

MPSC 2023 GROUP B SET 5

Question No	Question	Choice 1	Choice 2	Choice 3	Choice 4	Correct choice	Explanation
1	Kongthong ,which bagged "Best Tourism Village Award 2023" (Bronze) is located in which of the following states?	Meghalaya	Assam	Manipur	Arunachal Pradesh	Choice 1	Kongthong, a village situated in the East Khasi Hills of Meghalaya, recently bagged the award at the National Tourism Awards 2023. These awards were conferred by the Union Tourism Ministry. Meghalaya implements the Homestay Scheme, providing a subsidy of up to 7 lakh rupees per homestay.
2	Which country recently opened first cross-sea bullet train?	Russia	UAE	France	China	Choice 4	China has launched its first high-speed rail line that will travel along the coast of the southeastern province of Fujian near the Taiwan Strait.
3	Ratnagiri Refinery and Petrochemicals Limited was proposed by which state?	Maharashtra	Karnataka	Assam	Meghalaya	Choice 1	Ratnagiri Refinery & Petrochemicals Limited It proposes to implement an integrated refinery and petrochemicals complex in the West Coast of Maharashtra.
4	An ordinance amending the Maharashtra Cooperative Societies Act was signed	45084	10th May 2023	14th February 2023	2nd April 2023	Choice 1	Ordinance to Amend Maharashtra Cooperative Societies Act, 1960. On June 7, an ordinance amending the Maharashtra Cooperative Societies Act was signed, bringing about significant changes in the categorization of members.
5	Maharashtra has approved which of the following schemes on 11th October 2023?	Maharashtra Aapla Dawakhana Yojana	Lek Ladki	Maharashtra Aadim Awas Yojna	Maharashtra Ramai Awas Yojana	Choice 2	
6	Which day is celebrated on 15th October in Maharashtra?	Labour Day	Agriculture Day	Reading Inspiration Day	Book Day	Choice 3	October 15, the birthday of former President A.P.J. Abdul Kalam will be celebrated as "Maharashtra Reading Day" in the state, Education Minister Vinod Tawde announced here on Saturday.
7	All India Marathi Literary Conference 2022 was inaugurated by:	Ram Nath Kovind	Narendra Modi	Amit Shah	Sharad Pawar	Choice 4	The 95th All India Marathi Literary Conference was inaugurated by NCP chief Sharad Pawar on Friday in Udgir in Maharashtra's Latur district. He said literature must be free and not bound by any school of thought and it had the power to bring about revolutions, the French Revolution being an example.
8	96th Akhil Bharatiya Marathi Sahitya Sammelan will be held in:	Nagpur	Nasik	Wardha	Mumbai	Choice 3	The 96th Akhil Bharatiya Marathi Sahitya Sammelan, the prestigious literary summit began in Wardha district of Maharashtra today, February 3.
9	Avinash Sable who won gold in Steeplechase in Asian Games is from:	Maharashtra	Punjab	Bihar	Rajasthan	Choice 1	Sable was born on 13 September 1994 in Mandwa, Tq. Ashti, Beed district, Maharashtra, into a family of farmers. From age six, he would run or walk the 6 km (3.7 mi) distance between home and school as there was no transport facility in his village.
10	Ojas Deotale won how many gold medals in Asian Games 2023?	1	2	3	4	Choice 3	Ojas Deotale won three gold medals at the Hangzhou Asian Games in China. Hundreds of school students, friends, relatives, and fans gathered at the airport to celebrate his achievements.
11	Which institution released a report titled "India Ageing Report 2023" ?	NITI Aayog	NSO(National Science Olympiad)	UNFPA(United Nations Population Fund)	World Bank	Choice 3	The India Ageing Report 2023 was released recently by the United Nations Population Fund (UNFPA) and the International Institute for Population Sciences (IIPS).
12	The State Board for Wildlife in Maharashtra has recently decided to declare how many new conservation reserves?	12	8	9	4	Choice 1	In a major boost for wildlife conservation and environment protection movement, the Maharashtra State Board for Wildlife (MSBWL) has approved 12 new conservation reserves and three wildlife sanctuaries. Put together, these protected areas (PAs) will have an area of almost 1,000 sq km (around 692.74 sq km for conservation reserves and 303 sq km for wildlife sanctuaries), which is twice the size of Mumbai city's 482 sq km.

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13	Ajanta caves in Maharashtra were discovered in the year:	1825	1819	1810	1805	Choice 2	These caves were discovered by an Army Officer in the Madras Regiment of the British Army in 1819 during one of his hunting expeditions. Instantly the discovery became very famous and Ajanta attained a very important tourist destination in the world.
14	BR Ambedkar started which of the following Marathi newspaper?	Mook Nayak	New India	Hindustan Dainik	Bande Mataram	Choice 1	Mooknayak was a Marathi fortnightly-Newspaper founded by B. R. Ambedkar in 1920. [7] The newspaper aimed to reveal the pain and rebellion of society.[8] The first issue of Mooknayak was published on 31 January 1920.
15	Vyayama Mandala organisation was started by Chapekar Brothers was started in :	Mumbai	Nagpur	Nasik	Pune	Choice 4	Vyayam Mandala was founded by Chapekar Brothers. It was founded in Pune in the year 1896-97.
16	Who among the following was the Governor of Bombay Presidency during the 1857 revolt?	George Russell Clark	John Elphinstone	Lord Farkland	Lestock Robert Reid	Choice 2	In 1857 Lord Elphinstone was Governor of Bombay. A man of culture and ability, Lord Elphinstone had enjoyed more experience of India than generally falls to the lot of governors unconnected with the civil or military services.
17	Which of the following treaty was signed after the end of the First Anglo-Maratha War?	Treaty of Surat	Treaty of Salbai	Treaty of Yandaboo	Treaty of Madras	Choice 2	The First Anglo-Maratha War lasted from 1775 to 1782, with the victory of the British East India Company. The Treaty of Salbai, signed in 1782, ended the war.
18	Who is also know as ' second founder of Maratha state'?	Baji Rao I	Chhatrapati Shahu	Sambhaji	Peshwa Balaji Vishvanath	Choice 4	The second founder of the Maratha kingdom was Peshwa Balaji Vishwanath. Balaji Vishwanath assisted a young Maratha Emperor Shahu to consolidate his grip on a kingdom that had been racked by civil war and persistently intruded on by the Mughals under Aurangzeb.
19	Which act in 1960 caused the creation of the State of Maharashtra and Gujarat ?	Gujrat Reorganisation Act	Bombay-Gujrat Reorganization Act	Reorganization Act	Bombay Reorganization Act	Choice 4	On May 1st, 1960, the bilingual state of Bombay was divided into two separate states by the Bombay Reorganisation Act, 1960: Maharashtra for Marathi-speaking people and Gujarat for Gujarati-speaking people.
20	Which fort is the Birth Place of Chhatrapati Shivaji Maharaj?	Pratapgad Fort	Shivneri Fort	Raigad Fort	Singhad Fort	Choice 2	Shivneri Fort is an ancient military fortification located near Junnar in Pune district in Maharashtra, India. It is the birthplace of Shivaji, the founder of Maratha Empire.
21	When was the Third Battle of Panipat fought between the Maratha Empire and the Afghan Army?	1761	1777	1754	1734	Choice 1	Third Battle of Panipat Was Fought Between the Maratha Empire and the Durrani Empire of Afghanistan on 14 January 1761 - This Day in History.
22	Who is known as the political guru of Mahatma Gandhi?	Nana Sahib	Bal Gangadhar Tilak	Vasudev Balwant Phadke	Gopal Krishna Gokhale	Choice 4	Mahatma Gandhi said, Gopal Krishna Gokhale was his political Guru and a true servant of India. Gokhale's motto was to spiritualize the public life. His noble dream was the Servants of India Society , which he founded.
23	The Gateway of India was erected to commemorate the landing of which King in 1911?	George II	George III	George IV	George V	Choice 4	The Gateway of India is an arch monument built during the 20th century in Bombay, India. The monument was erected to commemorate the landing of King George V and Queen Mary at Apollo Bunder on their visit to India in 1911.
24	The only Indus site with an artificial brick dockyard is:	Mehrgarh	Lothal	Kalibangan	Harappa	Choice 2	Lothal was an important Indus Valley site in present-day Gujarat. It was first excavated in 1955. Lothal is the only Indus site with an artificial brick dockyard. It must have served as the main seaport of the Indus Valley people.
25	What is the total area of Maharashtra?	307,713 km ²	200,713 km ²	397,713 km ²	387,713 km ²	Choice 1	Maharashtra with a total area of 307,713 km ² (118,809 sq mi), is the third-largest state by area in terms of land area and constitutes 9.36 per cent of India's total geographical area.
26	How many international Airports are in Maharashtra?	1	2	3	4	Choice 3	There are 10 Operational Airports in Maharashtra having 3 International Airports and 7 Domestic Airports.
27	Which of the following is a nickname of Pune?	Oxford Of The East	Oxford Of The West	Manchester Of Maharashtra	City Of Wrestlers	Choice 1	Pune is called as the Oxford of the East due to having the more number of educational institutes and centers than any other place in India.

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28	How many district of Maharashtra share border with other states?	8	12	20	15	Choice 3	A total of twenty districts in Maharashtra share borders with other states. 16 districts of Maharashtra do not border any other states. Maharashtra is bordered by a total of six constituent states and one union territory.
29	Which is the highest point in Maharashtra?	Kalsubai	Salher	Gawaldev	Ghanchakkar	Choice 1	Kalsubai is the highest peak in Maharashtra and is located in Ahmednagar district in Akole Taluka. Its summit, situated at an elevation of 1,646 metres (5,400 ft), is the highest point in Maharashtra. Hence, known as the Everest of Maharashtra.
30	Which River is known as the "Life Line of Maharashtra"?	Krishna	Koyna	Godavari	Bhima	Choice 2	Due to its electricity generating potential, Koyna river is considered as the 'life line of Maharashtra'.
31	Which River is also known as Dakshina Ganga?	Koyna	Kaveri	Krishna	Godavari	Choice 4	Godavari is also known as Dakshin Ganga. It is the largest Peninsular river system. It rises in the Nasik district of Maharashtra and discharges its water into the Bay of Bengal. Its tributaries run through the states of Maharashtra, Madhya Pradesh, Chhattisgarh, Odisha and Andhra Pradesh.
32	Where is Bhandarkar Oriental Research Institute located?	Mumbai	Nagpur	Pune	Aurangabad	Choice 3	The Bhandarkar Oriental Research Institute is located in Pune, Maharashtra, India. It was founded on 6 July 1917 and named after Ramakrishna Gopal Bhandarkar, long regarded as the founder of Indology in India. The institute is well known for its collection of old Sanskrit and Prakrit manuscripts.
33	Jalgaon is also known as:	Orange city of Maharashtra	Banana city of Maharashtra	Watermelon city of Maharashtra	Pineapple city of Maharashtra	Choice 2	Jalgaon is a gaon in Maharashtra, India. The gaon is located in North Maharashtra in the subregion of Khandesh, and serves as the administrative headquarters of its namesake district, the Jalgaon district. The Girna river flows from the western part of the gaon. Jalgaon is colloquially known as the "Banana gaon of India" as the region's (Jalgaon district) farmers grow approximately two-thirds of Maharashtra's banana production.
34	Hazur Sahib Gurdwara is located on the bank of which river?	Konya	Bhima	Godavari	Krishna	Choice 3	It is located on the banks of the Godavari River at the city of Nanded in the state of Maharashtra, India. The structure is built at the place where Guru Gobind Singh Ji died.
35	The Deccan Queen connects the cities of Mumbai to:	Nashik	Ahmadnagar	Mahabaleshwar	Pune	Choice 4	The Deccan Queen is a daily Indian passenger train service operated by the Central Railway zone of the Indian Railways connecting the cities of Mumbai and Pune.
36	Ratnagiri is famous for:	Mango	Orange	Onion	Cherry	Choice 1	Ratnagiri is the home of the famed Alphonso mango. The beaches, forts, temples are a bonus.
37	Who is the shortest-serving Chief Minister of Maharashtra?	Marotrao Shambhio Kannamwar	Devendra Fadnavis	Narayan Tatu Rane	Shivajirao Patil Nilangekar	Choice 2	Bharatiya Janata Party leader Devendra Fadnavis resigned as the Chief Minister of Maharashtra, just 79 hours into his new term. Fadnavis thus became the shortest-serving chief minister of the state. Interestingly, just weeks earlier, he had become the first chief minister after Vasant Rao Naik to complete a full five-year term.
38	Who is the Chief Secretary of Maharashtra?	Manoj Saunik	Manu Kumar Srivastava	Debashish Chakrabarty	Sitaram Kunte	Choice 1	Manoj Saunik was appointed Chief Secretary of the Government of Maharashtra on 01 May 2023.
39	Who is the Chairman of the Maharashtra State Commission for Women?	Jayshree Mukherjee	Shweta Singhal	Sujata Saunik	Rupali Chakankar	Choice 4	Rupali Chakankar is the Chairperson of the Maharashtra State Commission For Women. She along with other members will hold office for a period of 3 years.

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40	Who is the present Election Commissioner of the Maharashtra State Election Commission?	Y.L. Rajvade	Urvinder Pal Singh Madan	Jogeshwar Sahariya	Nila Satyanarayana	Choice 2	Shri UPS Madan, the 6th SEC of Maharashtra, belonged to 1983 batch of the IAS from Maharashtra Cadre. He retired as the Chief Secretary of the State and worked as the Special Advisor to the Chief Minister before joining as SEC on 5/9/2019.
41	How many persons have served as the Governor in Maharashtra?	20	23	18	17	Choice 2	23 Governor in Maharashtra
42	First Family Planning Movement was started in Maharashtra by:	Raghunath Dhondo Karve	Janakka Shinde	Durga Bhagawat	Shakuntala Paranjape	Choice 1	Raghunath Dhondo Karve (14 January 1882 – 14 October 1953) was a professor of mathematics and a social reformer from Maharashtra, India. He was a pioneer in initiating family planning and birth control for masses in Mumbai in 1921.
43	At which of the following places is a bench of Mumbai High Court not located?	Aurangabad	Nagpur	Pune	Panaji	Choice 3	High Court were established at Nagpur and Rajkot to deal with matters arising from Vidharbha and Saurashtra districts respectively. In 1960, on the formation of the State of Gujarat, the Gujarat High Court was established. In 1981, a Bench of the High Court was notified in Aurangabad and the Permanent Bench was established in 1984 by the Order of the President. In accordance with the High Court at Bombay (Extension of Jurisdiction to Goa, Daman and Diu) Act, 1981, the Panaji (Goa) Bench of the High Court for the Union Territory of Goa, Daman and Diu was inaugurated in 1982.
44	Maharashtra State Board of Secondary Education came into existence in:	1966	1975	1957	1947	Choice 1	The State Board of Maharashtra was established on 1st January 1966 as Maharashtra State Secondary Education Boards, to manage certain events concerning secondary education in Maharashtra.
45	The total number of Lok Sabha and Rajya Sabha member of Maharashtra is:	48 in Lok Sabha and 48 in Rajya Sabha	48 in Lok Sabha and 19 in Rajya Sabha	38 in Lok Sabha and 19 in Rajya Sabha	40 in Lok Sabha and 28 in Rajya Sabha	Choice 2	The Rajya Sabha (meaning the "Council of States") is the upper house of the Parliament of India. Maharashtra elects 19 seats and they are indirectly elected by the state legislators of Maharashtra 48 Lok Sabha members are elected.
46	Who among the following was the first Chief Minister of the Bombay State?	Balasaheb Gangadhar Kher	Moraji Desai	Yashwantrao Balwantrao Chavan	Eknath Shinde	Choice 1	Balasaheb Gangadhar Kher (24 August 1888 – 8 March 1957) was the first chief minister of Bombay State which consisted of present-day Maharashtra and Gujarat States of India. He was awarded the Padma Vibhushan by the Government of India in 1954. A lawyer, solicitor and social worker by choice and politician by necessity, Kher was often described as "Sajjan", good and gentle. Kher was a scholar, an accomplished orator, and a man with no pretensions.
47	Who among the following politician of Maharashtra is known as the first modern Maratha strongman?	Sharad Pawar	Bal Thackeray	Vasantdada Patil	Vilasrao Deshmukh	Choice 3	Vasantrao Banduji Patil (13 November 1917 – 1 March 1989) was an Indian politician from Sangli, Maharashtra. He was known as the first modern Maratha strongman and first mass leader in Maharashtra politics.
48	In the Maharashtra Legislative Council, how many members are elected amongst graduates and teachers?	7 teachers and 8 graduates	8 teachers and 7 graduates	8 teachers and 8 graduates	7 teachers and 7 graduates	Choice 4	30 members are indirectly elected by the state legislators. 22 members are elected from Local Authorities Constituency, 7 from Graduates Constituency and 7 from Teachers Constituency. The Governor of Maharashtra nominated up to 12 members from eminent people from various fields.

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49	Hansa Jivraj Mehta in Bombay worked for :	Men's rights	Children's rights	Women's rights	Backward class's rights	Choice 3	Hansa Jivraj Mehta was one of the 15 women framers of the Indian Constitution. She was elected to the Constituent Assembly from Bombay under a Congress Party ticket. In the Assembly, she strongly argued in favour of women's rights and intervened in debates on uniform civil code and reservation.
50	Reserve Bank of India was established in the year :	1940	1955	1999	1949	Choice 4	The Reserve Bank of India was nationalised with effect from 1st January, 1949 on the basis of the Reserve Bank of India (Transfer to Public Ownership) Act, 1948. All shares in the capital of the Bank were deemed transferred to the Central Government on payment of a suitable compensation. The image is a newspaper clipping giving the views of Governor CD Deshmukh, prior to nationalisation.
51	When was the Bombay Stock Exchange established?	1777	1888	1875	1856	Choice 3	Bombay Stock Exchange was founded by Premchand Roychand in 1875. While BSE Limited is now synonymous with Dalal Street, it was not always so. In the 1850s, five stock brokers gathered together under a Banyan tree in front of Mumbai Town Hall, where Horniman Circle is now situated
52	Who was the father of the Trade Union Movement in India?	Abasaheb Garware	Narayan Meghaji Lokhande	Baburao Govindrao Shirke	Vivek Yeshwant Ranadive	Choice 2	Narayan Meghaji Lokhande (1848–1897) was the father of trade union movement in India.
53	Which institution has released operational guidelines on green bonds?	SEBI	RBI	NITI Aayog	IRDAI	Choice 1	Capital markets regulator Securities and Exchange Board of India (SEBI) on February 6 released operational guidelines for the issuance of green bonds in the country.
54	In terms of cotton production among the Indian states, the rank of Maharashtra is:	1st	2nd	3rd	4th	Choice 2	Maharashtra is the second-largest cotton-producing state in India, with a share of approximately 23% of the country's total cotton production. The state has a long history of cotton farming, and its major cotton-growing districts include Nagpur, Aurangabad, and Jalgaon. The state's climate and soil conditions are suitable for growing different varieties of cotton.
55	Rapid and unrestrained price increases in an economy, typically at rates exceeding 50% each month over time is known as:	Inflation	Hyperinflation	Shrinkflation	Depression	Choice 2	Hyperinflation refers to rapid and unrestrained price increases in an economy, typically at rates exceeding 50% each month over time.
56	First Masala Bond was issued in the year:	2000	2010	2014	2020	Choice 3	Masala bonds makes the investors bear the risk. The first Masala bond was issued by the World Bank-backed IFC in November 2014 when it raised 1,000 ₹10million bonds to fund infrastructure projects in India.
57	The first commercial nuclear power station built in India is located in:	Tarapur, Maharashtra	Narora, Uttar Pradesh	Kakrapar, Gujarat	Chennai, Tamil Nadu	Choice 1	Tarapur Atomic Power station is located in Tarapur, Maharashtra. It was the first commercial atomic power station of India commissioned on 28th October 1969
58	Revenue Expenditure of Maharashtra for 2023-24 has increased by how much percentage than in 2022-23?	0.1	0.03	0.07	0.15	Choice 2	Revenue expenditure for 2023-24 is proposed to be Rs 4,65,645 crore, an increase of 3% over the revised estimate of 2022-23. This includes the expenditure on salaries, pensions, interest, grants, and subsidies.
59	Capital Outlay for Maharashtra in 2023-24 has been proposed to be:	70,100 crore	75,001 crore	73,901 crore	77,701 crore	Choice 3	This includes the expenditure on salaries, pensions, interest, grants, and subsidies. Capital outlay for 2023-24 is proposed to be Rs 73,901 crore, an increase of 2% over the revised estimate of 2022-23. Capital outlay indicates the expenditure towards creation of assets.

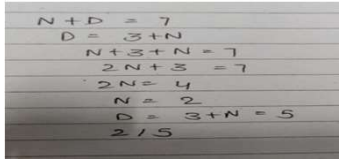
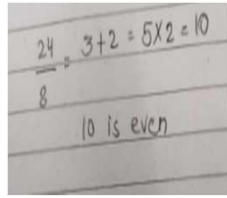
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60	Total revenue receipts for Maharashtra in 2023-24 has increased by:	1% of 2022-23	10% of 2022-23	15% of 2022-23	4% of 2022-23	Choice 4	Total revenue receipts for 2023-24 are estimated to be Rs 4,49,523 crore, an increase of 4% over the revised estimate of 2022-23. Of this, Rs 3,22,351 crore (72%) will be raised by the state through its own resources, and Rs 1,27,172 crore (28%) will come from the centre.
61	What is the SI unit of electric current?	Watt (W)	Volt (V)	Ohm (Ω)	Ampere (A)	Choice 4	The SI unit of current is ampere. Ampere is defined as the rate of electron flow through a conductor.
62	What is the law of conservation of energy?	Energy is constant in a closed system.	Energy can be created but not destroyed	Energy can be destroyed but not created.	Energy cannot be created nor destroyed, only transformed.	Choice 4	The law of conservation of energy states that energy can neither be created nor be destroyed. Although, it may be transformed from one form to another. If you take all forms of energy into account, the total energy of an isolated system always remains constant. All the forms of energy follow the law of conservation of energy.
63	What is the formula for acceleration?	$a=v.u/t$	$a=t/v-u$	$a=v+u/t$	$a = \Delta v/\Delta t$	Choice 4	Acceleration is the rate of change in velocity to the change in time. It is denoted by symbol a $\bar{a} = \frac{v - v_0}{t} = \frac{\Delta v}{\Delta t}$
64	What is the atomic number of carbon?	14	10	8	6	Choice 4	Carbon is a chemical element with the symbol C and atomic number 6.
65	What is the chemical formula for water?	O2	CO2	CH4	H2O	Choice 4	Water is a substance formed by two hydrogen atoms and one oxygen atom, so its chemical formula is H2O.
66	What is the function of roots in a plant?	Storage of food	Photosynthesis	Reproduction	Absorption of water and nutrients	Choice 4	They have three major jobs: absorbing water and minerals, anchoring and supporting the plant, and storing food. Absorbing water and minerals: Thin-walled epidermal cells and root hairs are well suited to absorb water and dissolved minerals from the soil.
67	Which type of animal belongs to the class Mammalia?	Snake	Frog	Crocodile	Dog	Choice 4	The domestic dog belongs to class Mammalia, which falls under phylum Chordata.
68	What is the largest mammal on Earth?	Polar Bear	Giraffe	African Elephant	Blue Whale	Choice 4	The blue whale is the largest mammal of all time, with the largest known specimen being 33.6 m (110.2 ft) long and the largest weighted specimen being 190 tonnes.
69	What is the process of shedding old feathers, hair, or skin to make way for new growth of any organism?	Hibernation	Metamorphosis	Camouflage	Molting	Choice 4	Moulting is when one organism sheds something like hair, feathers, shells, or skin to make way for new growth. The most common example is snakes or spiders. When a snake or spider grows its skin it simply leaves the old skin behind. Birds also molt.
70	What is the recommended duration for handwashing to effectively remove germs?	10 seconds	30 seconds	40 seconds	20 seconds	Choice 4	Lather the backs of your hands, between your fingers, and under your nails. Scrub your hands for at least 20 seconds.
71	What is the recommended distance for social distancing to prevent the spread of diseases?	0.3 meters	3 meters	0.6 meters	1 meters	Choice 4	Local authorities to have a dialogue with opinion leaders and religious leaders to regulate mass gatherings and should ensure no overcrowding/at least one metre distance between people.
72	What is the speed of light in a vacuum?	3×10^6 meters per second	3×10^4 meters per second	3×10^7 meters per second	3×10^8 meters per second	Choice 4	In a vacuum, light travels at a speed of 3×10^8 m / s .
73	Which process involves the movement of water through a plant from roots to leaves?	Absorption	Photosynthesis	Osmosis	Transpiration	Choice 4	Transpiration is the process of water movement through a plant and its evaporation from aerial parts, such as leaves, stems and flowers.

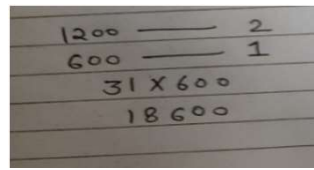

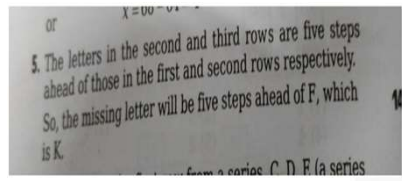
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74	The sum of a natural number and its square is 156. Find the number	13	14	12	15	Choice 3	<p>Suppose the natural number = x Its square x^2 $x + x^2 = 156$ $x^2 + x - 156 = 0$ $x^2 + 13x - 12x - 156 = 0$ $x(x + 13) - 12(x + 12) = 0$ $(x + 12)(x - 12)$ $x = 12$ $x = -13$ as $x = 12$</p>
75	The sum of a natural number and its positive square root is 132. Find the number	15	11	10	12	Bonus	
76	The product of two consecutive positive integers is 306. Find the integers	16 and 17	15 and 16	17 and 18	16 and 18	Choice 3	$17 \times 18 = 306$
77	The sum of two natural numbers is 9 and the reciprocal is $1/2$. Find the numbers	6 and 3	4 and 6	8 and 2	6 and 4	Choice 1	Let the required natural numbers be x and 9 - x. According to the given condition Hence the required natural numbers are 3 and 6.
78	Find two consecutive positive even integer whose product is 288.	16 and 18	14 and 16	12 and 18	14 and 18	Choice 1	Find the two consecutive positive even integers whose product is 288. Let the two consecutive positive even integers be x and $(x+2)$. Hence, the required integers are 16 and 18 .
79	The difference of two natural number is 5 and the difference of their reciprocal is $5/14$, Find the numbers	7 and 2	8 and 3	6 and 1	9 and 4	Choice 1	<p>$\Rightarrow x^2 + 5x - 14 = 0$ $\Rightarrow x^2 + (7 - 2)x - 14 = 0$ $\Rightarrow x^2 + 7x - 2x - 14 = 0$ $\Rightarrow x(x + 7) - 2(x + 7) = 0$ $\Rightarrow (x + 7)(x - 2) = 0$ Either $x + 7 = 0$ $\Rightarrow x = -7$ Not acceptable because -7 is not natural number Or, $x - 2 = 0 \Rightarrow x = 2$ So, the first number is 2 Other number = $x + 5 = 2 + 5 = 7$ so the numbers are 7 and 2</p>
80	Divide 57 into two parts whose product is 680	17 and 40	19 and 38	15 and 42	20 and 37	Choice 1	$17 \times 40 = 680$ $17 + 40 = 57$
81	Three consecutive positive integers are such that the sum of the square of the first and the product of the other two is 46. Find the integers	5,6,7	2,3,4	4,5,6	3,4,5	Choice 3	<p>Let the numbers are x,x+1,x+2. As per the question, $x^2 + (x + 1)(x + 2) = 46$ i.e. $2x^2 + 3x - 44 = 0$ Now, By applying quadratic formula, we get $x = -22/4, 4$. But x can't be negative. So, Numbers will be 4,5 and 6</p>

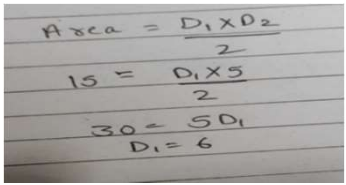
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82	The sum of numerator and denominator is 7. The denominator is 3 more than the numerator. Find the fraction	8/2.0	3/2.0	5/2.0	2/5.0	Choice 4	
83	The area of a right angle triangle is 96 square metre. If the base is three times the altitude, find the base.	6	8	7	4	Choice 2	<p>Area of a triangle = $\frac{1}{2} \times \text{Base} \times \text{Altitude}$</p> <p>$\therefore \frac{1}{2} \times 3x \times x = 96$ ($\because \text{Area} = 96 \text{sqm}$)</p> <p>$\Rightarrow \frac{x^2}{2} = 32$</p> <p>$\Rightarrow x^2 = 64$</p> <p>$\Rightarrow x = \pm 8$</p>
84	The perimeter of a rectangular plot is 60 m and its area is 200 sq metres. Find the dimensions of the plot.	20,30	20,40	10,20	30,40	Choice 3	<p>According to the question,</p> <p>Length \times Breadth = Area</p> <p>$\Rightarrow x(30 - x) = 200$</p> <p>$\Rightarrow 30x - x^2 = 200$</p> <p>$\Rightarrow x^2 - 30x + 200 = 0$</p> <p>$\Rightarrow x^2 - 10x - 20x + 200 = 0$</p> <p>$\Rightarrow x(x - 10) - 20(x - 10) = 0$</p> <p>$\Rightarrow (x - 10)(x - 20) = 0$</p> <p>$\Rightarrow x = 10, 20$</p> <p>For $x = 10$, $30 - x = 20$</p> <p>For $x = 20$, $30 - x = 10$</p> <p>Hence, the dimensions of the plot are 10 m and 20 m.</p>
85	In a college there are 45 girls and total of 80 students. Find the number of boys	25	45	35	55	Choice 3	80-45=35
86	If 24 is divided by 8 then 2 is added to it then multiplied by two. The number will be:	Negative	Odd	Even	Prime	Choice 3	

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87	A shoe factory manufactures 1200 shoes in two days. How many shoes will it manufacture in the month of march?	18200	18400	18000	18600	Choice 4	
88	A loan whose installment is due for more than 90 days is known as :	NPA (A non-performing asset)	Restructured loan	Bond	Finance loan	Choice 1	A non-performing asset (NPA) is a loan or an advance where interest and/or installment of principal remain overdue for a period of more than 90 days in respect of a term loan. Q. is a loan or advance wherein interest or installments of principal remain overdue for a period of 90 days.
89	What is Maharashtra's share in central taxes for 2023-24?	64,525 crore	60,000 crore	67,777 crore	70,891 crore	Bonus	
90	Maharashtra has allocated how much percentage of its total expenditure towards health in 2023-24?	0.102	0.036	0.005	0.081	Bonus	
91	What is the concept of "Inclusive Growth"?	Growth focused on technology and innovation	Economic growth that benefits all sections of society	Growth of a specific industry	Rapid growth of urban areas	Choice 2	Inclusive growth is economic growth that is distributed fairly across all sectors and creates opportunities for all.
92	Identify the wrong word in the sentence: No matter what that I do, I can't make her happy.	what	that	I	make	Choice 2	We need to remove the word 'that' from the above sentence in order to make the sentence grammatically correct. After removing the word, The sentence will be: No matter what I do, I can't make her happy.
93	Identify the wrong word in the sentence: She is busy at the work and won't be home before 10.30.	at	the	be	before	Choice 2	"He is busy at the work and won't be home before 12:30" and the answer is "He is busy at work and won't be home before 12:30."
94	Find the missing number 	K	N	O	P	Choice 1	
95	Which of the following sentences is correct? A) We are seeing with our eyes. B) The water feels cold. C) We smell with our nose.	Only A	Only B	Both B and C	Both A and C	Choice 3	A) We see with our eyes
96	Prime factors of 15015 are:	3, 5, 7, 11, 37	3, 5, 7, 11, 37, 24	3, 5, 7, 11, 13, 37	3, 5, 7, 11, 13.	Choice 4	15015 ÷ 3 = 5005 5005 ÷ 5 = 1001 1001 ÷ 7 = 143 143 ÷ 11 = 13 13 ÷ 13 = 1

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97	What is 5% of 5% of 200	0.25	0.05	0.5	25	Choice 3	$(5\% \text{ of } 5\%) \text{ of } 200 =$ 0.5
98	Volume of cuboid is:	$L*B*H$	$2/3(L*B*H)$	$2(L*B*H)$	$4/3(L*B*H)$	Choice 1	Volume of a cuboid = $l \times b \times h$ [cubic units] l = length. b = breadth. h = height.
99	Area of rhombus is 15 sq cm and the length of one diagonal is 5 cm. Find the length of other diagonal	6	8	5	12	Choice 1	
100	Volume of cube is 729. Surface area will be:	324	424	486	144	Choice 3	