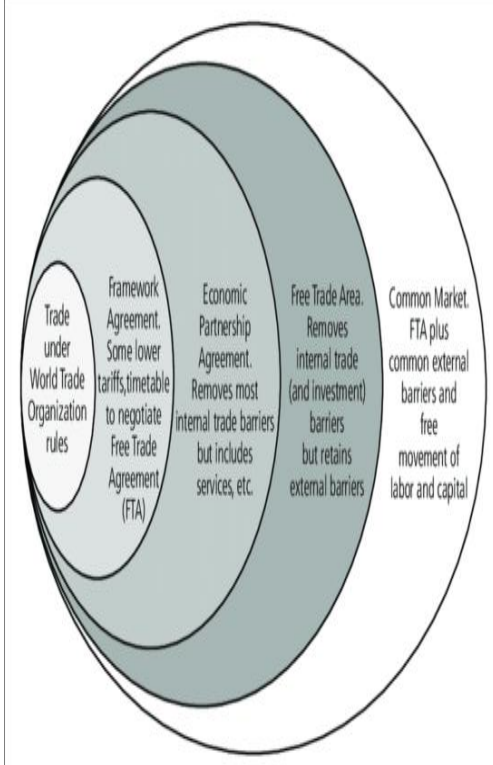
	The average rainfall in a city for the first four days = 0.4 inch So, total rainfall in these four days = $0.4 \times 4 = 1.6$ inch Hence, rainfall in the last two days = $3 - 1.6 = 1.4$ inch Now, it's given that the rainfall on the last two days was in the ratio of 4:3. Hence, rainfall on the fifth day = $1.4 \times [4/(4 + 3)] = 1.4 \times (4/7) = 0.8$ inch																																			
122	NOTE: The difference when reversed is 27. So the digits will have a difference of 27/9 or 3. So 14,25,36,47,58,69 are the possible pairs of digits. The numbers are 41,52,63,74,85,96. Or total 6 pairs.																																			
123	NOTE: <table border="1"> <thead> <tr> <th></th> <th>Bank Employee</th> <th>Tennis Player</th> <th>Post Graduate Sociology</th> <th>P.G in Commerce</th> </tr> </thead> <tbody> <tr> <td>Vimala</td> <td>✓</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Kamala</td> <td>✓</td> <td></td> <td>✓</td> <td></td> </tr> <tr> <td>Amala</td> <td>Unemployed</td> <td></td> <td>✓</td> <td></td> </tr> <tr> <td>Komala</td> <td>Unemployed</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>Nirmala</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> </tr> <tr> <td>Shyamala</td> <td></td> <td></td> <td></td> <td>✓</td> </tr> </tbody> </table>		Bank Employee	Tennis Player	Post Graduate Sociology	P.G in Commerce	Vimala	✓				Kamala	✓		✓		Amala	Unemployed		✓		Komala	Unemployed	✓	✓		Nirmala	✓	✓	✓		Shyamala				✓
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Shyamala				✓																																
124	NOTE:																																			

	$\begin{array}{r} \underline{X} \quad \underline{Y} \quad \underline{Z} \\ A \quad B \quad C \\ \downarrow \quad \downarrow \quad \downarrow \\ 6 \quad 7 \quad 6.5 \\ \underline{-1} \quad \underline{-3} \quad \underline{-2} \\ \underline{5 \text{ cm}} \quad \underline{4 \text{ cm}} \quad \underline{4.5 \text{ cm}} \end{array}$ <p>A = $39 \times 5 + 1 \times 6 = 201$ B = $39 \times 4 + 1 \times 7 = 163$ C = $39 \times 4.5 + 1 \times 6.5 = 182$</p>
125	<p>NOTE:</p> <p>Suppose Gopal got the cell phone for Rs. 100/-. He sold it to Ram at 10% profit i.e. he sold it to Ram for Rs. 110/-. Now Ram wants to sell it back to Gopal at 10% loss i.e. only for 90% of the amount for which is got it. Thus he will sell it to Gopal for Rs. $0.9 \times 110 = \text{Rs. } 99/-$</p> <p>Thus Gopal makes a profit of Rs. 1 over an initial investment of Rs. 100/-</p>
126	<p>NOTE:</p> <p>https://www.thehindu.com/news/cities/Tiruchirapalli/better-awareness-of-plasma-donation-need-of-the-hour/article32414743.ece</p> <p>https://www.ahealthyme.com/Library/DiseasesConditions/Pediatric/Blood/160,37</p>
127	<p>NOTE:</p>

	<p>https://www.financialexpress.com/lifestyle/science/devic-earth-fighting-air-pollution-with-modern-technology/2256682/</p>
128	<p>NOTE:</p> <p>https://www.indiawaterportal.org/articles/indian-islands-declared-hope-spots#:~:text=The%20Andaman%20and%20Nicobar%20and,wildlife%20and%20significant%20underwater%20habitats.</p>
129	<p>NOTE:</p> <p>https://www.traffic.org/news/tiktok-coalition-announcement/</p>
130	<p>NOTE:</p> <p>https://www.thehindubusinessline.com/news/pxil-launches-green-term-ahead-market/article34168706.ece</p>
131	<p>NOTE:</p> <p>http://www.ncbc.nic.in/User_Panel/UserView.aspx?TypeID=1025</p>
132	<p>NOTE:</p> <p>https://indianexpress.com/article/explained/from-dolphins-and-whales-new-insights-on-covid-19-7092225/</p> <p>https://indianexpress.com/article/explained/why-beaching-of-whales-still-baffles-science/</p> <p>https://www.downtoearth.org.in/news/japan-leads-opposition-to-establishing-marine-sanctuary-for-whales-46393#:~:text=Two%20sanctuaries%20are%20currently%20designated,the</p>

	%20Southern%20Ocean%20around%20Antarctica.
133	NOTE: https://www.oneindia.com/india/full-text-of-rbi-governor-shaktikanta-das-may-22-briefing-3092733.html
134	NOTE: https://indianexpress.com/article/explained/explained-what-is-a-notified-disaster-and-how-is-the-sdrf-used-6315643/
135	NOTE: https://geacindia.gov.in/india-bch.aspx
136	NOTE: x= mixture A , then 300-x is Mixture B $0.1x + (300-x)0.15 = 38$ x=140
137	NOTE: Vowels in the word "CORPORATION" are O,O,A,I,O Lets make it as CRPRTN(OOAIO) This has 7 letters, where R is twice so value = $7! / 2!$ = 2520 Vowel O is 3 times, so vowels can be arranged = $5! / 3!$ = 20 Total number of words = $2520 * 20 = 50400$
138	NOTE: Since at least 3 men must be chosen,

	we consider all committees which include 3, 4, and 5 men, with 2, 1, and 0 women, respectively. That is, we want to add the number of ways to: a. Choose 3 from 7 men and 2 from 6 women = $(7C3)*(6C2) = 35*15 = 525$ b. Choose 4 from 7 men and 1 from 6 women = $(7C4)*(6C1) = 35*6 = 210$ c. Choose 5 from 7 men and 0 from 6 women = $(7C5)*(6C0) = 21*1 = 21$ a+b+c= 756
139	NOTE: No. of ways in which 5 paper can arranged is 5! Ways. When the best and the worst papers come together, regarding the two as one paper, we have only 4 papers. These 4 papers can be arranged in 4! Ways. And two papers can be arranged themselves in 2! Ways. No. of arrangement when best and worst paper do not come together, $= 5! - 4! 2! = 4! (5-2) = 24 * 3 = 72.$ $(n-2)(n-1)! = (5-2)(5-1) = 72$
140	NOTE: Numbers of Options applicable for 5 letter digit – $> 10 * 9 * 8 * 7 * 6 = 10 * 9 * 8 * 7 * 6$ (as option pool for first digit is 10, for second 9 because one is removed and so on) Numbers of Options applicable for 5 letter digit -> $10 * 9 * 8 * 7 * 6 = 10 * 9 * 8 * 7 * 6$ Required Ratio - $> (10 * 9 * 8 * 7 * 6) / (10 * 9 * 8 * 7 * 6) = 6:1$

<p>143</p>	<p>NOTE: https://indianexpress.com/article/explained/explained-deepfake-video-detection-implications-7247635/ https://indianexpress.com/article/explained/explained-deepfake-video-detection-implications-7247635/</p>
<p>145</p>	 <p>https://www.india-briefing.com/news/indias-free-trade-agreements-4810.html/</p>