

Government Polytechnic, Diglipur

Recruitment for the Post of Lab Technician (Computer) on Contractual Basis

Date of Examination: 19/08/2026

Exam Time: 10:00 AM - 12:00 PM

Exam Slot: A1

ANSWER KEY

#	Question	Answer Key	Remarks
1	Complete the continuous letter-cluster sequence: JAK, KBL, LCM, MDN, ? A) OEP B) NEO C) MEN D) PFQ	B	
2	Statements: - All Architects are Creative. - No Creative person is Boring. Conclusions: I. No Architect is Boring. II. Some Creative persons are Architects. A) Only conclusion I follows B) Only conclusion II follows C) Neither conclusion I nor II follows D) Both conclusions I and II follow	D	
3	A field researcher begins at Base Station Omega and travels 6 kilometres directly West. She then executes a precise 90-degree turn to her right and travels 8 kilometres. Finally, she executes another 90-degree turn to her right and walks 6 kilometres before stopping. What is her straight-line displacement distance and direction from Base Station Omega? A) 10 kilometres, North-West B) 8 kilometres, North C) 8 kilometres, South D) 14 kilometres, North-East	B	
4	Evaluate the following expression using the standard order of operations: $45 + 15 \div 3 - 2 \times 4$ A) 12 B) 34 C) 42 D) 72	C	
5	A delivery van carries four packages weighing 12 kg, 18 kg, 22 kg, and 28 kg. What is the average weight of these packages? A) 18 kg B) 20 kg C) 22 kg D) 25 kg	B	
6	Choose the unique number set that does not share the mathematical classification properties of the other groups. A) (13, 169, 1728) B) (11, 121, 1331) C) (7, 49, 343) D) (9, 81, 729)	A	
7	An office shuttle travels a total distance of 180 kilometres along a highway at a uniform speed. If it takes exactly 3 hours to reach its destination, what is the speed of the shuttle? A) 50 km/h B) 55 km/h C) 60 km/h D) 65 km/h	C	

8	Identify the term out of the given choices that is logically distinct from the other three terms in the group (Odd One Out). A) Depreciated B) Diminished C) Dwindled D) Dilated	D	
9	During a critical cross-departmental alignment briefing, a senior colleague repeatedly cuts you off, presenting your team's structural data as their own initiative. To demonstrate high social intelligence, what is your most strategic recourse? A) Interrupt them immediately to publicly demand recognition and correct the presentation slide. B) Stay silent during the meeting, but file a formal structural grievance with human resources immediately afterwards. C) Wait for them to finish, then smoothly build on their point by adding deep technical nuances of your data, establishing your team's distinct ownership naturally. D) Confront the colleague aggressively outside the conference room directly following the session to demand an apology.	C	
10	A small business owner borrows ₹10,000 from a local cooperative bank at a simple interest rate of 6% per annum. What is the total simple interest accrued over a period of 3 years? A) ₹600 B) ₹1,200 C) ₹1,800 D) ₹2,400	C	
11	How many independent meaningful English words can be formed by rearranging the letters of the word "EPRST", using each letter only once in each word? A) One B) Two C) Three D) None	C	
12	An IT security network features five data nodes connected as follows: Node A can send data only to Node B. Node B can send data to Node C and Node D. Node C can send data only to Node E. Node D can send data back to Node A. Node E does not send data. If a critical network error starts at Node D, which node is entirely safe from receiving the error? A) Node A B) Node B C) Node C D) None of the nodes	D	
13	Select the option that is related to the third number in the same way as the second number is related to the first number. (49 : 144 :: 121 : ?) A) 256 B) 324 C) 400 D) 484	B	
14	Statements: - All critical manufacturing operations are fully automated. - No fully automated operations suffer from human fatigue errors. Conclusions: - Critical manufacturing operations never suffer from human fatigue errors. - Non-critical manufacturing operations always suffer from human fatigue errors. A) Only conclusion I follows B) Only conclusion II follows C) Both conclusions I and II follow D) Neither conclusion I nor II follows	A	
15	Select the option that mirrors the exact relationship established in the initial pair: Seismograph : Earthquake :: Anemometer : _____ A) Solar Radiation B) Liquid Viscosity C) Wind Velocity D) Atmospheric Moisture	C	

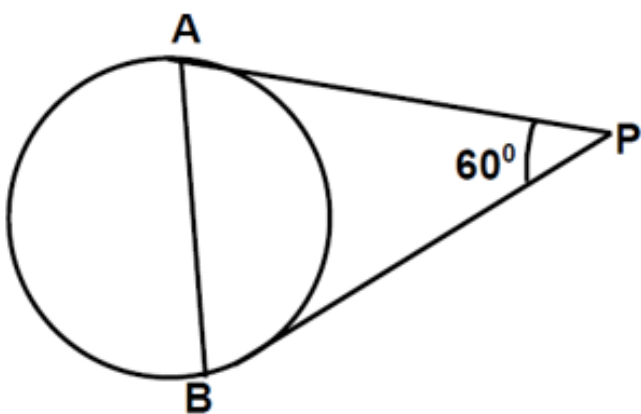
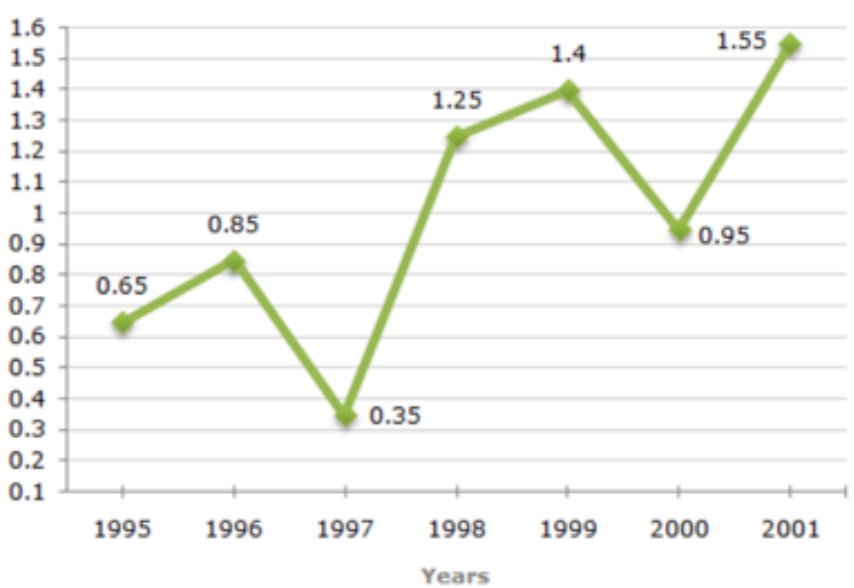
16	Statement: Should municipal governments completely ban personal vehicular traffic from dense historical city centers, replacing it with free public transit systems? Arguments: I. Yes, it drastically lowers local carbon emissions, halts structural degradation of historical architecture caused by vibrations, and creates safe urban spaces for commerce. II. No, it infringes on personal transport autonomy and threatens local retail businesses that rely heavily on affluent drive-in customers. A) Only argument I is strong B) Only argument II is strong C) Both arguments I and II are strong D) Neither argument I nor II is strong	C	
17	Which of the following numbers is completely divisible by 3 without leaving any mathematical remainder? A) 2,543 B) 4,712 C) 6,132 D) 8,015	C	
18	Five colleagues (A, B, C, D, and E) sit in a straight row facing North during a presentation. 'A' sits exactly to the immediate left of 'B'. 'C' sits halfway between 'D' and 'E'. If 'E' sits on the absolute right end of the row and 'B' sits to the immediate left of 'C', who occupies the absolute left end of the row? A) A B) B C) D D) E	C	
19	A visual matrix shows a line pattern that rotates 30° clockwise in each consecutive cell. If Cell 1 is at 0° (pointing North), Cell 2 is at 30°, Cell 3 is at 60°, and Cell 4 is at 90°, what must the pattern look like in Cell 6 to complete the trend? A) A line oriented at 120° B) A line oriented at 150° C) A line oriented at 180° (pointing South) D) A line oriented back at 0°	B	
20	Consider the following transformation pattern: A solid black circle inside a <u>large blank square</u> <u>changes</u> into a solid black square inside a large blank circle. Following this exact rule, what will a solid black triangle inside a large blank hexagon change into? A) A solid black hexagon inside a large blank triangle B) A solid black triangle inside a large blank square C) A solid black circle inside a large blank triangle D) A hollow triangle inside a solid black hexagon	A	
21	Which among the following has the highest Global Warming Potential (GWP)? A) Carbon dioxide B) Methane C) Nitrous oxide D) Sulphur hexafluoride	D	
22	The headquarters of the International Atomic Energy Agency (IAEA) is located in: A) Geneva B) Vienna C) Paris D) New York	B	
23	The Constitution of India came into force on: A) 26 January 1950 B) 15 August 1947 C) 26 November 1949 D) 2 October 1950	A	
24	Which planet is known as the Red Planet? A) Venus B) Saturn C) Jupiter D) Mars	D	

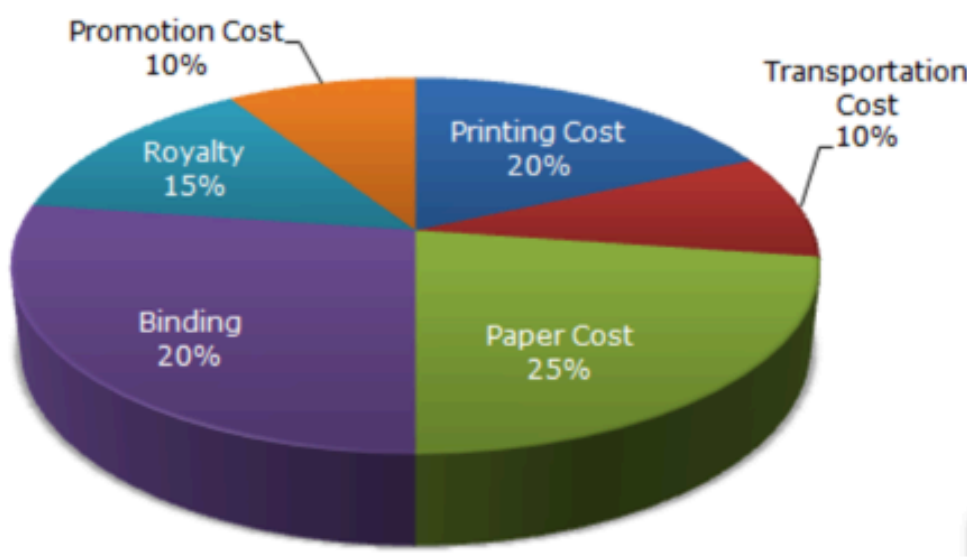
25	Which Schedule of the Constitution contains the list of States and Union Territories? A) First Schedule B) Second Schedule C) Fifth Schedule D) Seventh Schedule	A	
26	The Andaman and Nicobar Islands are separated by which channel? A) Duncan Passage B) Nine Degree Channel C) Ten Degree Channel D) Palk Strait	B	
27	The SI unit of force is: A) Newton B) Joule C) Watt D) Pascal	A	
28	Who is known as the Father of the Indian Constitution? A) Jawaharlal Nehru B) B.R. Ambedkar C) Rajendra Prasad D) Sardar Patel	B	
29	The Ramsar Convention is associated with: A) Biodiversity conservation B) Climate change C) Wetland conservation D) Desertification	C	
30	The term "Carbon Sink" refers to: A) A source of carbon emissions B) A process of extracting fossil fuels C) A natural or artificial reservoir that absorbs more carbon than it releases D) A carbon-based industrial product	C	
31	Which Viceroy of India was assassinated at Hope Town, Port Blair, in 1872? A) Lord Curzon B) Lord Mayo C) Lord Ripon D) Lord Dufferin	B	
32	Which organization publishes the World Economic Outlook Report? A) IMF B) WTO C) OECD D) UNCTAD	A	
33	The term "Blue Economy" mainly refers to: A) Mining resources B) Ocean-based sustainable economic development C) Banking reforms D) Digital economy	B	
34	Which committee recommended the establishment of Panchayati Raj Institutions? A) Sarkaria Committee B) Balwant Rai Mehta Committee C) Punchhi Commission D) Ashok Mehta Committee	B	

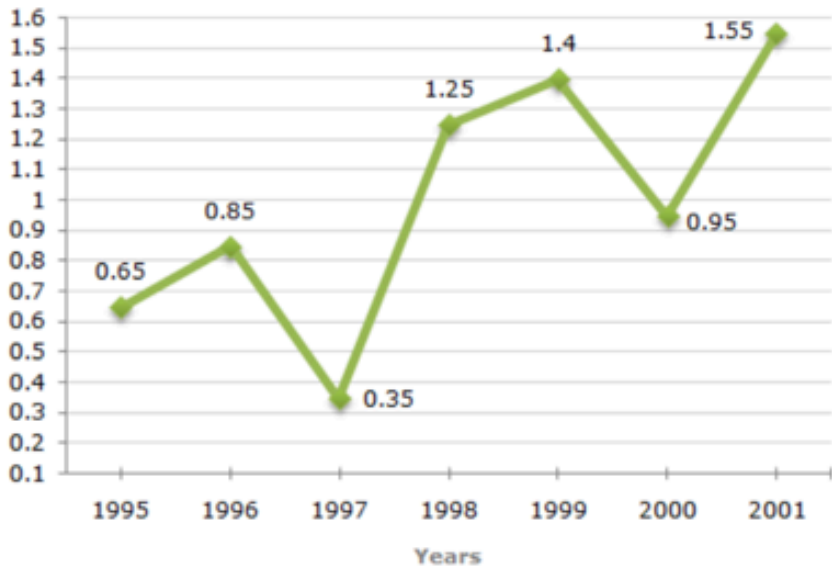
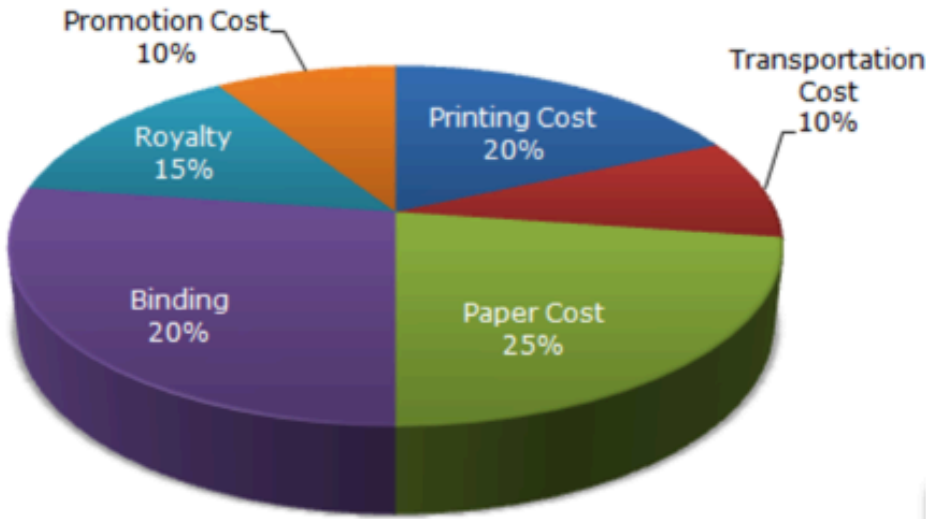
35	Which Article empowers the President of India to promulgate Ordinances? A) Article 123 B) Article 352 C) Article 356 D) Article 360	A	
36	The Fiscal Responsibility and Budget Management (FRBM) Act primarily aims to: A) Increase tax rates B) Control fiscal deficit C) Increase imports D) Privatize public sector enterprises	B	
37	Which among the following is not a greenhouse gas? A) Methane B) Nitrogen C) Nitrous Oxide D) Carbon Dioxide	B	
38	Which organization releases the Human Development Index (HDI)? A) World Bank B) UNDP C) IMF D) WHO	B	
39	The Global Hunger Index is jointly published by: A) FAO and UNESCO B) Concern Worldwide and Welthungerhilfe C) IMF and World Bank D) WHO and UNICEF	B	
40	Which Constitutional Amendment introduced the Goods and Services Tax (GST)? A) 99th Amendment B) 101st Amendment C) 102nd Amendment D) 104th Amendment	B	
41	Choose the correct word: The scientist made an important _____ in the field of medicine. A) discovery B) discover C) discovering D) discovered	A	
42	Fill in the blank: If you work hard, you _____ succeed. A) would B) will C) might have D) had	B	
43	Choose the antonym of "Indignant". A) Resentful B) Outraged C) Calm D) Offended	C	
44	Choose the meaning of the idiom "Break the ice". A) To start a conversation B) To damage something C) To end a relationship D) To create trouble	A	

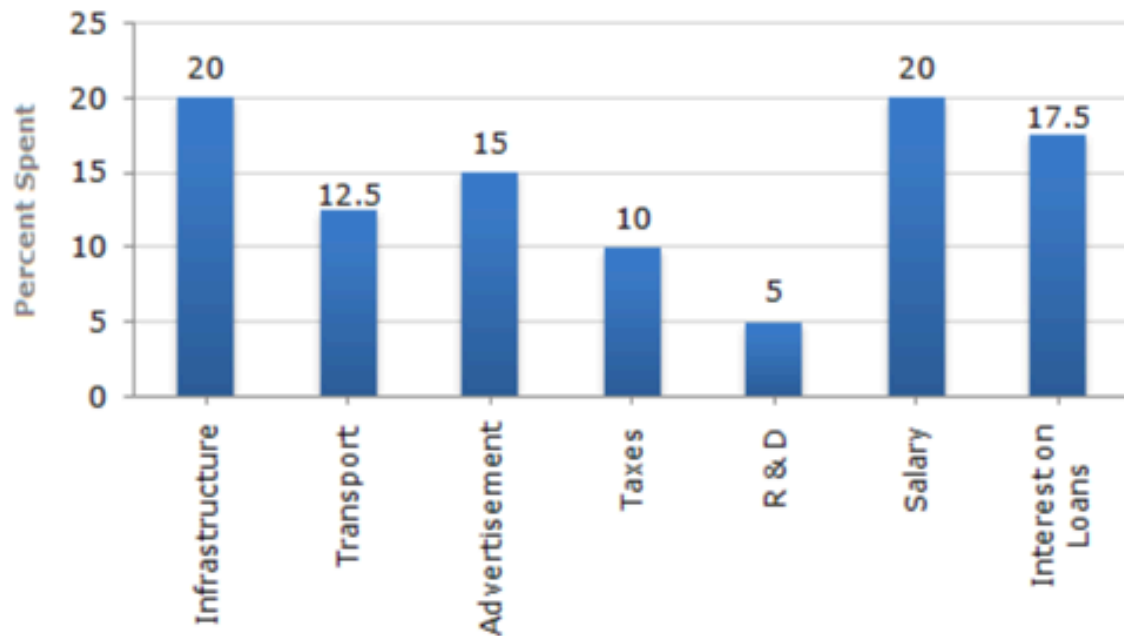
45	One-word substitution: " A person who studies fungi" A) Microbiologist B) Mycologist C) Botanist D) Virologist	B	
46	Fill in the blank: The report was submitted _____ the authority. A) from B) with C) to D) in	C	
47	Choose the synonym of "Diligent". A) Careless B) Hardworking C) Lazy D) Weak	B	
48	Read the passage and answer: <i>"A laboratory requires discipline, accuracy, and responsibility. Proper handling of equipment and following safety rules help prevent accidents. A skilled technician always maintains records carefully."</i> A skilled technician maintains: A) Records carefully B) Only equipment C) Personal opinions D) Unnecessary documents	A	
49	Meaning of idiom "Once in a blue moon": A) Regularly B) Rarely C) Quickly D) Immediately	B	
50	Choose the synonym of "Mammoth". A) wild B) greedy C) straight D) huge	D	
51	Arrange the sentences in meaningful order: P. The samples were collected carefully. Q. The results were analysed. R. The experiment was performed. S. The final report was prepared. A) R-P-Q-S B) P-R-S-Q C) Q-S-R-P D) S-Q-P-R	A	
52	Choose the antonym of "Ravenous". A) Sated B) Ascetic C) Swollen D) Pleased	A	
53	Improve the sentence: "She is good in handling instruments." A) She is good at handling instruments. B) She is good on handling instruments. C) She is good with handling instruments. D) She is good for handling instruments.	A	

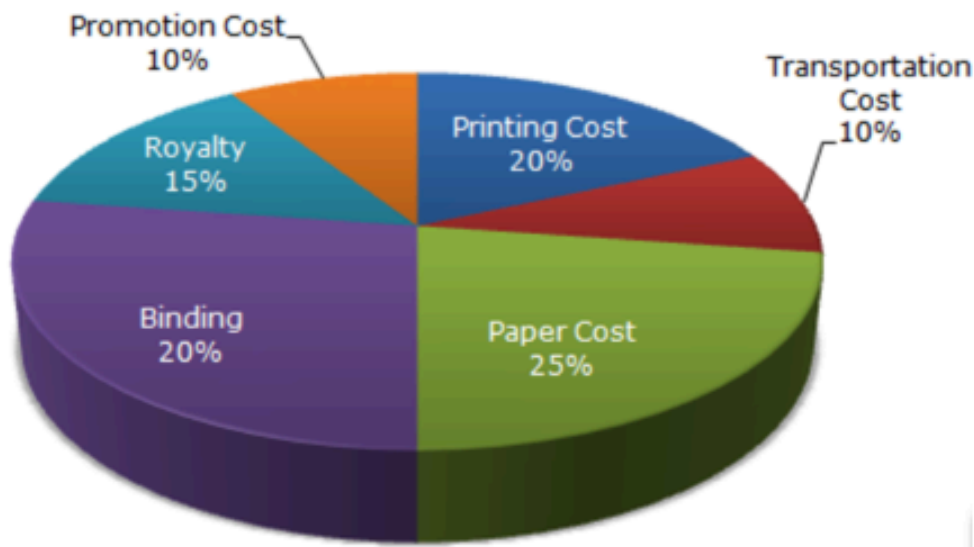
54	Choose the antonym of "Expand". A) Increase B) Stretch C) Contract D) Develop	C	
55	Cloze passage: "The laboratory was equipped _____ advanced instruments for research." A) at B) from C) by D) with	D	
56	One-word substitution: "One who cannot read or write" A) Intelligent B) Scholar C) Illiterate D) Educated	C	
57	Choose the correctly spelt word. A) Maintainence B) Maintanance C) Maintenance D) Maintenence	C	
58	Meaning of the idiom "gift of the gab": A) a person with fluency in speech B) Talent for giving expensive gifts C) Habit of talking loudly D) Skill in writing beautiful letters	A	
59	Choose the correctly spelt word. A) Laboratory B) Laboratary C) Labrotory D) Labaratory	A	
60	Choose the correct use of homonyms: A) The patient was weak after the week-long treatment. B) The patient was week after the weak treatment. C) The week patient completed the work. D) The weak was very long.	A	

61	In the above sided figure, PA and PB are tangents such that $PA = 9\text{cm}$ and $\angle APB = 60^\circ$.  Find the length of the chord AB. A. 4 cm B. 7 cm C. 6 cm D. 9 cm	D	
62	A truck covers a distance of 550 metres in one minute whereas a bus covers a distance of 33 kms in 45 minutes. The ratio of their speeds is A. 3:4 B. 4:3 C. 3:5 D. 50:3	A	
63	The following line graph gives the ratio of the amounts of imports by a company to the amount of exports from that company over the period from 1995 to 2001. Ratio of Value of imports to Exports by a Company over the Years.  If the imports in 1998 was Rs. 250 crores and the total exports in the years 1998 and 1999 together was Rs. 500 crores, then the imports in 1999 was? A. Rs. 250 crores B. Rs. 300 crores C. Rs. 357 crores D. Rs. 420 crores	D	
64	If $\triangle ABC$ is right angled at C, then the value of $\cos (A+B)$ is A. 0 B. 1 C. $\frac{1}{2}$ D. $\frac{\sqrt{3}}{2}$	A	

65	The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and the answer the questions based on it. Various Expenditures (in percentage) Incurred in Publishing a Book  If for a certain quantity of books, the publisher has to pay Rs. 30,600 as printing cost, then what will be amount of royalty to be paid for these books? A. Rs. 19,450 B. Rs. 21,200 C. Rs. 22,950 D. Rs. 26,150	C	
66	A vertical pole of length 20 m casts a shadow 10 m long on the ground and at the same time tower casts a shadow 50 m long, then the height of the tower. A. 100 m B. 120 m C. 25 m D. none of these	A	
67	Anand and Deepak started a business investing Rs. 22500/- and Rs. 35000/- respectively. Out of a total profit of Rs. 13800/- Deepak's share is A. Rs. 5400/- B. Rs. 7200/- C. Rs. 8400/- D. Rs. 9600/-	C	
68	The value of $(\sin 30^\circ + \cos 30^\circ) - (\sin 60^\circ + \cos 60^\circ)$ is A. -1 B. 0 C. 1 D. 2	B	
69	The ratio of the volumes of two spheres is 8: 27. The ratio between their surface areas is A. 2 : 3 B. 4 : 27 C. 8 : 9 D. 4 : 9	D	
70	If $\triangle ABC \sim \triangle QRP$, $\frac{ar(ABC)}{ar(PQR)} = \frac{9}{4}$, $AB = 18$ cm and $BC = 15$ cm, then PR is equal to A. 10 cm B. 12 cm C. $\frac{20}{3}$ cm D. 8 cm	A	

71	Which one of the following rational number is a non-terminating decimal expansion? A. $\frac{33}{50}$ B. $\frac{66}{180}$ C. $\frac{6}{15}$ D. $\frac{41}{1000}$	B	
72	What percentage of 7.2kg is 18gms? A. 0.025% B. 0.25% C. 2.5% D. 25%	D	
73	The following line graph gives the ratio of the amounts of imports by a company to the amount of exports from that company over the period from 1995 to 2001. Ratio of Value of imports to Exports by a Company over the Years.  The imports were minimum proportionate to the exports of the company in the year? A. 1995 B. 1996 C. 1997 D. 2000	C	
74	The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and the answer the questions based on it. Various Expenditures (in percentage) Incurred in Publishing a Book  The price of the book is marked 20% above the C.P. If the marked price of the book is Rs. 180, then what is the cost of the paper used in a single copy of the book? A. Rs. 36 B. Rs. 37.50 C. Rs. 42 D. Rs. 44.25	B	

75	The bar graph given below shows the percentage distribution of the total expenditures of a company under various expense heads during 2003. Percentage Distribution of Total Expenditure of a Company  What is the ratio of the total expenditure on infrastructure and transport to the total expenditure on taxes and interest on ? A. 5:4 B. 8:7 C. 9:7 D. 13:11	D																																																																					
76	What is the unit digit in the product $(3^{65} \times 6^{59} \times 7^{71})$? A. 1 B. 2 C. 4 D. 6	C																																																																					
77	The following table gives the percentage of marks obtained by seven students in six different subjects in an examination. The Numbers in the Brackets give the Maximum Marks in Each Subject. <table border="1" data-bbox="493 1748 1344 2329"><thead><tr><th rowspan="3">Student</th><th colspan="6">Subject (Max. Marks)</th></tr><tr><th> Maths</th><th> Chemistry</th><th> Physics</th><th>Geography</th><th>History</th><th>Computer Science</th></tr><tr><th>(150)</th><th>(130)</th><th>(120)</th><th>(100)</th><th>(60)</th><th>(40)</th></tr></thead><tbody><tr><td>Ayush</td><td>90</td><td>50</td><td>90</td><td>60</td><td>70</td><td>80</td></tr><tr><td>Aman</td><td>100</td><td>80</td><td>80</td><td>40</td><td>80</td><td>70</td></tr><tr><td>Sajal</td><td>90</td><td>60</td><td>70</td><td>70</td><td>90</td><td>70</td></tr><tr><td>Rohit</td><td>80</td><td>65</td><td>80</td><td>80</td><td>60</td><td>60</td></tr><tr><td>Muskan</td><td>80</td><td>65</td><td>85</td><td>95</td><td>50</td><td>90</td></tr><tr><td>Tanvi</td><td>70</td><td>75</td><td>65</td><td>85</td><td>40</td><td>60</td></tr><tr><td>Tarun</td><td>65</td><td>35</td><td>50</td><td>77</td><td>80</td><td>80</td></tr></tbody></table> What are the average marks obtained by all the seven students in Physics? (rounded off to two digit after decimal) A. 77.26 B. 89.14 C. 91.37 D. 96.11	Student	Subject (Max. Marks)						 Maths	 Chemistry	 Physics	Geography	History	Computer Science	(150)	(130)	(120)	(100)	(60)	(40)	Ayush	90	50	90	60	70	80	Aman	100	80	80	40	80	70	Sajal	90	60	70	70	90	70	Rohit	80	65	80	80	60	60	Muskan	80	65	85	95	50	90	Tanvi	70	75	65	85	40	60	Tarun	65	35	50	77	80	80	B	
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Sajal	90	60	70	70	90	70																																																																	
Rohit	80	65	80	80	60	60																																																																	
Muskan	80	65	85	95	50	90																																																																	
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78	A wire is looped in the form of a circle of radius 28 cm. It is rebent into a square form. Determine the length of the side of the square. A. 42 cm B. 44 cm C. 46 cm D. 48 cm	B	
79	TP and TQ are the two tangents to a circle with center O so that angle $\angle POQ = 130^\circ$. Find $\angle PTQ$. A. 50° B. 70° C. 80° D. None of these	A	
80	The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and the answer the questions based on it. Various Expenditures (in percentage) Incurred in Publishing a Book  What is the central angle of the sector corresponding to the expenditure incurred on Royalty? A. 15° B. 24° C. 54° D. 48°	C	
81	A company wants to extend the distance of an Ethernet cable beyond its normal limit. Which device should be used? A. Router B. Repeater C. Gateway D. Bridge	B	
82	Which feature of computers makes them suitable for weather forecasting? A. Large storage and high-speed processing B. Loud speakers C. Touchscreen display D. Small keyboard	A	

83	Which paradigm organizes software around reusable objects? A. Procedural Programming B. Object-Oriented Programming C. Assembly language Programming D. Structured Programming.	B	
84	Which command searches for a pattern in a text file? A. find B. grep C. locate D. search	B	
85	Which command displays the contents of a text file? A. cat B. cp C. pwd D. mkdir	A	
86	Which representation is easier for non-technical people to understand? A. Machine code B. Algorithm C. Flowchart D. Assembly language	C	
87	Which command deletes files in UNIX? A. del B. erase C. rm D. remove	C	
88	Which statement about a hub is TRUE? A. It learns MAC addresses. B. It forwards data intelligently. C. It broadcasts incoming data to all connected ports. D. It routes packets between different networks.	C	
89	Which property of an algorithm states that it must end after a finite number of steps? A. Definiteness B. Effectiveness C. Finiteness D. Input	C	

90	Which command displays the current working directory? A. cd B. pwd C. ls D. dir	B	
91	Why are programming paradigms important? A. They define how programmers design and implement solutions. B. They increase processor speed. C. They replace programming languages. D. They eliminate the need for algorithms.	A	
92	Which type of operating system is mainly used in network servers? A. Network Operating System (NOS) B. Batch OS C. Embedded OS D. Single-tasking OS	A	
93	Which protocol is generally preferred for real-time applications like video streaming? A. TCP B. UDP C. HTTP D. FTP	B	
94	Which component is directly installed on the CPU socket of the motherboard? A. RAM B. Hard Disk C. Processor D. Monitor	C	
95	Which operating system gives each user a small time slice of CPU? A. Batch OS B. Time-sharing OS C. Distributed OS D. Embedded OS	B	

96	Which command checks whether a remote host is reachable over the network? A. ping B. ssh C. netstat D. ftp	A	
97	The main purpose of network redundancy is to A. Increase electricity consumption B. Ensure continuous operation during failures C. Reduce storage capacity D. Slow down network traffic	B	
98	Which device can connect two LAN segments using MAC addresses? A. Bridge B. Router C. Gateway D. Repeater	A	
99	Which command displays information about currently running processes? A. ps B. cp C. pwd D. ls	A	
100	Which of the following is an example of a Single-user Multitasking Operating System? A. MS-DOS B. Windows 11 C. UNIX (Multi-user mode) D. Batch OS	B	