

Government Polytechnic, Diglipur

Recruitment for the Post of Lab Technician (Civil) 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	Statements: 1. All critical manufacturing operations are fully automated. 2. No fully automated operations suffer from human fatigue errors. Conclusions: I. Critical manufacturing operations never suffer from human fatigue errors. II. 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	
2	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	
3	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	
4	Statements: 1. All Architects are Creative. 2. 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	
5	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	
6	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	

7	A retailer purchases a desk organizer for ₹600 and sells it to a customer for ₹750. What is the retailer's profit percentage? A) 15% B) 20% C) 25% D) 30%	C	
8	If 6 data entry operators can type a specialized administrative report in 8 hours, how many hours will it take 4 operators to complete the exact same report working at the same speed? A) 10 hours B) 12 hours C) 14 hours D) 16 hours	B	
9	Choose the number pair that is distinct from the others in the given set (Odd Pair Out). A) (14 - 196) B) (16 - 256) C) (18 - 324) D) (22 - 464)	D	
10	The total number of employees in an office is 84. If the ratio of male employees to female employees is $\frac{5}{7}$, what is the exact number of female employees? A) 35 B) 44 C) 49 D) 56	C	
11	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	
12	Identify the single letter that can be removed from <u>all of</u> the following five words to form entirely new, grammatically correct English words in every single instance: FLIGHT, BRAND, STRAY, BLINK, CHAIR A) L B) R C) A D) I	B	
13	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	
14	Solve for the unknown variable x in the following linear equation: $3x + 14 = 35$ A) 5 B) 7 C) 9 D) 11	B	
15	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	

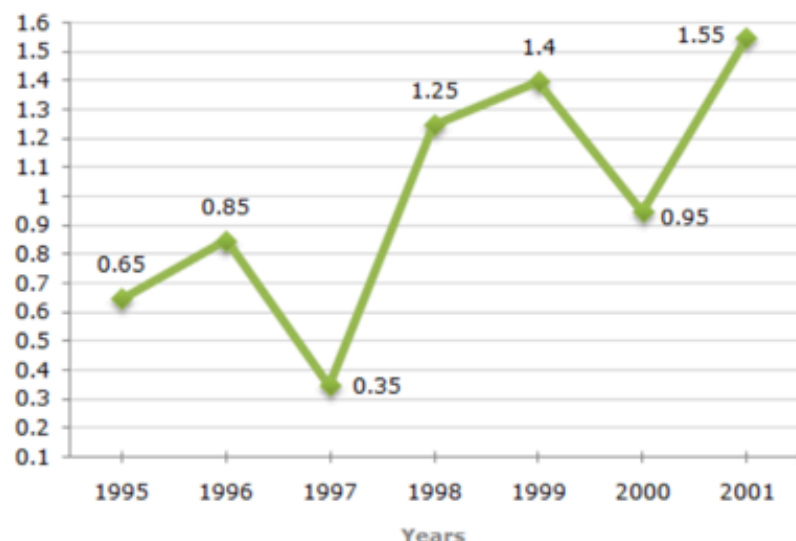
16	Select the option that is related to the third number in the same way as the second number is related to the first number. (49 : 144 :: 121 : ?) A) 256 B) 324 C) 400 D) 484	B	
17	In an international research facility, 50 scientists speak French, 40 speak German, and 30 speak Spanish. 15 speak both French and German, 10 speak both German and Spanish, and 12 speak both French and Spanish. If 5 scientists speak all three languages, how many total unique scientists are there in this group? A) 88 B) 93 C) 120 D) 135	A	
18	Choose the word out of the given options which is least like the other words in the group (Odd One Out). A) Epinephrine B) Cortisol C) Thyroxine D) Pepsin	D	
19	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	
20	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	
21	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	
22	The headquarters of the International Atomic Energy Agency (IAEA) is located in: A) Geneva B) Vienna C) Paris D) New York	B	
23	Which river is known as the 'Ganga of the South'? A) Krishna B) Kaveri C) Godavari D) Narmada	C	
24	Which organization releases the Human Development Index (HDI)? A) World Bank B) UNDP C) IMF D) WHO	B	
25	Which of the following rivers does not originate in India? A) Godavari B) Krishna C) Brahmaputra D) Mahanadi	C	

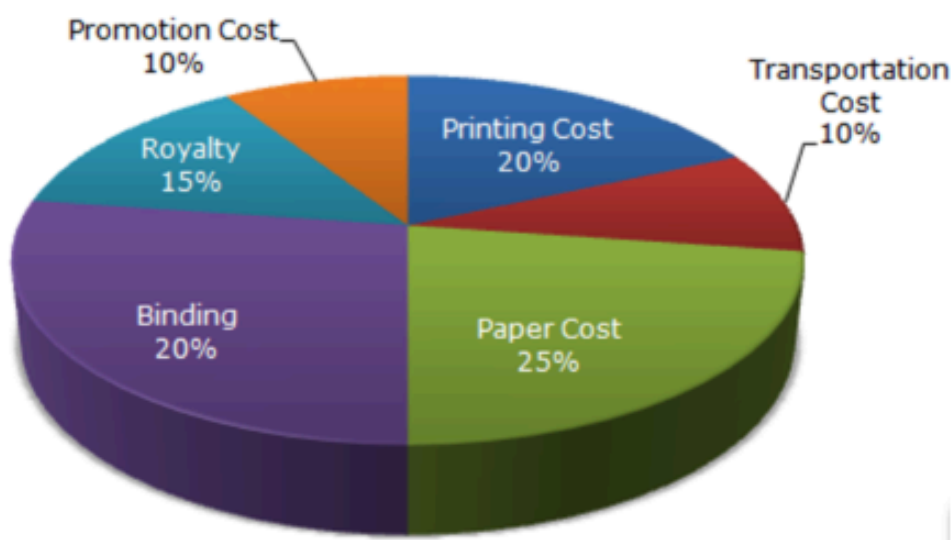
26	Which organization publishes the World Economic Outlook Report? A) IMF B) WTO C) OECD D) UNCTAD	A	
27	Which is the largest organ in the human body? A) Heart B) Brain C) Skin D) Liver	C	
28	Which Viceroy of India was assassinated at Hope Town, Port Blair, in 1872? A) Lord Curzon B) Lord Mayo C) Lord Ripon D) Lord Dufferin	B	
29	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	
30	Which gas is most abundant in Earth's atmosphere? A) Nitrogen B) Oxygen C) Carbon dioxide D) Hydrogen	A	
31	Which instrument is used to measure relative humidity? A) Barometer B) Hydrometer C) Hygrometer D) Lactometer	C	
32	The term "Judicial Review" in India has been borrowed from: A) United Kingdom B) Canada C) Australia D) United States of America	D	
33	The headquarters of the International Court of Justice is situated in: A) Geneva B) The Hague C) Brussels D) New York	B	
34	Which Constitutional Amendment introduced the Goods and Services Tax (GST)? A) 99th Amendment B) 101st Amendment C) 102nd Amendment D) 104th Amendment	B	
35	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	

36	Which Fundamental Right abolishes untouchability? A) Right to Equality B) Right to Freedom C) Right against Exploitation D) Cultural and Educational Rights	A	
37	Who wrote the National Anthem of India? A) Bankim Chandra Chattopadhyay B) Rabindranath Tagore C) Sarojini Naidu D) Subhas Chandra Bose	B	
38	The headquarters of the United Nations is located in: A) Geneva B) Paris C) Vienna D) New York	D	
39	Which Article of the Constitution provides for the establishment of the Finance Commission? A) Article 280 B) Article 324 C) Article 148 D) Article 368	A	
40	Which of the following indices is released by the World Economic Forum? A) Global Innovation Index B) Global Competitiveness Index C) Human Development Index D) Multidimensional Poverty Index	B	
41	Improve the sentence: "He discussed about the issue." A) He discussed on the issue. B) He discussed the issue. C) He discussed regarding the issue. D) He discussed about issue.	B	
42	Choose the correct sentence. A) She don't know the answer. B) She doesn't knows the answer. C) She not know the answer. D) She doesn't know the answer.	D	
43	One-word substitution: " A person who studies fungi" A) Microbiologist B) Mycologist C) Botanist D) Virologist	B	
44	Choose the correctly spelt word. A) Laboratory B) Laboratary C) Labrotory D) Labaratory	A	
45	Change into passive voice: "The students will complete the assignment." A) The assignment will be completed by the students. B) The assignment completed the students. C) The students will be completed by the assignment. D) The assignment was completed by students.	A	

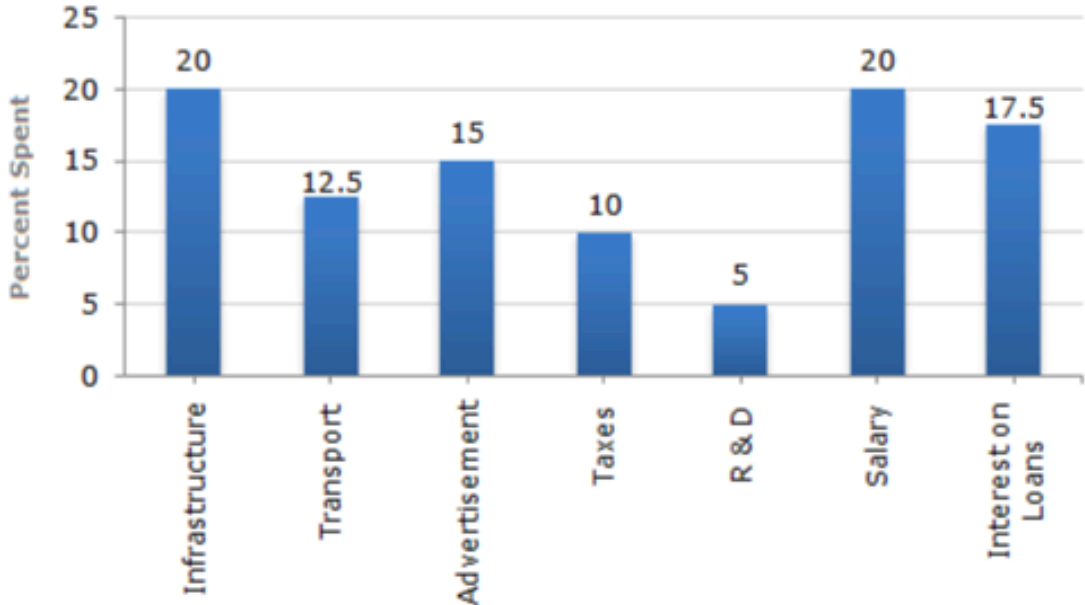
46	Change into indirect speech: He said, "I am preparing the report." A) He said that I am preparing the report. B) He said that he was preparing the report. C) He says that he was preparing the report. D) He said that he is preparing the report.	B	
47	Fill in the blank: The machine stopped working _____ a technical fault. A) due to B) because C) despite D) although	A	
48	Choose the synonym of "Appease". A) Soothe B) Aggravate C) Reject D) Disturb	A	
49	Choose the antonym of "Expand". A) Increase B) Stretch C) Contract D) Develop	C	
50	Choose the correctly spelt word. A) Maintainence B) Maintanance C) Maintenance D) Maintenance	C	
51	Meaning of idiom "Once in a blue moon": A) Regularly B) Rarely C) Quickly D) Immediately	B	
52	Choose the correct word: The scientist made an important _____ in the field of medicine. A) discovery B) discover C) discovering D) discovered	A	
53	Fill in the blank: The technician is responsible _____ maintaining laboratory records. A) for B) of C) with D) by	A	
54	Choose the antonym of "Scarce". A) Rare B) Limited C) Abundant D) Insufficient	C	
55	The laboratory assistant should handle chemicals with: A) Negligence B) Carelessness C) Caution D) Delay	C	

56	Fill in the blank: The report was submitted _____ the authority. A) from B) with C) to D) in	C	
57	Arrange the sentences: P. He applied for the post. Q. He attended the interview. R. He received the appointment letter. S. He was selected. A) Q-P-S-R B) P-Q-S-R C) S-R-P-Q D) R-S-Q-P	B	
58	Cloze passage: "The laboratory was equipped _____ advanced instruments for research." A) at B) from C) by D) with	D	
59	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	
60	One-word substitution: "One who cannot read or write" A) Intelligent B) Scholar C) Illiterate D) Educated	A	
61	If the HCF of two numbers is 1, then the two numbers are called A. composite B. relatively prime or co-prime C. perfect D. irrational numbers	B	
62	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	
63	A, B and C can complete a piece of work in 24, 6, and 12 days respectively. Working together, they will complete the same work in A. $\frac{1}{24}$ day B. $\frac{7}{24}$ day C. $3\frac{3}{7}$ days D. 4 days	C	

64	What percentage of 7.2kg is 18gms? A. 0.025% B. 0.25% C. 2.5% D. 25%	D																																																																					
65	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 of the company in 1996 was Rs. 272 crores, the exports from the company in 1996 was? A. Rs. 370 crores B. Rs. 320 crores C. Rs. 280 crores D. Rs. 275 crores	B																																																																					
66	Seats for Mathematics, Physics and Biology in a school are in the ratio 5:7:8. There is a proposal to increase these seats by 40%, 50% and 75% respectively. What will be the ratio of increased seats? A. 2:3:4 B. 6:7:8 C. 6:8:9 D. None of these	A																																																																					
67	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="485 1970 1362 2570"><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> The number of students who obtained 60% and above marks in all subjects is? A. 1 B. 2 C. 3 D. None	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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68	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	
69	In triangles ABC and DEF, $\angle B = \angle E$, $\angle F = \angle C$ and $AB = 3 DE$. Then, the two triangles are A. congruent but not similar B. similar but not congruent C. neither congruent nor similar D. congruent as well as similar	B	
70	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	
71	The areas of two similar triangles are in the ratio 4 : 9. The corresponding sides of these triangles are in the ratio A. 2 : 3 B. 4 : 9 C. 81 : 16 D. 16 : 81	A	
72	Find the length of tangent drawn to a circle with radius 7 cm from a point 25 cm away from the centre. A. 24 cm B. 27 cm C. 26 cm D. 25 cm	A	
73	The lengths of the diagonals of a rhombus are 16 cm and 12 cm. Then, the length of the side of the rhombus is A. 9 cm B. 10 cm C. 8 cm D. 20 cm	B	

74	The 10th term of the AP: 5, 8, 11, 14, <u> </u> is A. 32 B. 35 C. 38 D. 185	A																																																																					
75	The following table shows the number of Laptops sold by five different stores A-E during the five different months from January till May in the year 2025. Based on the data in the table, answer the questions that follow: Store-wise sale of Laptops <table><tr><th rowspan="2">Store</th><th colspan="5">Month</th></tr><tr><th>January</th><th>February</th><th>March</th><th>April</th><th>May</th></tr><tr><td>A</td><td>430</td><td>376</td><td>440</td><td>346</td><td>408</td></tr><tr><td>B</td><td>312</td><td>506</td><td>336</td><td>380</td><td>366</td></tr><tr><td>C</td><td>370</td><td>556</td><td>470</td><td>324</td><td>460</td></tr><tr><td>D</td><td>428</td><td>360</td><td>530</td><td>356</td><td>306</td></tr><tr><td>E</td><td>420</td><td>382</td><td>384</td><td>484</td><td>500</td></tr></table> What is the average number of Laptops sold by store C in February, March and April together? A. 390 B. 450 C. 480 D. 410	Store	Month					January	February	March	April	May	A	430	376	440	346	408	B	312	506	336	380	366	C	370	556	470	324	460	D	428	360	530	356	306	E	420	382	384	484	500	B																												
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77	If $x + y = 25$ and $xy = 20$, then find the value of $x^3 + y^3$. A. 13152 B. 13125 C. 14125 D. 14152	C																																																																					

78	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  The total amount of expenditures of the company is how many times of expenditure on research and development? A. 27 B. 20 C. 18 D. 8	B	
79	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	
80	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	
81	Soda-lime glass is also commonly known as: A. Commercial or soft glass B. Hard glass C. Quartz glass D. Bulletproof glass	A	
82	Hollow concrete blocks are primarily utilized in wall construction to offer: A. Higher structural dead weight B. Thermal insulation and reduced self-weight of the structure C. High water absorption D. Complete optical transparency	B	
83	Particle board is manufactured by compressing under heat and pressure: A. Solid timber planks B. Small wood particles, chips, and synthetic resin adhesive C. Paper pulp sheets D. Gypsum board core	B	
84	Manufactured sand (M-sand) used as artificial sand is produced by: A. Dredging river beds B. Crushing hard granite rock in specialized crushers C. Calcining limestone in kilns D. Washing marine sea sand	B	

85	Which type of soil exhibits high plasticity and significant swelling and shrinkage characteristics? A. Coarse Sand B. Fine Gravel C. Clay D. Silt	C	
86	The minimum compressive strength of a first-class brick should not be less than: A. 3.5 N/mm ² B. 7.0 N/mm ² C. 10.5 N/mm ² D. 15.0 N/mm ²	C	
87	<u>Mangalore</u> tiles are classified under which category of clay products? A. Concrete flooring tiles B. Roofing tiles C. Glazed wall tiles D. Pavement tiles	B	
88	The process of reducing moisture content from freshly felled timber to a suitable level is called: A. Dressing B. Seasoning C. Preserving D. Curing	B	
89	Granite is chemically classified as a/an: A. Silicious rock B. Argillaceous rock C. Calcareous rock D. Metamorphic rock	A	
90	Coarse aggregate for concrete is defined as aggregate retained on an IS sieve of size: A. 75 microns B. 2.36 mm C. 4.75 mm D. 10.0 mm	C	
91	Which type of glass contains a significant percentage of lead oxide, imparting high refractive index and clarity? A. Borosilicate glass B. Soda-lime glass C. Flint glass (Lead glass) D. Structural glass	C	
92	Which of the following laboratory tests is performed to determine the rate of wear of stones used in road construction? A. Crushing test B. Attrition test C. Impact test D. Hardness test	B	
93	Compared to natural river sand, manufactured sand (M-sand) generally offers the advantage of: A. Higher organic impurity content B. Complete absence of silt and controlled particle gradation C. Lower compressive strength in mortar D. Excessive clay content	B	

94	The quicklime obtained by burning pure limestone is commonly known as: A. Hydraulic lime B. Fat lime C. Poor lime D. Hydrated lime	B	
95	Bitumen is completely soluble in: A. Pure water B. Carbon disulphide C. Hydrochloric acid D. Nitric acid	B	
96	In the hand feeling field test for cement, when a hand is inserted deep into a fresh bag of cement, it should feel: A. Hot B. Cool C. Warm D. Rough	B	
97	Plywood is manufactured by bonding thin layers of wood (veneers) such that the grain direction of adjacent plies is positioned: A. Parallel to each other B. At right angles (90 degrees) to each other C. At 45 degrees to each other D. In a random orientation	B	
98	According to the Indian Standard particle size classification, silt particles have a size range between: A. 0.002 mm to 0.075 mm B. 0.075 mm to 4.75 mm C. Less than 0.002 mm D. 4.75 mm to 80 mm	A	
99	The frog of a brick is defined as a: A. Depression provided on the top face of the brick B. Crack appearing on the brick surface C. Beveled corner cut from the brick D. Smooth surface on the bottom face of the brick	A	
100	The innermost central core of a woody stem of a tree is known as: A. Heartwood B. Pith C. Cambium layer D. Sapwood	B	