

SET-“Y” (Total No. of printed pages : 19)

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU ARE ASKED TO DO SO)

PG-EE-July, 2026 (MCA/COMPUTER SCIENCE)

Code

A

Sr. No. 100137

Time : 1½ Hours

Total Questions : 100

Max. Marks : 100

Roll No. _____ (in figure) _____ (in words)

Name : _____ Father's Name : _____

Mother's Name : _____ Date of Examination : _____

(Signature of the candidate)

(Signature of the Invigilator)

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2. All questions are compulsory. There will be no negative marking. Each correct answer will be awarded one full mark.
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1.	If $A = 50, B = 40, A \cap B = 15$ then $A \cup B$ equals: (1) 75 (2) 85 (3) 90 (4) 105
2.	If A and B are independent events, $P(A)=0.6, P(B)=0.5$ Then $P(A \cap B)$ equals: (1) 0.11 (2) 0.30 (3) 0.50 (4) 1.10
3.	Which measure is least affected by extreme observations? (1) Mean (2) Median (3) Variance (4) Standard Deviation
4.	Kurtosis measures: (1) Central tendency (2) Dispersion (3) Peakedness of distribution (4) Correlation
5.	Let $A = \{1,2,3,4,5\}$. Number of relations on A is: (1) 2^{25} (2) 5^{55} (3) $25!$ (4) 2^5
6.	Which statement is TRUE? I. Every function is a relation. II. Every relation is a function. III. Every one-one function is onto. IV. Every onto function is one-one 1. I only 2. II only 3. III only 4. IV only

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7.	The general solution of $\sin x = 0$ is: (1) $x = n\pi$ (2) $x = 2n\pi$ (3) $x = (2n+1)\pi$ (4) $x = n\pi/2$
8.	In a positively skewed distribution: (1) Mean < Median (2) Mean = Median (3) Mean > Median (4) Mean = Mode
9.	The expected value of a fair die throw is: (1) 3 (2) 3.5 (3) 4 (4) 4.5
10.	The number of ways to choose a committee of 3 persons from 8 persons is: (1) 56 (2) 24 (3) 336 (4) 48
11.	If all roses are flowers and some flowers are red, then: (1) All roses are red (2) Some roses are red (3) No rose is red (4) Cannot be determined
12.	Statements: A. All engineers are graduates. B. Some graduates are researchers. Conclusion: (1) Some engineers are researchers. (2) All researchers are graduates. (3) Some graduates may be engineers. (4) No conclusion follows.

Question No.	Questions
13.	A company's revenue increased by 20% and then decreased by 20% Net change: (1) No change (2) 4% decrease (3) 4% increase (4) 2% decrease
14.	Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy? (1) Brother (2) Uncle (3) Cousin (4) Father
15.	If P \$ Q means P is the brother of Q; P # Q means P is the mother of Q; P* Q means P is the daughter of Q in A # B\$C * D, who is the father? (1) D (2) B (3) C (4) Data is inadequate
16.	One evening before sunset Rekha and Hema were talking to each other face to face. If Hema's shadow was exactly to the right of Hema, which direction was Rekha facing? (1) North (2) South (3) East (4) Data is inadequate
17.	Reena walked from A to B in the East 10 feet. Then she turned to the right and walked 3 feet. Again she turned to the right and walked 14 feet. How far is she from A? (1) 4 feet (2) 5 feet (3) 24 feet (4) 27 feet

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18.	Arrange the words given below in a meaningful sequence. I. Police II. Punishment III. Crime IV. Judge V. Judgement 1. III, I, II, IV, V 2. I, II, IV, III, V 3. V, IV, III, II, I 4. III, I, IV, V, II
19.	Which word does NOT belong with the others? (1) tulip (2) rose (3) bud (4) daisy
20.	Which word does NOT belong with the others? (1) book (2) index (3) glossary (4) chapter
21.	Find the word that names a necessary part of the underlined word. <u>swimming</u> (1) pool (2) bathing suit (3) water (4) life jacket
22.	Play is to actor as concert is to _____ (1) symphony. (2) musician. (3) piano. (4) percussion.
23.	DEPRESSED: SAD Find the pair that has a similar relationship. (1) neat: considerate (2) towering : cringing (3) rapid : plodding (4) exhausted : tired

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24.	In a certain code, KNOWLEDGE is written as LMPXMFEHF. How is WISDOM written? (1) XJTEPN (2) XJTEQN (3) XJTFFPN (4) XJTFFQM
25.	If 15 August 2025 is Friday, then 15 August 2026 will be: (1) Saturday (2) Sunday (3) Monday (4) Friday
26.	A clock shows 3:15. What is the angle between the hour and minute hands? (1) 0° (2) 7.5° (3) 15° (4) 22.5°
27.	If 15 workers complete a task in 20 days, how many days will 25 workers take? (1) 10 (2) 12 (3) 15 (4) 18
28.	Which of the following is multiple of 11 in the following numbers? (1) 112144 (2) 447355 (3) 869756 (4) 978626
29.	A number when divided by 5 leaves remainder 3. What is the remainder when the square of the number is divided by 5? (1) 1 (2) 2 (3) 3 (4) 4

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30.	A train running at 72 km/h crosses a tunnel in 42 seconds. If the length of the train is 210 meters, what is the length of the tunnel? (1) 350 m (2) 400 m (3) 600 m (4) 630 m
31.	10 34 12 31 14 28 16 ,..... which pair of numbers comes next? (1) 25 18 (2) 30 13 (3) 19 26 (4) 18 20
32.	Choose the missing terms out of the given alternatives: AB, DEF, HIJK, ?, STUVWX (1) LMNO (2) LMNOP (3) MNOPQ (4) QRSTU
33.	In the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative. _ bbca _ beca _ ac _ a _ cb (1) abeba (2) acbab (3) bacab (4) bcaajb
34.	After walking 6 km, I turned to the right and then walked 2 km. After then I turned to the left and walked 10 km. In the end, I was moving towards the North. From which direction did I start my journey? (1) North (2) South (3) East (4) West
35.	Which word does NOT belong with the others? (1) scythe (2) knife (3) pliers (4) saw

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36.	Some fruits are apples. Some apples are sweet. Conclusions: I. Some fruits are sweet. II. Some sweet things are apples Choose the conclusions which logically follow from the given statements. (1) Only I follows (2) Only II follows (3) Both follow (4) Neither follows
37.	Statement: "Use water carefully; every drop counts." Assumptions: I. Water is a limited resource. II. People may waste water. (1) Only Assumption I is implicit. (2) Only Assumption II is implicit. (3) Both assumptions are implicit. (4) Neither assumption is implicit.
38.	Statement: No door is dog. All the dogs are cats. Conclusions: I. No door is cat. II. No cat is door. III. Some cats are dogs. IV. All the cats are dogs. Choose the conclusions which logically follow from the given statements. (1) Only II and IV (2) Only I and III (3) Only III and IV (4) Only III
39.	Find the greatest number that will divide 43, 91 and 183 so as to leave the same remainder in each case. (1) 4 (2) 7 (3) 9 (4) 13
40.	A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets Rs. 1000 more than D, what is B's share? (1) Rs. 500 (2) Rs. 1500 (3) Rs. 2000 (4) None of these

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41.	Statement: Some kings are queens. All queens are beautiful. Conclusions: I. All kings are beautiful. II. All queens are kings. (1) Only conclusion I follows (2) Only conclusion II follows (3) Either I or II follows (4) Neither I nor II follows
42.	The product of two numbers is 432 and their HCF is 6. If one number is 18, the other number is: (1) 24 (2) 36 (3) 48 (4) 54
43.	Three bells ring at intervals of 12, 15 and 20 minutes. If they ring together at 8:00 AM, when will they ring together again? (1) 9:00 AM (2) 10:00 AM (3) 11:00 AM (4) 12:00 PM
44.	If every student in a class plays either Cricket or Football and 30 play Cricket, 25 play Football, and 10 Play both, how many students are there? (1) 45 (2) 50 (3) 55 (4) 65
45.	A is 9th from the top and B is 16th from the bottom in a class of 30 students. If A and B are the same person, what is the class strength? (1) 24 (2) 25 (3) 26 (4) 27

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46.	If today is Wednesday, what day will it be after 100 days? (1) Thursday (2) Friday (3) Saturday (4) Sunday
47.	A hall is 15 m long and 12 m broad. If the sum of the areas of the floor and the ceiling is equal to the sum of the areas of four walls, the volume of the hall is: (1) 720 (2) 900 (3) 1200 (4) 1800
48.	Choose the word that is a necessary part of the desert (1) cactus (2) arid (3) oasis (4) flat
49.	If Monday falls on 1 st January, what day will fall on 1 st March in a non-leap year? (1) Wednesday (2) Thursday (3) Friday (4) Saturday
50.	Choose the word that is a necessary part of a tree. (1) Leaves (2) Fruit (3) Roots (4) Flowers
51.	The binary equivalent of $7F_{16}$ is: (1) 01111111 (2) 11111111 (3) 11110000 (4) 01110000
52.	Which of the following is universal gate: (1) OR gate (2) AND gate (3) NOT gate (4) NAND gate

Question No.	Questions
53.	By applying De Morgan's theorem, the complement of the Boolean expression $AB+C$ is: (1) $A'+B'+C'$ (2) $(A'+B')C'$ (3) $(A'B')+C'$ (4) $A'+B'C'$
54.	Which register contains the address of the next instruction to be executed? (1) Instruction Register (IR) (2) Memory Address Register (MAR) (3) Program Counter (PC) (4) Accumulator (AC)
55.	Which addressing mode stores the operand within the instruction itself? (1) Direct Addressing (2) Immediate Addressing (3) Indirect Addressing (4) Indexed Addressing
56.	Which memory hierarchy arrangement is correct from fastest to slowest? (1) Cache $\rightarrow$ Registers $\rightarrow$ RAM $\rightarrow$ Disk (2) Registers $\rightarrow$ Cache $\rightarrow$ RAM $\rightarrow$ Disk (3) RAM $\rightarrow$ Cache $\rightarrow$ Registers $\rightarrow$ Disk (4) Registers $\rightarrow$ RAM $\rightarrow$ Cache $\rightarrow$ Disk
57.	Virtual memory is implemented using: (1) CPU Registers (2) Cache Memory (3) Secondary Storage (4) ROM

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Question No.	Questions
58.	A computer with a 20-bit address bus can address: (1) 1 MB memory locations (2) 2 MB memory locations (3) 4 MB memory locations (4) 64 KB memory locations
59.	If an instruction set contains 256 operations, the minimum opcode length required is: (1) 4 bits (2) 6 bits (3) 8 bits (4) 16 bits
60.	Which of the following decimal fractions has a terminating binary representation? (1) 0.1 (2) 0.2 (3) 0.25 (4) 0.3
61.	The largest unsigned decimal number represented by 12 bits is: (1) 2047 (2) 4095 (3) 8191 (4) 1023
62.	Which Boolean law is represented by $A+AB=AA+AB=AA+AB=A$? (1) Associative Law (2) Absorption Law (3) De Morgan's Law (4) Distributive Law
63.	The Boolean function that is always true is called: (1) Contradiction (2) Identity (3) Tautology (4) Negation
64.	If $A \subseteq B$, then: (1) $A \cap B = A$ (2) $A \cup B = A$ (3) $A=B$ always (4) $A \cap B = \emptyset$

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65.	In the Von Neumann architecture, instructions and data: (1) Are stored in separate memories (2) Share the same memory and bus system (3) Are processed by separate CPUs (4) Use different address spaces only
66.	Which I/O technique continuously checks device status until the device becomes ready? (1) DMA (2) Interrupt-driven I/O (3) Polling (4) Channel I/O
67.	Which I/O method provides the highest data transfer rate for large blocks of data? (1) Polling (2) Programmed I/O (3) Interrupt-driven I/O (4) Direct Memory Access (DMA)
68.	Which hardware mechanism reduces memory access latency by storing frequently used data? (1) DMA Controller (2) Cache Memory (3) Interrupt Vector Table (4) I/O Controller
69.	Which language is closest to machine language? (1) C++ (2) Python (3) Assembly Language (4) FORTRAN
70.	The primary disadvantage of Assembly Language is: (1) Lack of efficiency (2) Lack of hardware access (3) Poor portability across architectures (4) Inability to optimize code

Question No.	Questions
71.	The degree of multiprogramming refers to: (1) Number of CPUs in the system (2) Number of processes in memory simultaneously (3) Number of users connected (4) Number of interrupts generated
72.	In round robin scheduling, if the time quantum is too small, the system experiences: (1) Reduced context-switch overhead (2) Increased context-switch overhead (3) Elimination of interrupts (4) Higher throughput
73.	Which event causes a process to move from Running to Ready state in Round Robin scheduling? (1) Process completion (2) Time quantum expiration (3) Memory allocation (4) File deletion
74.	Which flowchart symbol is used to represent input/ output operations? (1) Rectangle (2) Diamond (3) Parallelogram (4) Circle
75.	Which notation is commonly used to describe algorithmic complexity? (1) ASCII Notation (2) Big-O Notation (3) Boolean Notation (4) Prefix Notation

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76.	Which operating system type guarantees response within a specified time limit? (1) Batch OS (2) Multiprogramming OS (3) Real-Time OS (4) Distributed OS
77.	Which of the following is NOT an operating system? (1) Linux (2) UNIX (3) Windows (4) Oracle
78.	An IPv4 address consists of: (1) 16 bits (2) 32 bits (3) 64 bits (4) 128 bits
79.	Which protocol provides secure communication over the web? (1) HTTP (2) FTP (3) HTTPS (4) Telnet
80.	POP3 stands for: (1) Post Office Protocol Version 3 (2) Public Office Processing Protocol (3) Post Operation Program Protocol (4) Packet Office Protocol
81.	Spam mail refers to: (1) Encrypted e-mail (2) Unsolicited bulk electronic messages (3) Official business communication (4) Secure file transfer

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82.	URL stands for: (1) Uniform Resource Locator (2) Universal Resource Link (3) Uniform Routing Locator (4) Universal Reference Locator
83.	Which tag is used to create a hyperlink? (1) <link> (2) <a> (3) <href> (4) <url>
84.	Which tag is used to create a line break? (1) <lb> (2) <break> (3)
 (4) <newline>
85.	What is the result of the binary addition $101101_2 + 110111_2$? (1) 1100100_2 (2) 1101000_2 (3) 1100101_2 (4) 1110100_2
86.	In sign-magnitude representation, the MSB represents: (1) Carry Bit (2) Magnitude (3) Sign Bit (4) Overflow Bit
87.	Which of the following decimal numbers cannot be represented in 8-bit two's complement? (1) -127 (2) 127 (3) -128 (4) 128
88.	In binary multiplication, multiplication by 2^n is equivalent to: (1) Right shift by n positions (2) Left shift by n positions (3) Complementing bits (4) Division by n

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89.	The implication $A \rightarrow B$ is false only when: (1) $A = 0, B = 0$ (2) $A = 1, B = 0$ (3) $A = 0, B = 1$ (4) $A = 1, B = 1$
90.	The dual of $A+0=A$ is: (1) $A.1 = A$ (2) $A+1 = A$ (3) $A.0 = A$ (4) $A+A = A$
91.	Choose the correct option: The committee arrived at _____ unanimous decision after _____ hour-long deliberation. (1) a, an (2) the, an (3) a, a (4) the, a
92.	Select the correct preposition: His success is attributable _____ his perseverance and dedication. (1) with (2) to (3) for (4) by
93.	Identify the grammatically correct sentence. (1) She has been suffering from fever since three days. (2) She has been suffering with fever for three days. (3) She has been suffering from fever for three days. (4) She has suffered from fever since three days.
94.	The phrase "to throw in the towel" means: (1) To start a new venture (2) To admit defeat (3) To celebrate success (4) To criticize openly

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95.	If a person is "sitting on the fence" , he is: (1) Physically resting (2) Avoiding a decision (3) Feeling proud (4) Taking a risk
96.	Choose the closest synonym of "Loquacious". (1) Silent (2) Talkative (3) Hesitant (4) Intelligent
97.	Choose the synonym of "Obdurate". (1) Flexible (2) Stubborn (3) Generous (4) Curious
98.	"Technology has transformed communication. While it enables instant connectivity across continents, critics argue that it has reduced the depth of human interaction. Proponents, however, maintain that technology merely changes the medium communication rather than diminishing its quality." The central idea of the passage is: (1) Technology has destroyed communication. (2) Technology has both supporters and critics regarding its impact on communication. (3) Human interaction no longer exists. (4) Technology should be banned.

Question No.	Questions
99.	Arrange the following sentences in a logical sequence: (P) Consequently, many species are threatened. (Q) Human activities have altered ecosystems significantly. (R) Conservation efforts have become increasingly important. (S) Biodiversity is essential for ecological balance. (1) SQPR (2) SQR P (3) QSP R (4) QPS R
100.	In the sentence below, what does the word "draconian" most nearly mean? The policy was criticized as draconian because it was: (1) Innovative (2) Excessively harsh (3) Ineffective (4) Ambiguous

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39.	If an instruction set contains 256 operations, the minimum opcode length required is: (1) 4 bits (2) 6 bits (3) 8 bits (4) 16 bits
40.	Which of the following decimal fractions has a terminating binary representation? (1) 0.1 (2) 0.2 (3) 0.25 (4) 0.3
41.	10 34 12 31 14 28 16 ,..... which pair of numbers comes next? (1) 25 18 (2) 30 13 (3) 19 26 (4) 18 20
42.	Choose the missing terms out of the given alternatives: AB, DEF, HIJK, ?, STUVWX (1) LMNO (2) LMNOP (3) MNOPQ (4) QRSTU
43.	In the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative. _bbca _beca _ac _a _cb (1) abeba (2) acbab (3) bacab (4) bcaajb

Question No.	Questions
44.	After walking 6 km, I turned to the right and then walked 2 km. After then I turned to the left and walked 10 km. In the end, I was moving towards the North. From which direction did I start my journey? (1) North (2) South (3) East (4) West
45.	Which word does NOT belong with the others? (1) scythe (2) knife (3) pliers (4) saw
46.	Some fruits are apples. Some apples are sweet. Conclusions: I. Some fruits are sweet. II. Some sweet things are apples Choose the conclusions which logically follow from the given statements. (1) Only I follows (2) Only II follows (3) Both follow (4) Neither follows
47.	Statement: "Use water carefully; every drop counts." Assumptions: I. Water is a limited resource. II. People may waste water. (1) Only Assumption I is implicit. (2) Only Assumption II is implicit. (3) Both assumptions are implicit. (4) Neither assumption is implicit.

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53.	DEPRESSED: SAD Find the pair that has a similar relationship. (1) neat: considerate (2) towering : cringing (3) rapid : plodding (4) exhausted : tired
54.	In a certain code, KNOWLEDGE is written as LMPXMFEHF. How is WISDOM written? (1) XJTEPN (2) XJTEQN (3) XJTFFPN (4) XJTFFQM
55.	If 15 August 2025 is Friday, then 15 August 2026 will be: (1) Saturday (2) Sunday (3) Monday (4) Friday
56.	A clock shows 3:15. What is the angle between the hour and minute hands? (1) 0° (2) 7.5° (3) 15° (4) 22.5°
57.	If 15 workers complete a task in 20 days, how many days will 25 workers take? (1) 10 (2) 12 (3) 15 (4) 18
58.	Which of the following is multiple of 11 in the following numbers? (1) 112144 (2) 447355 (3) 869756 (4) 978626
59.	A number when divided by 5 leaves remainder 3. What is the remainder when the square of the number is divided by 5? (1) 1 (2) 2 (3) 3 (4) 4

Question No.	Questions
60.	A train running at 72 km/h crosses a tunnel in 42 seconds. If the length of the train is 210 meters, what is the length of the tunnel? (1) 350 m (2) 400 m (3) 600 m (4) 630 m
61.	Statement: Some kings are queens. All queens are beautiful. Conclusions: I. All kings are beautiful. II. All queens are kings. (1) Only conclusion I follows (2) Only conclusion II follows (3) Either I or II follows (4) Neither I nor II follows
62.	The product of two numbers is 432 and their HCF is 6. If one number is 18, the other number is: (1) 24 (2) 36 (3) 48 (4) 54
63.	Three bells ring at intervals of 12, 15 and 20 minutes. If they ring together at 8:00 AM, when will they ring together again? (1) 9:00 AM (2) 10:00 AM (3) 11:00 AM (4) 12:00 PM
64.	If every student in a class plays either Cricket or Football and 30 play Cricket, 25 play Football, and 10 Play both, how many students are there? (1) 45 (2) 50 (3) 55 (4) 65

Question No.	Questions
65.	A is 9th from the top and B is 16th from the bottom in a class of 30 students. If A and B are the same person, what is the class strength? (1) 24 (2) 25 (3) 26 (4) 27
66.	If today is Wednesday, what day will it be after 100 days? (1) Thursday (2) Friday (3) Saturday (4) Sunday
67.	A hall is 15 m long and 12 m broad. If the sum of the areas of the floor and the ceiling is equal to the sum of the areas of four walls, the volume of the hall is: (1) 720 (2) 900 (3) 1200 (4) 1800
68.	Choose the word that is a necessary part of the desert (1) cactus (2) arid (3) oasis (4) flat
69.	If Monday falls on 1st January, what day will fall on 1st March in a non-leap year? (1) Wednesday (2) Thursday (3) Friday (4) Saturday
70.	Choose the word that is a necessary part of a tree. (1) Leaves (2) Fruit (3) Roots (4) Flowers
71.	The largest unsigned decimal number represented by 12 bits is: (1) 2047 (2) 4095 (3) 8191 (4) 1023

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72.	Which Boolean law is represented by $A+AB=AA+AB=A$? (1) Associative Law (2) Absorption Law (3) De Morgan's Law (4) Distributive Law
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74.	If $A \subseteq B$, then: (1) $A \cap B = A$ (2) $A \cup B = A$ (3) $A=B$ always (4) $A \cap B = \emptyset$
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77.	Which I/O method provides the highest data transfer rate for large blocks of data? (1) Polling (2) Programmed I/O (3) Interrupt-driven I/O (4) Direct Memory Access (DMA)

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83.	Which measure is least affected by extreme observations? (1) Mean (2) Median (3) Variance (4) Standard Deviation
84.	Kurtosis measures: (1) Central tendency (2) Dispersion (3) Peakedness of distribution (4) Correlation

Question No.	Questions
85.	Let $A = \{1, 2, 3, 4, 5\}$. Number of relations on A is: (1) 2^{25} (2) 5^{55} (3) $25!$ (4) 2^5
86.	Which statement is TRUE? I. Every function is a relation. II. Every relation is a function. III. Every one-one function is onto. IV. Every onto function is one-one 1. I only 2. II only 3. III only 4. IV only
87.	The general solution of $\sin x = 0$ is: (1) $x = n\pi$ (2) $x = 2n\pi$ (3) $x = (2n+1)\pi$ (4) $x = n\pi/2$
88.	In a positively skewed distribution: (1) Mean < Median (2) Mean = Median (3) Mean > Median (4) Mean = Mode
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91.	Spam mail refers to: (1) Encrypted e-mail (2) Unsolicited bulk electronic messages (3) Official business communication (4) Secure file transfer
92.	URL stands for: (1) Uniform Resource Locator (2) Universal Resource Link (3) Uniform Routing Locator (4) Universal Reference Locator
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SET-“Y” (Total No. of printed pages : 19)

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU ARE ASKED TO DO SO)

PG-EE-July, 2026
(MCA/COMPUTER SCIENCE)

Code **C**

Sr. No. 100139

Time : 1¼ Hours

Total Questions : 100

Max. Marks : 100

Roll No. _____ (in figure) _____ (in words)

Name : _____ Father's Name : _____

Mother's Name : _____ Date of Examination : _____

(Signature of the candidate)

(Signature of the Invigilator)

CANDIDATES MUST READ THE FOLLOWING INFORMATION/ INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER.

1. Before answering the questions, the candidates should ensure that they have been supplied correct and complete booklet. Discrepancy, if any, should be immediately reported to the invigilator and should ask for replacement of Question booklet/ OMR Answer Sheet. **Complaints, if any, regarding misprinting etc. will not be entertained 30 minutes after start of the examination.**
2. All questions are compulsory. There will be no negative marking. Each correct answer will be awarded one full mark.
3. For each question, four suggested answers (1), (2), (3), (4) are given. The candidate is to choose only one answer which he /she considers the correct or best one. If the candidate darkens more than one circle or cutting/overwriting/erasing, then such answer(s) shall not be evaluated.
4. The candidate **MUST NOT** do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the space provided in the end of question book-let. Answers **MUST NOT** be ticked in the Question book-let.
5. Use only Black or Blue **BALL POINT PEN** of good quality in the OMR Answer-Sheet.
6. Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by the candidate.
7. Question Booklet(s) along with answer key(s) of all the A, B, C, & D codes will be got uploaded on the university website after the conduct of Entrance Examination. Candidates may raise valid objection/complaint, if any, with regard to discrepancy in the question booklet/answer key within 24 hours of uploading the same on the University website. The complaint be sent by the student to the controller of Examinations by hand or through email. There after, no complaint in any case, will be considered.
8. The candidates must return the Question book-let as well as original OMR answer-sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfair-means / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.



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11.	Find the word that names a necessary part of the underlined word. <u>swimming</u> (1) pool (2) bathing suit (3) water (4) life jacket
12.	Play is to actor as concert is to (1) symphony. (2) musician. (3) piano. (4) percussion.

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30.	The number of ways to choose a committee of 3 persons from 8 persons is: (1) 56 (2) 24 (3) 336 (4) 48
31.	Choose the correct option: The committee arrived at _____ unanimous decision after _____ hour-long deliberation. (1) a, an (2) the, an (3) a, a (4) the, a

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32.	Select the correct preposition: His success is attributable _____ his perseverance and dedication. (1) with (2) to (3) for (4) by
33.	Identify the grammatically correct sentence. (1) She has been suffering from fever since three days. (2) She has been suffering with fever for three days. (3) She has been suffering from fever for three days. (4) She has suffered from fever since three days.
34.	The phrase "to throw in the towel" means: (1) To start a new venture (2) To admit defeat (3) To celebrate success (4) To criticize openly
35.	If a person is "sitting on the fence", he is: (1) Physically resting (2) Avoiding a decision (3) Feeling proud (4) Taking a risk
36.	Choose the closest synonym of "Loquacious". (1) Silent (2) Talkative (3) Hesitant (4) Intelligent
37.	Choose the synonym of "Obdurate". (1) Flexible (2) Stubborn (3) Generous (4) Curious

Question No.	Questions
38.	"Technology has transformed communication. While it enables instant connectivity across continents, critics argue that it has reduced the depth of human interaction. Proponents, however, maintain that technology merely changes the medium communication rather than diminishing its quality." The central idea of the passage is: (1) Technology has destroyed communication. (2) Technology has both supporters and critics regarding its impact on communication. (3) Human interaction no longer exists. (4) Technology should be banned.
39.	Arrange the following sentences in a logical sequence: (P) Consequently, many species are threatened. (Q) Human activities have altered ecosystems significantly. (R) Conservation efforts have become increasingly important. (S) Biodiversity is essential for ecological balance. (1) SQPR (2) SQR P (3) QSP R (4) QPS R
40.	In the sentence below, what does the word "draconian" most nearly mean? The policy was criticized as draconian because it was: (1) Innovative (2) Excessively harsh (3) Ineffective (4) Ambiguous

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59.	Find the greatest number that will divide 43, 91 and 183 so as to leave the same remainder in each case. (1) 4 (2) 7 (3) 9 (4) 13
60.	A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets Rs. 1000 more than D, what is B's share? (1) Rs. 500 (2) Rs. 1500 (3) Rs. 2000 (4) None of these
61.	The degree of multiprogramming refers to: (1) Number of CPUs in the system (2) Number of processes in memory simultaneously (3) Number of users connected (4) Number of interrupts generated
62.	In round robin scheduling, if the time quantum is too small, the system experiences: (1) Reduced context-switch overhead (2) Increased context-switch overhead (3) Elimination of interrupts (4) Higher throughput

Question No.	Questions
63.	Which event causes a process to move from Running to Ready state in Round Robin scheduling? (1) Process completion (2) Time quantum expiration (3) Memory allocation (4) File deletion
64.	Which flowchart symbol is used to represent input/ output operations? (1) Rectangle (2) Diamond (3) Parallelogram (4) Circle
65.	Which notation is commonly used to describe algorithmic complexity? (1) ASCII Notation (2) Big-O Notation (3) Boolean Notation (4) Prefix Notation
66.	Which operating system type guarantees response within a specified time limit? (1) Batch OS (2) Multiprogramming OS (3) Real-Time OS (4) Distributed OS
67.	Which of the following is NOT an operating system? (1) Linux (2) UNIX (3) Windows (4) Oracle
68.	An IPv4 address consists of: (1) 16 bits (2) 32 bits (3) 64 bits (4) 128 bits
69.	Which protocol provides secure communication over the web? (1) HTTP (2) FTP (3) HTTPS (4) Telnet

Question No.	Questions
70.	POP3 stands for: (1) Post Office Protocol Version 3 (2) Public Office Processing Protocol (3) Post Operation Program Protocol (4) Packet Office Protocol
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81.	If all roses are flowers and some flowers are red, then: (1) All roses are red (2) Some roses are red (3) No rose is red (4) Cannot be determined

Question No.	Questions
82.	Statements: A. All engineers are graduates. B. Some graduates are researchers. Conclusion: (1) Some engineers are researchers. (2) All researchers are graduates. (3) Some graduates may be engineers. (4) No conclusion follows.
83.	A company's revenue increased by 20% and then decreased by 20% Net change: (1) No change (2) 4% decrease (3) 4% increase (4) 2% decrease
84.	Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy? (1) Brother (2) Uncle (3) Cousin (4) Father
85.	If P \$ Q means P is the brother of Q; P # Q means P is the mother of Q; P* Q means P is the daughter of Q in A # B\$C * D, who is the father? (1) D (2) B (3) C (4) Data is inadequate

Question No.	Questions
86.	One evening before sunset Rekha and Hema were talking to each other face to face. If Hema's shadow was exactly to the right of Hema, which direction was Rekha facing? (1) North (2) South (3) East (4) Data is inadequate
87.	Reena walked from A to B in the East 10 feet. Then she turned to the right and walked 3 feet. Again she turned to the right and walked 14 feet. How far is she from A? (1) 4 feet (2) 5 feet (3) 24 feet (4) 27 feet
88.	Arrange the words given below in a meaningful sequence. I. Police II. Punishment III. Crime IV. Judge V. Judgement 1. III, I, II, IV, V 2. I, II, IV, III, V 3. V, IV, III, II, I 4. III, I, IV, V, II
89.	Which word does NOT belong with the others? (1) tulip (2) rose (3) bud (4) daisy
90.	Which word does NOT belong with the others? (1) book (2) index (3) glossary (4) chapter

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91.	The binary equivalent of $7F_{16}$ is: (1) 01111111 (2) 11111111 (3) 11110000 (4) 01110000
92.	Which of the following is universal gate: (1) OR gate (2) AND gate (3) NOT gate (4) NAND gate
93.	By applying De Morgan's theorem, the complement of the Boolean expression $AB+C$ is: (1) $A'+B'+C'$ (2) $(A'+B')C'$ (3) $(A'B')+C'$ (4) $A'+B'C'$
94.	Which register contains the address of the next instruction to be executed? (1) Instruction Register (IR) (2) Memory Address Register (MAR) (3) Program Counter (PC) (4) Accumulator (AC)
95.	Which addressing mode stores the operand within the instruction itself? (1) Direct Addressing (2) Immediate Addressing (3) Indirect Addressing (4) Indexed Addressing

(Computer Science) Code-C

Question No.	Questions
96.	Which memory hierarchy arrangement is correct from fastest to slowest? (1) Cache → Registers → RAM → Disk (2) Registers → Cache → RAM → Disk (3) RAM → Cache → Registers → Disk (4) Registers → RAM → Cache → Disk
97.	Virtual memory is implemented using: (1) CPU Registers (2) Cache Memory (3) Secondary Storage (4) ROM
98.	A computer with a 20-bit address bus can address: (1) 1 MB memory locations (2) 2 MB memory locations (3) 4 MB memory locations (4) 64 KB memory locations
99.	If an instruction set contains 256 operations, the minimum opcode length required is: (1) 4 bits (2) 6 bits (3) 8 bits (4) 16 bits
100.	Which of the following decimal fractions has a terminating binary representation? (1) 0.1 (2) 0.2 (3) 0.25 (4) 0.3

SET-“Y” (Total No. of printed pages : 19)

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU ARE ASKED TO DO SO)

PG-EE-July, 2026 (MCA/COMPUTER SCIENCE)

Code



Sr. No. 100160

Time : 1¼ Hours

Total Questions : 100

Max. Marks : 100

Roll No. _____ (in figure) _____ (in words)

Name : _____ Father's Name : _____

Mother's Name : _____ Date of Examination : _____

(Signature of the candidate)

(Signature of the Invigilator)

CANDIDATES MUST READ THE FOLLOWING INFORMATION/INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER.

1. Before answering the questions, the candidates should ensure that they have been supplied correct and complete booklet. Discrepancy, if any, should be immediately reported to the invigilator and should ask for replacement of Question booklet/ OMR Answer Sheet. **Complaints, if any, regarding misprinting etc. will not be entertained 30 minutes after start of the examination.**
2. All questions are compulsory. There will be no negative marking. Each correct answer will be awarded one full mark.
3. For each question, four suggested answers (1), (2), (3), (4) are given. The candidate is to choose only one answer which he /she considers the correct or best one. If the candidate darkens more than one circle or cutting/overwriting/erasing, then such answer(s) shall not be evaluated.
4. The candidate **MUST NOT** do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the space provided in the end of question book-let. Answers **MUST NOT** be ticked in the Question book-let.
5. Use only Black or Blue **BALL POINT PEN** of good quality in the OMR Answer-Sheet.
6. Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by the candidate.
7. Question Booklet(s) along with answer key(s) of all the A, B, C, & D codes will be got uploaded on the university website after the conduct of Entrance Examination. Candidates may raise valid objection/complaint, if any, with regard to discrepancy in the question booklet/answer key within 24 hours of uploading the same on the University website. The complaint be sent by the student to the controller of Examinations by hand or through email. There after, no complaint in any case, will be considered.
8. The candidates must return the Question book-let as well as original OMR answer-sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfair-means / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.



Question No.	Questions
1.	The degree of multiprogramming refers to: (1) Number of CPUs in the system (2) Number of processes in memory simultaneously (3) Number of users connected (4) Number of interrupts generated
2.	In round robin scheduling, if the time quantum is too small, the system experiences: (1) Reduced context-switch overhead (2) Increased context-switch overhead (3) Elimination of interrupts (4) Higher throughput
3.	Which event causes a process to move from Running to Ready state in Round Robin scheduling? (1) Process completion (2) Time quantum expiration (3) Memory allocation (4) File deletion
4.	Which flowchart symbol is used to represent input/ output operations? (1) Rectangle (2) Diamond (3) Parallelogram (4) Circle
5.	Which notation is commonly used to describe algorithmic complexity? (1) ASCII Notation (2) Big-O Notation (3) Boolean Notation (4) Prefix Notation

Question No.	Questions
6.	Which operating system type guarantees response within a specified time limit? (1) Batch OS (2) Multiprogramming OS (3) Real-Time OS (4) Distributed OS
7.	Which of the following is NOT an operating system? (1) Linux (2) UNIX (3) Windows (4) Oracle
8.	An IPv4 address consists of: (1) 16 bits (2) 32 bits (3) 64 bits (4) 128 bits
9.	Which protocol provides secure communication over the web? (1) HTTP (2) FTP (3) HTTPS (4) Telnet
10.	POP3 stands for: (1) Post Office Protocol Version 3 (2) Public Office Processing Protocol (3) Post Operation Program Protocol (4) Packet Office Protocol
11.	The binary equivalent of $7F_{16}$ is: (1) 01111111 (2) 11111111 (3) 11110000 (4) 01110000
12.	Which of the following is universal gate: (1) OR gate (2) AND gate (3) NOT gate (4) NAND gate

Question No.	Questions
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19.	If an instruction set contains 256 operations, the minimum opcode length required is: (1) 4 bits (2) 6 bits (3) 8 bits (4) 16 bits
20.	Which of the following decimal fractions has a terminating binary representation? (1) 0.1 (2) 0.2 (3) 0.25 (4) 0.3
21.	10 34 12 31 14 28 16 ,,,,,, which pair of numbers comes next? (1) 25 18 (2) 30 13 (3) 19 26 (4) 18 20
22.	Choose the missing terms out of the given alternatives: AB, DEF, HIJK, ?, STUVWX (1) LMNO (2) LMNOP (3) MNOPQ (4) QRSTU
23.	In the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative. _ bbcá _ beca _ ac _ a _ cb (1) abeba (2) acbab (3) bacab (4) bcaajb

Question No.	Questions
24.	After walking 6 km, I turned to the right and then walked 2 km. After then I turned to the left and walked 10 km. In the end, I was moving towards the North. From which direction did I start my journey? (1) North (2) South (3) East (4) West
25.	Which word does NOT belong with the others? (1) scythe (2) knife (3) pliers (4) saw
26.	Some fruits are apples. Some apples are sweet. Conclusions: I. Some fruits are sweet. II. Some sweet things are apples Choose the conclusions which logically follow from the given statements. (1) Only I follows (2) Only II follows (3) Both follow (4) Neither follows
27.	Statement: "Use water carefully; every drop counts." Assumptions: I. Water is a limited resource. II. People may waste water. (1) Only Assumption I is implicit. (2) Only Assumption II is implicit. (3) Both assumptions are implicit. (4) Neither assumption is implicit.

Question No.	Questions
28.	Statement: No door is dog. All the dogs are cats. Conclusions: I. No door is cat. II. No cat is door. III. Some cats are dogs. IV. All the cats are dogs. Choose the conclusions which logically follow from the given statements. (1) Only II and IV (2) Only I and III (3) Only III and IV (4) Only III
29.	Find the greatest number that will divide 43, 91 and 183 so as to leave the same remainder in each case. (1) 4 (2) 7 (3) 9 (4) 13
30.	A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets Rs. 1000 more than D, what is B's share? (1) Rs. 500 (2) Rs. 1500 (3) Rs. 2000 (4) None of these
31.	If all roses are flowers and some flowers are red, then: (1) All roses are red (2) Some roses are red (3) No rose is red (4) Cannot be determined
32.	Statements: A. All engineers are graduates. B. Some graduates are researchers. Conclusion: (1) Some engineers are researchers. (2) All researchers are graduates. (3) Some graduates may be engineers. (4) No conclusion follows.

Question No.	Questions
33.	A company's revenue increased by 20% and then decreased by 20% Net change: (1) No change (2) 4% decrease (3) 4% increase (4) 2% decrease
34.	Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy? (1) Brother (2) Uncle (3) Cousin (4) Father
35.	If P \$ Q means P is the brother of Q; P # Q means P is the mother of Q; P* Q means P is the daughter of Q in A # B\$C * D, who is the father? (1) D (2) B (3) C (4) Data is inadequate
36.	One evening before sunset Rekha and Hema were talking to each other face to face. If Hema's shadow was exactly to the right of Hema, which direction was Rekha facing? (1) North (2) South (3) East (4) Data is inadequate
37.	Reena walked from A to B in the East 10 feet. Then she turned to the right and walked 3 feet. Again she turned to the right and walked 14 feet. How far is she from A? (1) 4 feet (2) 5 feet (3) 24 feet (4) 27 feet

Question No.	Questions
38.	Arrange the words given below in a meaningful sequence. I. Police II. Punishment III. Crime IV. Judge V. Judgement 1. III, I, II, IV, V 2. I, II, IV, III, V 3. V, IV, III, II, I 4. III, I, IV, V, II
39.	Which word does NOT belong with the others? (1) tulip (2) rose (3) bud (4) daisy
40.	Which word does NOT belong with the others? (1) book (2) index (3) glossary (4) chapter
41.	Choose the correct option: The committee arrived at _____ unanimous decision after _____ hour-long deliberation. (1) a, an (2) the, an (3) a, a (4) the, a
42.	Select the correct preposition: His success is attributable _____ his perseverance and dedication. (1) with (2) to (3) for (4) by

Question No.	Questions
43.	Identify the grammatically correct sentence. (1) She has been suffering from fever since three days. (2) She has been suffering with fever for three days. (3) She has been suffering from fever for three days. (4) She has suffered from fever since three days.
44.	The phrase "to throw in the towel" means: (1) To start a new venture (2) To admit defeat (3) To celebrate success (4) To criticize openly
45.	If a person is "sitting on the fence" , he is: (1) Physically resting (2) Avoiding a decision (3) Feeling proud (4) Taking a risk
46.	Choose the closest synonym of "Loquacious". (1) Silent (2) Talkative (3) Hesitant (4) Intelligent
47.	Choose the synonym of "Obdurate". (1) Flexible (2) Stubborn (3) Generous (4) Curious
48.	"Technology has transformed communication. While it enables instant connectivity across continents, critics argue that it has reduced the depth of human interaction. Proponents, however, maintain that technology merely changes the medium communication rather than diminishing its quality." The central idea of the passage is: (1) Technology has destroyed communication. (2) Technology has both supporters and critics regarding its impact on communication. (3) Human interaction no longer exists. (4) Technology should be banned.

Question No.	Questions
49.	Arrange the following sentences in a logical sequence: (P) Consequently, many species are threatened. (Q) Human activities have altered ecosystems significantly. (R) Conservation efforts have become increasingly important. (S) Biodiversity is essential for ecological balance. (1) SQPR (2) SQRP (3) QSPR (4) QPSR
50.	In the sentence below, what does the word "draconian" most nearly mean? The policy was criticized as draconian because it was: (1) Innovative (2) Excessively harsh (3) Ineffective (4) Ambiguous
51.	The largest unsigned decimal number represented by 12 bits is: (1) 2047 (2) 4095 (3) 8191 (4) 1023
52.	Which Boolean law is represented by $A + AB = A + AB = A + AB = A$? (1) Associative Law (2) Absorption Law (3) De Morgan's Law (4) Distributive Law
53.	The Boolean function that is always true is called: (1) Contradiction (2) Identity (3) Tautology (4) Negation
54.	If $A \subseteq B$, then: (1) $A \cap B = A$ (2) $A \cup B = A$ (3) $A = B$ always (4) $A \cap B = \emptyset$

Question No.	Questions
55.	In the Von Neumann architecture, instructions and data: (1) Are stored in separate memories (2) Share the same memory and bus system (3) Are processed by separate CPUs (4) Use different address spaces only
56.	Which I/O technique continuously checks device status until the device becomes ready? (1) DMA (2) Interrupt-driven I/O (3) Polling (4) Channel I/O
57.	Which I/O method provides the highest data transfer rate for large blocks of data? (1) Polling (2) Programmed I/O (3) Interrupt-driven I/O (4) Direct Memory Access (DMA)
58.	Which hardware mechanism reduces memory access latency by storing frequently used data? (1) DMA Controller (2) Cache Memory (3) Interrupt Vector Table (4) I/O Controller
59.	Which language is closest to machine language? (1) C++ (2) Python (3) Assembly Language (4) FORTRAN

Question No.	Questions
60.	The primary disadvantage of Assembly Language is: (1) Lack of efficiency (2) Lack of hardware access (3) Poor portability across architectures (4) Inability to optimize code
61.	Spam mail refers to: (1) Encrypted e-mail (2) Unsolicited bulk electronic messages (3) Official business communication (4) Secure file transfer
62.	URL stands for: (1) Uniform Resource Locator (2) Universal Resource Link (3) Uniform Routing Locator (4) Universal Reference Locator
63.	Which tag is used to create a hyperlink? (1) <link> (2) <a> (3) <href> (4) <url>
64.	Which tag is used to create a line break? (1) <lb> (2) <break> (3)
 (4) <newline>
65.	What is the result of the binary addition $101101_2 + 110111_2$? (1) 1100100_2 (2) 1101000_2 (3) 1100101_2 (4) 1110100_2

Question No.	Questions
66.	In sign-magnitude representation, the MSB represents: (1) Carry Bit (2) Magnitude (3) Sign Bit (4) Overflow Bit
67.	Which of the following decimal numbers cannot be represented in 8-bit two's complement? (1) -127 (2) 127 (3) -128 (4) 128
68.	In binary multiplication, multiplication by 2^n is equivalent to: (1) Right shift by n positions (2) Left shift by n positions (3) Complementing bits (4) Division by n
69.	The implication $A \rightarrow B$ is false only when: (1) $A = 0, B = 0$ (2) $A = 1, B = 0$ (3) $A = 0, B = 1$ (4) $A = 1, B = 1$
70.	The dual of $A + 0 = A$ is: (1) $A \cdot 1 = A$ (2) $A + 1 = A$ (3) $A \cdot 0 = A$ (4) $A + A = A$
71.	Statement: Some kings are queens. All queens are beautiful. Conclusions: I. All kings are beautiful. II. All queens are kings. (1) Only conclusion I follows (2) Only conclusion II follows (3) Either I or II follows (4) Neither I nor II follows

Question No.	Questions
72.	The product of two numbers is 432 and their HCF is 6. If one number is 18, the other number is: (1) 24 (2) 36 (3) 48 (4) 54
73.	Three bells ring at intervals of 12, 15 and 20 minutes. If they ring together at 8:00 AM, when will they ring together again? (1) 9:00 AM (2) 10:00 AM (3) 11:00 AM (4) 12:00 PM
74.	If every student in a class plays either Cricket or Football and 30 play Cricket, 25 play Football, and 10 Play both, how many students are there? (1) 45 (2) 50 (3) 55 (4) 65
75.	A is 9th from the top and B is 16th from the bottom in a class of 30 students. If A and B are the same person, what is the class strength? (1) 24 (2) 25 (3) 26 (4) 27
76.	If today is Wednesday, what day will it be after 100 days? (1) Thursday (2) Friday (3) Saturday (4) Sunday
77.	A hall is 15 m long and 12 m broad. If the sum of the areas of the floor and the ceiling is equal to the sum of the areas of four walls, the volume of the hall is: (1) 720 (2) 900 (3) 1200 (4) 1800

Question No.	Questions
78.	Choose the word that is a necessary part of the desert (1) cactus (2) arid (3) oasis (4) flat
79.	If Monday falls on 1 st January, what day will fall on 1 st March in a non-leap year? (1) Wednesday (2) Thursday (3) Friday (4) Saturday
80.	Choose the word that is a necessary part of a tree. (1) Leaves (2) Fruit (3) Roots (4) Flowers
81.	Find the word that names a necessary part of the underlined word. <u>swimming</u> (1) pool (2) bathing suit (3) water (4) life jacket
82.	Play is to actor as concert is to (1) symphony. (2) musician. (3) piano. (4) percussion.
83.	DEPRESSED: SAD Find the pair that has a similar relationship. (1) neat: considerate (2) towering : cringing (3) rapid : plodding (4) exhausted : tired
84.	In a certain code, KNOWLEDGE is written as LMPXMF EHF. How is WISDOM written? (1) XJTEPN (2) XJTEQN (3) XJTFPN (4) XJT FQM

Question No.	Questions
85.	If 15 August 2025 is Friday, then 15 August 2026 will be: (1) Saturday (2) Sunday (3) Monday (4) Friday
86.	A clock shows 3:15. What is the angle between the hour and minute hands? (1) 0° (2) 7.5° (3) 15° (4) 22.5°
87.	If 15 workers complete a task in 20 days, how many days will 25 workers take? (1) 10 (2) 12 (3) 15 (4) 18
88.	Which of the following is multiple of 11 in the following numbers? (1) 112144 (2) 447355 (3) 869756 (4) 978626
89.	A number when divided by 5 leaves remainder 3. What is the remainder when the square of the number is divided by 5? (1) 1 (2) 2 (3) 3 (4) 4
90.	A train running at 72 km/h crosses a tunnel in 42 seconds. If the length of the train is 210 meters, what is the length of the tunnel? (1) 350 m (2) 400 m (3) 600 m (4) 630 m

Question No.	Questions
91.	If $A = 50, B = 40, A \cap B = 15$ then $A \cup B$ equals: (1) 75 (2) 85 (3) 90 (4) 105
92.	If A and B are independent events, $P(A)=0.6, P(B)=0.5$ Then $P(A \cap B)$ equals: (1) 0.11 (2) 0.30 (3) 0.50 (4) 1.10
93.	Which measure is least affected by extreme observations? (1) Mean (2) Median (3) Variance (4) Standard Deviation
94.	Kurtosis measures: (1) Central tendency (2) Dispersion (3) Peakedness of distribution (4) Correlation
95.	Let $A = \{1, 2, 3, 4, 5\}$. Number of relations on A is: (1) 2^{25} (2) 5^{55} (3) $25!$ (4) 2^5
96.	Which statement is TRUE? I. Every function is a relation. II. Every relation is a function. III. Every one-one function is onto. IV. Every onto function is one-one 1. I only 2. II only 3. III only 4. IV only

Question No.	Questions
97.	The general solution of $\sin x = 0$ is: (1) $x = n\pi$ (2) $x = 2n\pi$ (3) $x = (2n+1)\pi$ (4) $x = n\pi/2$
98.	In a positively skewed distribution: (1) Mean < Median (2) Mean = Median (3) Mean > Median (4) Mean = Mode
99.	The expected value of a fair die throw is: (1) 3 (2) 3.5 (3) 4 (4) 4.5
100.	The number of ways to choose a committee of 3 persons from 8 persons is: (1) 56 (2) 24 (3) 336 (4) 48

Answer key of MCA/M.Sc. Computer Science/M.Sc. In Computer Science (Data Science and Machine Learning) entrance exam dated 17.07.2026

Q. NO.	A	B	C	D
1	2	4	4	2
2	2	3	1	2
3	2	2	1	2
4	3	4	1	3
5	4	4	1	2
6	1	1	2	3
7	1	2	4	4
8	3	4	2	2
9	2	3	2	3
10	1	1	3	1
11	4	1	3	1
12	3	2	2	4
13	2	3	4	2
14	4	2	1	3
15	4	2	1	2
16	1	2	2	2
17	2	2	2	3
18	4	2	2	1
19	3	1	4	3
20	1	2	4	3
21	3	2	2	1
22	2	2	2	2
23	4	2	2	3
24	1	3	3	4
25	1	2	4	3
26	2	3	1	2
27	2	4	1	3
28	2	2	3	4
29	4	3	2	1
30	4	1	1	3
31	1	1	1	4
32	2	4	2	3
33	3	2	3	2
34	4	3	2	4
35	3	2	2	4
36	2	2	2	1
37	3	3	2	2
38	4	1	2	4
39	1	3	1	3
40	3	3	2	1
41	4	1	2	1
42	1	2	2	2
43	1	3	3	3
44	1	4	1	2
45	1	3	2	2
46	2	2	3	2
47	4	3	4	2
48	2	4	2	2
49	2	1	3	1
50	3	3	3	2

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Q. NO.	A	B	C	D
51	1	3	1	2
52	4	2	2	2
53	2	4	3	3
54	3	1	4	1
55	2	1	3	2
56	2	2	2	3
57	3	2	3	4
58	1	2	4	2
59	3	4	1	3
60	3	4	3	3
61	2	4	2	2
62	2	1	2	1
63	3	1	2	2
64	1	1	3	3
65	2	1	2	1
66	3	2	3	3
67	4	4	4	4
68	2	2	2	2
69	3	2	3	2
70	3	3	1	1
71	2	2	2	4
72	2	2	1	1
73	2	3	2	1
74	3	1	3	1
75	2	2	1	1
76	3	3	3	2
77	4	4	4	4
78	2	2	2	2
79	3	3	2	2
80	1	3	1	3
81	2	2	4	3
82	1	2	3	2
83	2	2	2	4
84	3	3	4	1
85	1	4	4	1
86	3	1	1	2
87	4	1	2	2
88	2	3	4	2
89	2	2	3	4
90	1	1	1	4
91	1	2	1	2
92	2	1	4	2
93	3	2	2	2
94	2	3	3	3
95	2	1	2	4
96	2	3	2	1
97	2	4	3	1
98	2	2	1	3
99	1	2	3	2
100	2	1	3	1