Subject Code : 621 Section Code : -Select- Difficulty: 1

Subject Code	Q Id	Questions	Answer Key
621	4351	Rank of the matrix A = $\begin{pmatrix} 0 & 0 & 0 & 0 \\ 4 & 2 & 3 & 0 \\ 1 & 0 & 0 & 0 \\ 4 & 0 & 3 & 0 \end{pmatrix}$ (A) 0 (B) 1 (C) 2 (D) 3	(D)
621	4352	Eigen values of a square symmetric matrix are always (A) Positive (B) Real and imaginary (C) Real (D) Negative	(C)
621	4353	Sum of three prime numbers is 100. If one of them exceeds another by 36, then one of the numbers is (A) 7 (B) 29 (C) 41 (D) 67	(D)
621	4354	Newton-Raphson method is applicable to the solution of (A) Both algebraic and transcendental Equations (B) Both algebraic and transcendental and also used when the roots are complex (C) Algebraic equations only (D) Transcendental equations only	(A)
621	4355	The area enclosed between the straight line y = x and the parabola y = x 2 in the x -y plane is (A) 1 / 6 (B) 1 / 4 (C) . 1 / 3 (D) 1 / 2	(A)
621	4356	A box contains 4 red balls and 6 black balls. Three balls are selected randomly from the box one after another, without replacement. The probability that the selected set contains one red ball and two black balls is (A) 1 / 20 (B) 1 / 12 (C) 3 / 10 (D) 1 / 2	(D)

621	4357	The product of two complex numbers 1 + i and 2 − 5 i is (A) 7 − 3 i (B) 3 − 4 i (C) − 3 − 4 i (D) 7 + 3 i	(A)
621	4358	The inverse Laplace transform of $1 / (s^2 + s)$ is (A) $1 - e^t$ (B) $1 + e^t$ (C) $1 - e^{-t}$ (D) $1 + e^{-t}$	(C)
621	4359	The standard deviation of a uniformly distributed random variable between 0 and 1 is (A) 1/√12 (B) 1/ √3 (C) 5/ √12 (D) 7/√12	(A)
621	4360	Stokes theorem connects (A) a line integral and a surface integral (B) a surface integral and a volume integral (C) a line integral and a volume integral (D) gradient of a function and its surface integral	(A)
621	4361	The mean of the numbers *a*, *b*, 8, 5, 10 is 6 and the variance is 6.80. Then which one of the following gives possible values of *a* and *b*? (A) $a = 0, b = 7$ (B) $a = 5, b = 2$ (C) $a = 3, b = 4$ (D) $a = 2, b = 4$	(C)
621	4362	If (1 – p) is a root of quadratic equation x2 + px + (1-p) = 0 , then its roots are (A) 0, 1 (B) -1, 2 (C) 0, -1 (D) -1, 1	(C)
621	4363	At an election, where there are two candidates only, a candidate who gets 43 per cent of the votes is rejected by a majority of 420 votes. Then total number of votes recorded assuming that there was no void vote is (A) 3200 (B) . 3000 (C) 2800 (D) 2700	(B)
621	4364	Three bachelors, A ,B and C rented a house for a year.. But, A left after 4 months, B stayed for 8 months and	(A)

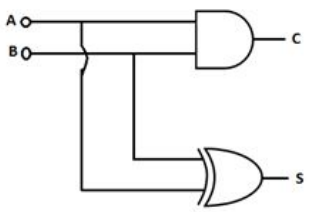
		only C stayed for the entire year. If the annual rent was Rs.6000, then share of A is (A) 1000 (B) 2000 (C) 3000 (D) 4000	
621	4365	If Logx (1 / 8) = - 3 / 2, then x is equal to (A) -4 (B) 4 (C) 1/4 (D) 10	(B)
621	4366	The exam scores of all 500 students were recorded and it was determined that these scores were normally distributed. If Jane's score is 0.8 standard deviation above the mean, then how many, to the nearest unit, students scored above Jane? (A) 394 (B) 250 (C) 400 (D) 106	(D)
621	4367	The probability that an electronic device produced by a company does not function properly is equal to 0.1. If 10 devices are bought, then the probability, to the nearest thousandth, that 7 devices function properly is (A) 0.057 (B) 0.478 (C) 0.001 (D) 0	(A)
621	4368	The expression 3 + 4i is a complex number. Compute its absolute value (A) 4 (B) 5 (C) 6 (D) 7	(B)
621	4369	Given the equations: x + y + z = 2, 3x – y – 2z = 4, 5x – 2y + 3z = -7. Solve for y by determinants. (A) 1 (B) -2 (C) 3 (D) 0	(C)
621	4370	Five horses are in a race. Mr. A selects two of the horses at random and bets on them. The probability that Mr. A selected the winning horse is (A) 4/5 (B) 3/5 (C) 2/5 (D) 1/5	(C)
621	4371	Let two numbers have arithmetic mean 9 and geometric mean 4. Then these numbers are the roots of the	(D)

		quadratic equation (A) $x^2 + 18x + 16 = 0$ (B) $x^2 - 18x - 16 = 0$ (C) $x^2 + 18x - 16 = 0$ (D) . $x^2 - 18x + 16 = 0$	
621	4372	The area enclosed between the curve $y = \log_e(x + e)$ and the coordinate axis is (A) 1 (B) 2 (C) 3 (D) 4	(A)
621	4373	The point diametrically opposite to the point P (1, 0) on the circle x2 + y2 + 2x + 4y − 3 = 0 is (A) (− 3, − 4) (B) (-3, 4) (C) (3, 4) (D) (-4, -1)	(A)
621	4374	The mean of the numbers a, b, 8, 5, 10 is 6 and the variance is 6.80. Then which one of the following gives possible values of a and b? (A) a = 0, b = 7 (B) a = 5, b = 2 (C) a = 3, b = 4 (D) a = 2, b = 4	(C)
621	4375	The first two terms of a geometric progression add up to 12. The sum of the third and the fourth terms is 48. If the terms of the geometric progression are alternately positive and negative, then the first term is (A) -2 (B) -12 (C) -4 (D) 8	(B)
621	4376	If (1 – p) is a root of quadratic equation $x^2 + px + (1-p) = 0$, then its roots are (A) 0, 1 (B) -1, 2 (C) 0, -1 (D) . -1, 1	(C)
621	4377	The graph of the function y = f(x) is symmetrical about the line x = 2, then (A) f(x + 2)= f(x – 2) (B) f(2 + x) = f(2 – x) (C) f(x) = f(-x) (D) f(x) = - f(-x)	(B)
621	4378	. If 2a + 3b + 6c =0, then at least one root of the equation ax2 + bx + c lies in the interval	(A)

		(A) (0, 1) (B) (1, 2) (C) (2, 3) (D) (1, 3)	
621	4379	Let A (2, –3) and B(–2, 1) be vertices of a triangle ABC. If the centroid of this triangle moves on the line 2x + 3y = 1, then the locus of the vertex C is the line (A) 2x + 3y = 9 (B) 2x – 3y = 7 (C) 3x + 2y = 5 (D) 3x – 2y = 3	(A)
621	4380	Consider the following statements(1) Mode can be computed from histogram (2) Median is not independent of change of scale (3) Variance is independent of change of origin and scale. Which of these is/are correct? (A) Only (1) (B) Only (2) (C) Only (1) and (2) (D) (1), (2) and (3)	(C)
621	4381	The phenomenon of having a continuous glow of a beam on the screen even after it is removed is called as (A) fluorescence (B) persistence (C) phosphorescence (D) incandescence	(C)
621	4382	Which of the following is not a form of memory ? (A) Instruction cache (B) Instruction register (C) Instruction opcode (D) Both (A) and (B)	(C)
621	4383	The idea of cache memory is based on (A) The property of locality of reference (B) The heuristic 90-10 rule (C) The fact that only a small portion of a program is referenced relatively frequently (D) None of the above	(A)
621	4384	How many RAM chips of size (256K x 1 bit) are required to build 1M Byte memory ? (A) 8 (B) 12 (C) 24 (D) 32	(D)
621	4385	A mathematical-model with a collection of operations defined on that model is called (A) Data Structure (B) Abstract Data Type	(B)

		(C) Primitive Data Type (D) Algorithm	
621	4386	A logical schema (A) is the entire database (B) describes data in terms of relational tables and columns, object-oriented classes, and XMLtag (C) describes how data is actually stored on disk (D) Both (A) and (C)	(A)
621	4387	SET concept is used in (A) Network Model (B) Hierarchical Model (C) Relational Model (D) None of the above	(A)
621	4388	Relational Algebra is (A) Data Definition Language (B) Meta Language (C) Procedural query Language (D) None of the above	(C)
621	4389	Consider the join of a relation R with relation S. If R has m tuples and S has n tuples, then the maximum size of join is (A) mn (B) m+n (C) . (m+n)/2 (D) 2(m+n)	(A)
621	4390	A computer system has 6 tape drives, with 'n' processes competing for them. Each process may need 3 tape drives. The maximum value of 'n' for which the system is guaranteed to be deadlock free is (A) 4 (B) 3 (C) 2 (D) 1	(C)
621	4391	The main activity of the design phase of the system life cycle is to (A) propose alternatives to the current system (B) . understand the current system (C) develop and test the new system (D) replace the old system with the new on	(A)
621	4392	A graphic representation of an information system is called (A) flowchart (B) data flow diagram (C) pictogram	(B)

		(D) None of the above	
621	4393	During what phase, the requirements analysis is performed? (A) System design phase (B) System development phase (C) System analysis phase (D) System investigation phase	(C)
621	4394	To run the old system and the new system at the same time for a specified period, the system implementation approach used is (A) phased (B) pilot (C) parallel (D) direct	(C)
621	4395	When a computer is first turned on or restarted, a special type of absolute loader is executed called (A) " Compile and GO " loader (B) Boot strap loader (C) Boot loader (D) Relating loader	(B)
621	4396	Scissoring enables (A) a part of data to be displayed (B) entire data to be displayed (C) full data display on full area of screen (D) no data to be displayed	(A)
621	4397	In networking terminology UTP means (A) Unshielded Twisted pair (B) Ubiquitious Teflon port (C) Uniformly Terminating port (D) Unshielded T-connector port	(A)
621	4398	Start and stop bits are used in serial communication for (A) error detection (B) error correction (C) synchronization (D) slowing down the communication	(C)
621	4399	In a broad sense, a railway track is an example of (A) simplex (B) half-duplex (C) full-duplex (D) All of the above	(B)

621	4400	A bridge has access to which address of a station on the same network? (A) Physical (B) Network (C) Service access point (D) All of the above	(A)
621	4401	Euclidean distance measure is (A) A stage of the KDD process in which new data is added to the existing selection (B) The process of finding a solution for a problem simply by enumerating all possible solutions according to some pre-defined order and then testing them (C) The distance between two points as calculated using the Pythagoras theorem (D) None of the above	(C)
621	4402	Machine learning is (A) An algorithm that can learn (B) A sub-discipline of computer science that deals with the design and implementation of learning algorithms (C) An approach that abstracts from the actual strategy of an individual algorithm and can therefore be applied to any other form of machine learning. (D) None of the above	(B)
621	4403	In which of the following gates, the output is 1, if and only if at least one input is 1? (A) NOR (B) AND (C) OR (D) NAND	(C)
621	4404	The time required for a gate or inverter to change its state is called (A) Rise time (B) Decay time (C) Propagation time (D) Charging time	(C)
621	4405	A combinational circuit is one in which the output depends on the (A) input combination at the time (B) input combination and the previous output (C) input combination at that time and the previous input combination (D) present output and the previous output	(A)
621	4406	For the circuit shown for AB = 00, AB = 01, C, S values respectively are 	(B)

		(A) . 0, 0 and 1, 0 (B) 0, 0 and 0, 1 (C) 0, 1 and 0, 0 (D) 1, 0 and 0, 0	
621	4407	C++ was originally developed by (A) Clocksin and Mellish (B) Donald E. Knuth (C) Sir Richard Hadlee (D) Bjame Stroustrup	(D)
621	4408	Overloading is otherwise called as (A) virtual polymorphism (B) ad-hoc polymorphism (C) pseudo polymorphism (D) transient polymorphism	(B)
621	4409	Forgetting to include a file (like cmath or math.h) that is necessary will result in (A) compilation error (B) warning when the program is run (C) error at link time (D) warning when the program is compiled	(C)
621	4410	The parameter passing mechanism for an array is (A) call by value (B) call by reference (C) call by value-result (D) None of the above	(B)
621	4411	****** CASE QN ****** **Direction:** Pick out the most effective word(s) from the given words to fill in the blank to make the sentence meaningfully complete. ****** CASE QN ****** Fate smiles ..... those who untiringly grapple with stark realities of life. (A) with (B) over (C) on (D) round	(C)
621	4412	****** CASE QN ****** **Direction:** Pick out the most effective word(s) from the given words to fill in the blank to make the sentence meaningfully complete. ****** CASE QN ******	(B)

		I saw a ..... of cows in the field (A) group (B) herd (C) swarm (D) flock	
621	4413	****** CASE QN ****** **Direction:** Pick out the most effective word(s) from the given words to fill in the blank to make the sentence meaningfully complete. ****** CASE QN ****** Success in this examination depends ..... hard work alone. (A) at (B) over (C) for (D) on	(D)
621	4414	****** CASE QN ****** **Direction:** Pick out the most effective word(s) from the given words to fill in the blank to make the sentence meaningfully complete. ****** CASE QN ****** A woman came in with a baby who, she said, ... a safety pin. (A) was just swallowing (B) swallowed (C) had just swallowed (D) just swallowed	(C)
621	4415	In the question below the sentence has been given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice. After driving professor Kumar to the museum she dropped him at his hotel (A) After being driven to the museum, Professor Kumar was dropped at his hotel (B) Professor Kumar was being driven dropped at his hotel (C) After she had driven Professor Kumar to the museum she had dropped him at his hotel (D) After she was driven Professor Kumar to the museum she had dropped him at his hotel.	(A)
621	4416	In the question below the sentence has been given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice. They greet me cheerfully every morning (A) Every morning I was greeted cheerfully (B) I am greeted cheerfully by them every morning (C) I am being greeted cheerfully by them every morning (D) Cheerful greeting is done by them every morning to me	(B)
621	4417	In the question below the sentence has been given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice. The doctor advised the patient not to eat rice (A) The patient was advised by the doctor not to eat rice	(A)

		(B) The patient was advised by the doctor that he should not eat rice (C) The patient was being advised by the doctor that he should not rice by the doctor (D) The patient has been advised not to eat rice by the doctor	
621	4418	In question given below out of four alternatives, choose the one which can be substituted for the given word/sentence. That which cannot be corrected (A) Unintelligible (B) Indelible (C) Illegible (D) Incorrigible	(D)
621	4419	In question given below out of four alternatives, choose the one which can be substituted for the given word/sentence. The study of ancient societies (A) Anthropology (B) Archaeology (C) History (D) Ethnology	(B)
621	4420	In question given below out of four alternatives, choose the one which can be substituted for the given word/sentence. One who sacrifices his life for a cause (A) Patriot (B) Revolutionary (C) Martyr (D) Soldier	(C)
621	4421	In the question below the sentence has been given in Direct/Indirect speech. From the given alternatives, choose the one which best expresses the given sentence in Indirect/Direct speech. His father ordered him to go to his room and study (A) His father said, "Go to your room and study." (B) His father said to him, "Go and study in your room." (C) His father shouted, "Go right now to your study room" (D) His father said firmly, "Go and study in your room."	(A)
621	4422	In the question below the sentence has been given in Direct/Indirect speech. From the given alternatives, choose the one which best expresses the given sentence in Indirect/Direct speech. She said that her brother was getting married (A) She said, "Her brother is getting married." (B) She told, "Her brother is getting married." (C) She said, "My brother is getting married." (D) She said, "My brother was getting married."	(C)
621	4423	In the following question choose the word which is the exact **OPPOSITE** of the given word. ENORMOUS (A) Soft (B) Average (C) Tiny (D) Weak	(C)
621	4424	In the following question choose the word which is the exact OPPOSITE of the given word. COMMISSIONED	(D)

		(A) Started (B) Closed (C) Finished (D) Terminated	
621	4425	In the following question choose the word which is the exact OPPOSITE of the given word. ARTIFICIAL (A) Red (B) Natural (C) Truthful (D) Solid	(B)
621	4426	In the following question choose the word which is the exact OPPOSITE of the given word. EXODUS (A) Influx (B) Home-coming (C) Return (D) Restoration	(A)
621	4427	In the following question choose the word which is the exact OPPOSITE of the given word. RELINQUISH (A) Abdicate (B) Renounce (C) Possess (D) Deny	(C)
621	4428	****** CASE QN ****** **In questions given below, a part of the sentence is *italicised and underlined*. Below are given alternatives to the italicised part which may improve the sentence. Choose the correct alternative. In case no improvement is needed, option 'D' is the answer.** ****** CASE QN ****** The workers are hell bent at getting what is due to them (A) hell bent on getting (B) hell bent for getting (C) hell bent upon getting (D) No improvement	(C)
621	4429	****** CASE QN ****** **In questions given below, a part of the sentence is *italicised and underlined*. Below are given alternatives to the italicised part which may improve the sentence. Choose the correct alternative. In case no improvement is needed, option 'D' is the answer.** ****** CASE QN ****** If the room had been brighter, I would have been able to read for a while before bed time. (A) Had the room been brighter (B) If the room are brighter (C) If the room was brighter (D) No improvement	(A)
621	4430	****** CASE QN ******	(B)

		In questions given below, a part of the sentence is *italicised and underlined*. Below are given alternatives to the italicised part which may improve the sentence. Choose the correct alternative. In case no improvement is needed, option 'D' is the answer. ****** CASE QN ****** The record for the biggest tiger hunt has not been met since 1911 when Lord Hardinge. then Viceroy of India, shot a tiger than measured 11 feet and 6 inches. (A) improved (B) broken (C) bettered (D) No improvement	
621	4431	****** CASE QN ****** **In questions given below, a part of the sentence is *italicised and underlined*. Below are given alternatives to the italicised part which may improve the sentence. Choose the correct alternative. In case no improvement is needed, option 'D' is the answer.** ****** CASE QN ****** his powerful desire brought about his downfall (A) His intense desire (B) His desire for power (C) His fatal desire (D) No improvement	(B)
621	4432	****** CASE QN ****** **In questions given below, a part of the sentence is *italicised and underlined*. Below are given alternatives to the italicised part which may improve the sentence. Choose the correct alternative. In case no improvement is needed, option 'D' is the answer.** ****** CASE QN ****** Will you kindly open the knot? (A) untie (B) break (C) loose (D) No improvement	(A)
621	4433	****** CASE QN ****** **Which of phrases given below each sentence should replace the phrase printed in bold type to make the grammatically correct?** ****** CASE QN ****** The small child does whatever his father was done (A) has done (B) did (C) does (D) had done	(C)
621	4434	****** CASE QN ****** **Which of phrases given below each sentence should replace the phrase printed in bold type to make the grammatically correct?** ****** CASE QN ******	(A)

		There are not many men who are so famous that they are frequently referred to by their short names only (A) initials (B) signatures (C) pictures (D) middle names	
621	4435	****** CASE QN ****** **Which of phrases given below each sentence should replace the phrase printed in bold type to make the grammatically correct?** ****** CASE QN ****** They were all shocked at his failure in the competition. (A) were shocked at all (B) had all shocked at (C) had been all shocked on (D) No correction required	(D)
621	4436	****** CASE QN ****** **Which of phrases given below each sentence should replace the phrase printed in bold type to make the grammatically correct?** ****** CASE QN ****** Ramesh is as tall if not, taller than Mahesh. (A) not as tall but (B) not so tall but as (C) as tall as, if not (D) as if not	(C)
621	4437	****** CASE QN ****** **Which of phrases given below each sentence should replace the phrase printed in bold type to make the grammatically correct?** ****** CASE QN ****** One of my drawbacks is that I do not have to tolerance of ambiguity (A) do not have (B) cannot have (C) am not (D) did not have to	(A)
621	4438	****** CASE QN ****** **In each question, an incomplete statement (Stem) followed by fillers is given. Pick out the best one which can complete incomplete stem correctly and meaningfully.** ****** CASE QN ****** Even if it rains I shall come means ..... (A) if I come it will not rain (B) if it rains I shall not come (C) I will certainly come whether it rains or not (D) whenever there is rain I shall come	(C)

621	4439	****** CASE QN ****** **In each question, an incomplete statement (Stem) followed by fillers is given. Pick out the best one which can complete incomplete stem correctly and meaningfully.** ****** CASE QN ****** I felt somewhat more relaxed ..... (A) but tense as compared to earlier (B) and tense as compared to earlier (C) as there was already no tension at all (D) and tension-free as compared to earlier	(D)
621	4440	****** CASE QN ****** **In each question, an incomplete statement (Stem) followed by fillers is given. Pick out the best one which can complete incomplete stem correctly and meaningfully.** ****** CASE QN ****** Even though it is very large house, ... (A) there is a lot of space available in it for children (B) there is hardly any space available for children (C) there is no dearth of space for children (D) the servants take a long time to clean it	(B)
621	4441	Ramesh has 6 friends. In how many ways can he invite one or more of them at a dinner ? (A) 61 (B) 62 (C) 63 (D) 64	(C)
621	4442	The number of diagonals that can be drawn by joining the vertices of an octagon is (A) 28 (B) 20 (C) 48 (D) 32	(B)
621	4443	The statement $p \rightarrow (q \rightarrow p)$ is equivalent to (A) $p \rightarrow (p \rightarrow q)$ (B) . $p \rightarrow (p \vee q)$ (C) $p \rightarrow (p \wedge q)$ (D) $p \rightarrow (p \leftrightarrow q)$	(B)
621	4444	Let R = {(1, 3), (4, 2), (2, 4), (2, 3), (3, 1)} be a relation on the set A = {1, 2, 3, 4}. The relation R is (A) a function (B) reflexive (C) not symmetric (D) Transitive	(C)

621	4445	What is the Cartesian product of A = {1, 2} and B = { *a, b*}? (A) {(1, *a*), (1, *b*), (2, *a*), (*b, b*)} (B) {(1, 1), (2, 2), (*a, a*), (*b, b*)} (C) {(1, *a*), (2, *a*), (1, *b*), (2, *b*)} (D) {(1, 1), (*a, a*), (2, *a*), (1, *b*)}	(C)
621	4446	The statement p → (q → p) is equivalent to (A) p → (p → q) (B) p → (p ∨ q) (C) p → (p ∧ q) (D) p → (p ↔ q)	(B)
621	4447	Odometer is to mileage as compass is to (A) speed (B) hiking (C) needle (D) direction	(D)
621	4448	Optimist is to cheerful as pessimist is to (A) gloomy (B) mean (C) petty (D) helpful	(A)
621	4449	Pen is to poet as needle is to (A) thread (B) button (C) sewing (D) tailor	(D)
621	4450	Violating an Apartment Lease occurs when a tenant does something prohibited by the legally binding document that he or she has signed with a landlord. Which situation below is the best example of Violating an Apartment Lease? (A) Tim has decided to move to another city, so he calls his landlord to tell him that he is not interested in renewing his lease when it expires next month. (B) Valerie recently lost her job and, for the last three months, has neglected to pay her landlord the monthly rent they agreed upon in writing when she moved into her apartment eight months ago. (C) Mark writes a letter to his landlord that lists numerous complaints about the apartment he has agreed to rent for two years (D) Leslie thinks that her landlord is neglecting the building in which she rents an apartment. She calls her attorney to ask for advice	(B)
621	4451	Establishing a Power of Attorney occurs when a legal document is created that gives one individual the authority to act for another. Which situation below is the best example of Establishing a Power of Attorney? (A) A. Simone's mother can no longer get to the bank to cash her checks and make deposits, so she has taken legal steps to enable Simone to do these things for her. (B) Louise is selling her house and she hires a lawyer to review the contract (C) Jack's father is elderly and Jack thinks he is no longer able to make decisions for himself.	(A)

		(D) At her daughter's urging, Mrs.Lenox opens up a retirement account with the local bank	
621	4452	Vincent has a paper route. Each morning, he delivers 37 newspapers to customers in his neighborhood. It takes Vincent 50 minutes to deliver all the papers. If Vincent is sick or has other plans, his friend Thomas, who lives on the same street, will sometimes deliver the papers for him. Find the statement that must be true according to the given information. (A) It is dark outside when Vincent begins his deliveries. (B) Thomas would like to have his own paper route (C) It takes Thomas more than 50 minutes to deliver the papers (D) Vincent and Thomas live in the same neighborhood	(D)
621	4453	Georgia is older than her cousin Marsha. Marsha's brother Bart is older than Georgia. When Marsha and Bart are visiting with Georgia, all three like to play a game of Monopoly. Marsha wins more often than Georgia does. Find the statement that must be true according to the given information. (A) When he plays Monopoly with Marsha and Georgia, Bart often loses (B) Of the three, Marsha is the youngest (C) Of the three, Georgia is the oldest. (D) Georgia hates to lose at Monopoly	(B)
621	4454	****** CASE QN ****** **Read the below passage carefully and answer the questions:** At a small company, parking spaces are reserved for the top executives: CEO, president, vice president, secretary, and treasurer with the spaces lined up in that order. The parking lot guard can tell at a glance if the cars are parked correctly by looking at the color of the cars. The cars are yellow, green, purple, red, and blue, and the executives names are Alice, Bert, Cheryl, David, and Enid. * The car in the first space is red. * A blue car is parked between the red car and the green car. * The car in the last space is purple. * The secretary drives a yellow car. * Alice's car is parked next to David's. * Enid drives a green car. * Bert's car is parked between Cheryl's and Enid's. * David's car is parked in the last space. ****** CASE QN ****** Who is the secretary? (A) David (B) Cheryl (C) Alice (D) Bert	(C)
621	4455	****** CASE QN ******	(A)

		Read the below passage carefully and answer the questions: At a small company, parking spaces are reserved for the top executives: CEO, president, vice president, secretary, and treasurer with the spaces lined up in that order. The parking lot guard can tell at a glance if the cars are parked correctly by looking at the color of the cars. The cars are yellow, green, purple, red, and blue, and the executives names are Alice, Bert, Cheryl, David, and Enid. * The car in the first space is red. * A blue car is parked between the red car and the green car. * The car in the last space is purple. * The secretary drives a yellow car. * Alice's car is parked next to David's. * Enid drives a green car. * Bert's car is parked between Cheryl's and Enid's. * David's car is parked in the last space. ****** CASE QN ****** What color is the vice president's car? (A) green (B) yellow (C) blue (D) purple	
621	4456	Statements: In a one day cricket match, the total runs made by a team were 200. Out of these 160 runs were made by spinners. Conclusions: I. 80% of the team consists of spinners. II. The opening batsmen were spinners. (A) Only conclusion I follows (B) Only conclusion II follows (C) Either I or II follows (D) Neither I nor II follows	(D)
621	4457	Statements: 1. The performance of most of the students in final exam of class X in the schools run by the Government was excellent. 2. Many teachers of the Government schools left the school and joined private schools. (A) Statement I is the cause and statement II is its effect (B) Statement II is the cause and statement I is its effect (C) Both the statements I and II are effects of independent causes (D) Both the statements I and II are independent causes	(C)
621	4458	SCD, TEF, UGH, ____, WKL (A) VIJ (B) CMN (C) UJI (D) IJT	(A)
621	4459	Choose the word that is a necessary part of the word HARVEST (A) autumn (B) stockpile (C) tractor (D) crop	(D)
621	4460	Here are some words translated from an artificial language. hapllesh means cloudburst srenchoch means pinball resbosrench means ninepin Which word could mean "cloud nine"?	(B)

		(A) leshsrench (B) haplresbo (C) ochhapl (D) haploch	
621	4461	The school principal has received complaints from parents about bullying in the school yard during recess. He wants to investigate and end this situation as soon as possible, so he has asked the recess aides to watch closely. Which situation should the recess aides report to the principal? (A) A girl is sitting glumly on a bench reading a book and not interacting with her peers (B) Two boys are playing a one-on-one game of basketball and are arguing over the last basket scored (C) Four girls are surrounding another girl and seem to have possession of her backpack (D) Three boys are huddled over a handheld video game, which isn't supposed to be on school grounds	(C)
621	4462	Rita, an accomplished pastry chef who is well known for her artistic and exquisite wedding cakes, opened a bakery one year ago and is surprised that business has been so slow. A consultant she hired to conduct market research has reported that the local population doesn't think of her shop as one they would visit on a daily basis but rather a place they'd visit if they were celebrating a special occasion. Which of the following strategies should Rita employ to increase her daily business? (A) making coupons available that entitle the coupon holder to receive a 25% discount on wedding, anniversary, or birthday cakes (B) placing a series of ads in the local newspaper that advertise the wide array of breads (C) exhibiting at the next Bridal Expo and having pieces of one of her wedding cakes available for tasting (D) moving the bakery to the other side of town	(B)
621	4463	In the past, consumers would rarely walk into an ice cream store and order low-fat ice cream. But that isn't the case today. An increasing health consciousness combined with a much bigger selection of tasty low-fat foods in all categories has made low-fat ice cream a very profitable item for ice cream store owners. This paragraph best supports the statement that (A) low-fat ice cream produces more revenue than other low-fat foods. (B) ice cream store owners would be better off carrying only low-fat ice cream. (C) ice cream store owners no longer think that low-fat ice cream is an unpopular item (D) consumers are fickle and it is impossible to please them	(C)
621	4464	Which word does NOT belong with the others? (A) tyre (B) steering wheel (C) engine (D) car	(D)
621	4465	A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was (A) 14 years (B) 19 years (C) 33 years (D) 38 years	(A)
621	4466	The difference between a two-digit number and the number obtained by interchanging the positions of its digits is 36. What is the difference between the two digits of that number? (A) 3 (B) 4	(B)

		(C) 6 (D) 9	
621	4467	A man has Rs. 480 in the denominations of one-rupee notes, five-rupee notes and ten-rupee notes. The number of notes of each denomination is equal. What is the total number of notes that he has ? (A) 45 (B) . 60 (C) 75 (D) 90	(D)
621	4468	A man has some hens and cows. If the number of heads be 48 and the number of feet equals 140, then the number of hens will be: (A) 26 (B) 24 (C) 23 (D) 22	(A)
621	4469	Today is Monday. After 61 days, it will be (A) Wednesday (B) Saturday (C) Tuesday (D) Thursday	(B)
621	4470	In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs? (A) 6.25 (B) 6.5 (C) 6.75 (D) 7	(A)
621	4471	Is the following statement a declaration or definition? extern int i; (A) Declaration (B) Definition (C) Function (D) Error	(A)
621	4472	Which of the following correctly shows the hierarchy of arithmetic operations in C? (A) / + * - (B) * - / + (C) + - / * (D) / * + -	(D)
621	4473	Which of the following is the correct usage of conditional operators used in C (A) a>b ? c=30 : c=40 (B) a>b ? c=30 (C) max = a>b ? a>c?a:c:b>c?b:c	(C)

		(D) return (a>b)?(a:b)	
621	4474	In which header file is the NULL macro defined? (A) stdio.h (B) stddef.h (C) stdio.h and stddef.h (D) math.h	(C)
621	4475	A pointer is (A) A keyword used to create variables (B) A variable that stores address of other variable (C) A variable that stores address of an instruction (D) All of the above	(B)
621	4476	Which of the following function is more appropriate for reading in a multi-word string? (A) printf(); (B) scanf(); (C) gets(); (D) puts();	(C)
621	4477	In which numbering system can the binary number *1011011111000101* be easily converted to? (A) Decimal system (B) Hexadecimal system (C) Octal system (D) None of the above	(B)
621	4478	Which bitwise operator is suitable for checking whether a particular bit is on or off? (A) && operator (B) & operator (C) ll operator (D) ! operator	(B)
621	4479	What will the function *rewind()* do? (A) Reposition the file pointer to a character reverse. (B) Reposition the file pointer stream to end of file. (C) Reposition the file pointer to begining of that line (D) Reposition the file pointer to begining of file.	(D)
621	4480	What is the purpose of *fflush()* function. (A) flushes all streams and specified streams. (B) flushes only specified stream (C) flushes input/output buffer. (D) flushes file buffer.	(A)
621	4481		(C)

		(A) Infinite times (B) 11 times (C) 0 times (D) 10 times	
621	4482	Which of the following cannot be checked in a *switch-case* statement? (A) Character (B) Integer (C) enum (D) Float	(D)
621	4483	What are the different types of real data type in C ? (A) float, double (B) short int, double, long int (C) float, double, long double (D) double, long int, float	(C)
621	4484	The binary equivalent of 5.375 is (A) 101.101110111 (B) 101.011 (C) 101011 (D) None of above	(B)
621	4485	Which header file should be included to use functions like *malloc()* and *calloc()*? (A) memory.h (B) stdlib.h (C) string.h (D) dos.h	(B)
621	4486	What do the following declaration signify? (A) *ptr* is a array of 30 pointers to integers. (B) *ptr* is a pointer to an array of 30 integer pointers. (C) *ptr* is a array of 30 integer pointers. (D) *ptr* is a array 30 pointers.	(A)

621	4487	In the following code, the *P2* is Integer Pointer or Integer?
		`typedef int *ptr;`
		`ptr p1, p2;`
		(A) Integer
		(B) Integer pointer
		(C) Error in declaration
		(D) None of above
			(B)

621	4488	What is the similarity between a structure, union and enumeration?	(C)

		(A) All of them let you define new values (B) All of them let you define new pointers (C) All of them let you define new data types (D) All of them let you define new structures	
621	4489	Which of the following statements correct about the below code? maruti.engine.bolts=25; (A) Structure *bolts* is nested within structure *engine*. (B) Structure *engine* is nested within structure *maruti*. (C) Structure *maruti* is nested within structure *engine*. (D) Structure *maruti* is nested within structure *bolts*.	(B)

621	4490	What will be the output of the program ?
		`#include<stdio.h>`
		`int main()`
		`{`
		`enum days {MON=-1, TUE, WED=6, THU, FRI, SAT};`
		`printf("%d, %d, %d, %d, %d, %d\n", MON, TUE, WED, THU, FRI, SAT);`
		`return 0;`
		`}`
		(A) -1, 0, 1, 2, 3, 4
		(B) -1, 2, 6, 3, 4, 5
		(C) -1, 0, 6, 2, 3, 4
		(D) -1, 0, 6, 7, 8, 9
			(D)

621	4491	Which of the following type of class allows only one object of it to be created? (A) Virtual class (B) Abstract class (C) Singleton class (D) Friend class	(C)
621	4492	Which of the following statements is correct? (A) Base class pointer cannot point to derived class. (B) Derived class pointer cannot point to base class. (C) Pointer to derived class cannot be created. (D) Pointer to base class cannot be created	(B)
621	4493	Which of the following concepts means determining at runtime what method to invoke? (A) Data hiding (B) Dynamic Typing (C) Dynamic binding (D) Dynamic loading	(C)
621	4494	Which of the following statement is correct? (A) C++ allows static type checking (B) C++ allows dynamic type checking. (C) C++ allows static member function be of type const. (D) Both A and B.	(D)

621	4495	Which of the following provides a reuse mechanism? (A) Abstraction (B) Inheritance (C) Dynamic binding (D) Encapsulation	(B)
621	4496	Which of the following concepts means wrapping up of data and functions together? (A) Encapsulation (B) Abstraction (C) Inheritance (D) Polymorphism	(A)
621	4497	Which of the following statement is correct? (A) Constructors cannot have more than one default parameter. (B) Constructors can have default parameters. (C) Constructors cannot have default parameters. (D) Constructors can have at most five default parameters.	(B)
621	4498	A constructor that accepts _____ parameters is called the default constructor. (A) one (B) two (C) three (D) no	(D)
621	4499	What happens when a class with parameterized constructors and having no default constructor is used in a program and we create an object that needs a zero-argument constructor? (A) Compile-time error. (B) Preprocessing error. (C) Runtime error. (D) Runtime exception.	(A)
621	4500	A class's _____ is called when an object is destroyed. (A) constructor (B) destructor (C) assignment function (D) copy constructor	(B)