4. Emotion: Invulnerable [Option ID = 43717]

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Topic:- MOR S2
1) Which of the following alternatives is either a synonym or an antonym of the word LIBERAL?  [Question ID = 10924]  1. Unreliable [Option ID = 43690]  2. Intolerant [Option ID = 43691]  3. Strong [Option ID = 43692]  4. Independent [Option ID = 43693]
Correct Answer :-  • Intolerant [Option ID = 43691]
<ol> <li>Which of the following alternatives is either a synonym or an antonym of the word EXHORT?</li> <li>[Question ID = 10925]</li> <li>Condemn [Option ID = 43694]</li> <li>Urge [Option ID = 43695]</li> <li>Prevent [Option ID = 43696]</li> <li>Waste [Option ID = 43697]</li> </ol>
Correct Answer :-  • Urge [Option ID = 43695]
3) The most suitable 'one word' for the phrase 'Present opposing arguments or evidence' is  [Question ID = 10926]  1. Criticise [Option ID = 43698]  2. Rebut [Option ID = 43699]  3. Rebuff [Option ID = 43700]  4. Reprimand [Option ID = 43701]
Correct Answer :-  • Rebut [Option ID = 43699]
4) The most suitable 'one word' for the phrase 'To break off proceedings of a meeting for a time' is  [Question ID = 10927]  1. Convene [Option ID = 43702]  2. Terminate [Option ID = 43703]  3. Adjourn [Option ID = 43704]  4. Procrastimate [Option ID = 43705]
Correct Answer :-  • Adjourn [Option ID = 43704]
5) The with which he is able to wield the paint brush is really remarkable  [Question ID = 10928]  1. ease [Option ID = 43706]  2. sweep [Option ID = 43707]  3. skill [Option ID = 43708]  4. majesty [Option ID = 43709]
Correct Answer :-  • ease [Option ID = 43706]
6) The purpose of education must be to attitudes as well as to impart knowledge and skills  [Question ID = 10929]  1. manage [Option ID = 43710]  2. rationalise [Option ID = 43711]  3. adjust [Option ID = 43712]  4. internalize [Option ID = 43713]
Correct Answer :- • rationalise [Option ID = 43711]
7) Which of the following lettered pairs has the same relationship as the pair Error; Infallible?  [Question ID = 10930]  1. Cure: Irreversible [Option ID = 43714]
Flaw : Impeccable [Option ID = 43715]     Defect : Intolerable [Option ID = 43716]     www.FirstRanker.com



8) Dream is related to Reality in the same way www.FirstRanker.com

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#### [Question ID = 10931]

- Correctness [Option ID = 43718]
- 2. Truth [Option ID = 43719]
- Untruth [Option ID = 43720]
- 4. Fairness [Option ID = 43721]

#### Correct Answer :-

- Truth [Option ID = 43719]
- 9) How many such letters are there in the word BACKLASH each of which is as far away from the beginning of the word as it is from the beginning of the English alphabets?

#### [Question ID = 10932]

- One [Option ID = 43722]
- 2. Two [Option ID = 43723]
- 3. Three [Option ID = 43724]
- Six [Option ID = 43725]

#### Correct Answer :-

- Two [Option ID = 43723]
- 10) If 'oranges' are 'apples', 'bananas' are 'apricots', 'apples' are 'chillies', 'apricots' are 'oranges' and 'chillies' are 'bananas', then which of the following are green in colour?

#### [Question ID = 10933]

- 1. Apricots [Option ID = 43726]
- Apples [Option ID = 43727]
- 3. Chillies [Option ID = 43728]
- Bananas [Option ID = 43729]

#### Correct Answer :-

- Bananas [Option ID = 43729]
- 11) 'A \$ B' means 'A is mother of B', 'A # B' means 'A is father of B', 'A @ B' means 'A is husband of B', 'A % B' means 'A is daughter of B'. Then 'P \$ Q # M % T' indicates what relationship of 'P' with 'T'?

#### [Question ID = 10934]

- 1. Paternal grandmother [Option ID = 43730]
- 2. Maternal grandmother [Option ID = 43731]
- Mother-in-law [Option ID = 43732]
- 4. Maternal grandfather [Option ID = 43733]

#### Correct Answer :-

- Mother-in-law [Option ID = 43732]
- 12) In a certain code language, MICROWAVE is written as LJBSNXZWD. How is POPULAR written in that code? [Question ID = 10935]
- QBIKVPAV [Option ID = 43734]
- 2. OPKVPAV [Option ID = 43735]
- OPOVKBQ [Option ID = 43736]
- 4. KBQVOPA [Option ID = 43737]

#### Correct Answer :-

- OPOVKBQ [Option ID = 43736]
- 13) Statement: "Most of the classical dance theme are based on stories of Gods and avatars" Assumptions: I: Classical arts maintain their heritage by sticking to traditions, II: New themes are not interesting

### [Question ID = 10936]

- Only assumption I is implicit [Option ID = 43738]
- 2. Assumptions I and II are implicit [Option ID = 43739]
- 3. Only assumption II is implicit [Option ID = 43740]
- 4. none of these [Option ID = 43741]

# Correct Answer :-

- Only assumption I is implicit [Option ID = 43738]
- 14) Statement: "In every community where we sell our brands, we must remember we do not business in markets, we do business in societies." - A marketer Assumptions: I. Shops and markets are of no use in selling a brand,

U. The understanding of social behaviour is a must for the marketer

#### [Question ID = 10937]

- Assumptions I and II are implicit [Option ID = 43742] www.FirstRanker.com
- 2. Only assumption II is implicit [Option ID = 43743]
- 3. Only assumption I is implicit [Option ID = 43744]

• 41:72 [Option ID = 43766]

Answer - Firstranker's choice Only assumption il is implicit (option ib – 43743)	www.FirstRanker.com	www.FirstRanker.com
15) A cube is coloured red on all faces. It coloured? [Question ID = 10938] 1. 8 [Option ID = 43746] 2. 10 [Option ID = 43747] 3. 18 [Option ID = 43748] 4. 24 [Option ID = 43749]	is cut into 64 smaller cubes of equal size,	How many cubes have no face
Correct Answer :-  • 8 [Option ID = 43746]		
16) If in a certain code DEFENCE is written [Question ID = 10939] 1. 39 [Option ID = 43750] 2. 57 [Option ID = 43751] 3. 83 [Option ID = 43752] 4. 73 [Option ID = 43753]	n as 42, how would COMMON be written in	that code?
Correct Answer :- • 73 [Option ID = 43753]		
17) A, B, C, D, E and F are six members of F. E is the father of D. A is the grandson of following pairs is one of the married couple [Question ID = 10940]  1. E-F [Option ID = 43754]  2. B-D [Option ID = 43755]  3. E-B [Option ID = 43756]  4. A-F [Option ID = 43757]	f B. The total number of female members	_
Correct Answer :- • E-B [Option ID = 43756]		
18) A, B, C, D, E and F are six members of F. E is the father of D. A is the grandson of of E?  [Question ID = 10941]  1. B [Option ID = 43758]  2. C [Option ID = 43759]  3. D [Option ID = 43760]  4. F [Option ID = 43761]		
Correct Answer :-  • B [Option ID = 43758]		
19) A, B, C, D, E, F and G are playing card and C. G, who is second to the left of D is to [Question ID = 10942]  1. To the immediate left of A [Option ID = 43762]  2. To the immediate right of E [Option ID = 43763]  3. Third to the right of F [Option ID = 43764]  4. none of these [Option ID = 43765]		
Correct Answer :- • none of these [Option ID = 43765]		
20) The alternatives given below represer [Question ID = 10943]  1. 41:72 [Option ID = 43766]  2. 12:30 [Option ID = 43767]  3. 51:42 [Option ID = 43768]  4. 11:20 [Option ID = 43769]	nt a pair of numbers. Which one is differen	it from the other three alternatives?
Correct Answer :-		

21) Operational Research uses models built by www.trirstrankerecom
the variables of a given problem and also derives a solution from the model using \_\_\_\_\_of the diversified solution techniques
[Question ID = 10944]



4. all of these [Option ID = 43813]

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Correct Answer :-  one or more [Option ID = 43771]		
22) Operational Research is  [Question ID = 10945]  1. independent thinking approach [Option ID = 43774]  2. group thinking approach [Option ID = 43775]  3. inter-disciplinary team approach [Option ID = 43776]  4. none of these [Option ID = 43777]		
Correct Answer :- • inter-disciplinary team approach [Option ID = 43776]		
23) An optimal solution of an assignment pro [Question ID = 10946]  1. Each row and column has only one zero element [Opt 2. Each row and column has at least one zero element [ 3. The cost data is arranged in a square matrix [Option 4. none of these [Option ID = 43781]	ion ID = 43778] Option ID = 43779]	
Correct Answer :- • none of these [Option ID = 43781]		
24) In linear programming problem, degeneral [Question ID = 10947]  1. two [Option ID = 43782]  2. one [Option ID = 43783]  3. three [Option ID = 43784]  4. four [Option ID = 43785]	acy occurs in stages	
Correct Answer :-  • two [Option ID = 43782]		
25) If the dual linear programming problem in [Question ID = 10949]  1. unbounded [Option ID = 43790]  2. infeasible [Option ID = 43791]  3. either unbounded or infeasible [Option ID = 43792]  4. none of these [Option ID = 43793]	nas no feasible solution, then the prim	al problem is
Correct Answer :-  e either unbounded or infeasible [Option ID = 43792]		
26) A balanced transportation problem with a [Question ID = 10950]  1. 126 [Option ID = 43794] 2. 120 [Option ID = 43795] 3. 124 [Option ID = 43796] 4. 123 [Option ID = 43797]	3 sources and 3 destinations can have	at most basic feasible solutions,
Correct Answer :- • 126 [Option ID = 43794]		
27) If an iso-cost line yielding the optimal sol [Question ID = 10953]  1. the solution is unbounded [Option ID = 43806]  2. the solution is infeasible [Option ID = 43807]  3. the constraint which coincides is redundant [Option 4. none of these [Option ID = 43809]		n coincides with a constraint line, then
Correct Answer :-  none of these [Option ID = 43809]		
28) An assignment problem [Question ID = 10954] 1_is a special case of the linear programming problem.		
<ol> <li>is a special case of the transportation problem [Opti</li> <li>can be solved by the Hungarian method of assignment</li> </ol>		

(Question D = 10925) a list of the team hold in stock (Option ID = 43814) a list of the team hold in stock (Option ID = 43814) b. correct Answer: a list of the team hold in stock (Option ID = 43814)  30) Stock turnover increases when (Question ID = 10956) a unsuber of units sold in a period norceases (Option ID = 43818) b. number of units sold in a period norceases (Option ID = 43819) b. number of units sold in a period norceases (Option ID = 43819) b. number of units sold in a period norceases (Option ID = 43819) b. number of units sold in a period norceases (Option ID = 43819) b. number of units sold in a period norceases (Option ID = 43819) b. number of units sold in a period norceases (Option ID = 43819) b. number of units sold in a period norceases (Option ID = 43819) b. number of units sold in a period norceases (Option ID = 43819) b. number of units sold in a period norceases (Option ID = 43819) b. number of units sold in a period norceases (Option ID = 43819) b. number of units sold in a period norceases (Option ID = 43819) b. unit of these (Option ID = 43823) b. unit of these (Option ID = 43823) c. time for order preparation (Option ID = 43824) b. unit of these (Option ID = 43825)  3.1) If a non-redundant constraint is removed from a linear programming problem, then (Question ID = 10958) b. (nessible region will become larger (Option ID = 43826)  3.2) If a non-redundant constraint is removed from a linear programming problem, then (Question ID = 10958) c. essible region will become larger (Option ID = 43826)  3.3) The ordering cost is Rs. 125 per order for a certain type of commodity whose holding cost per unit is Rs. 6 per year, the annual demand is 6,000 units, and the replacement is instantaneous and no shortages are allowed then the EOQ  (See Control (Option ID = 43830)  3.3) The ordering cost is Rs. 125 per order for a certain type of commodity whose holding cost per unit is Rs. 6 per year, the annual demand is 6,000 units, and the replacement is instantaneous and no shortages are allowed then the	Firstranker's choice	www.FirstRanker.com	www.FirstRanker.com
a list of the teams held in stock (Option ID ~ 43814) a. Is list of the teams in demand (Option ID ~ 43815) b. a list of the teams in demand (Option ID ~ 43817)  Correct Answer: a. list of the teams held in shortage (Option ID ~ 43814)  30) Stock turnover increases when  (Question ID = 10956) b. number of units sold in a period increases (Option ID ~ 43818)  a. number of units sold in a period increases (Option ID ~ 43819) b. everage stock increases (Option ID ~ 43818)  31) The lead time occurs because of  (Question ID ~ 10957) c. time for order preparation (Option ID ~ 43821) b. time for order preparation (Option ID ~ 43821) b. time to process the delivery (Option ID ~ 43821) b. time to process the delivery (Option ID ~ 43821) b. time to process the delivery (Option ID ~ 43821) b. time to process the supplier (Option ID ~ 43822) b. time to process the benefit of the control ID + 43823) b. time to process the benefit of the control ID + 43823 b. time to process the benefit of the control ID + 43823 b. time to process the benefit of the control ID + 43823 b. time to process the benefit of the control ID + 43823 b. time to process the benefit of the control ID + 43823 b. time to process the benefit of the control ID + 43824 b. time to process the benefit of the control ID + 43825 b. control To + 43829 contr	<ol><li>An inventory is</li></ol>	www.rirstRanker.com	www.rirstRanker.com
1. a list of the Items in demand (Option ID ~ 43815) 1. a lost of the thems held in shortage (Option ID ~ 43816) 1. none of these (Option ID ~ 43817)  Correct Answer : * a list of the Items held in stock (Option ID ~ 43814)  30) Stock turnover increases when (Question ID ~ 10956) 1. number of units sold in a period increases (Option ID ~ 43818) 1. number of units sold in a period decreases (Option ID ~ 43819) 1. number of units sold in a period decreases (Option ID ~ 43819) 1. number of units sold in a period increases (Option ID ~ 43819) 1. none of these (Option ID ~ 43821)  Correct Answer : * units sold in a period increases (Option ID ~ 43818) 1. none of these (Option ID ~ 43821)  31) The lead time occurs because of (Question ID ~ 43818) 131) The lead time occurs because of (Question ID ~ 10957) 1. time to process the delivery (Option ID ~ 43822) 1. time to process the delivery (Option ID ~ 43822) 1. time to process the delivery (Option ID ~ 43823) 1. all of these (Option ID ~ 43825)  32) If a non-redundant constraint is removed from a linear programming problem, then (Question ID ~ 10958) 1. feasible region will become larger (Option ID ~ 43826) 1. feasible region will become smaller (Option ID ~ 43828) 1. feasible region will become smaller (Option ID ~ 43828) 1. none of these (Option ID ~ 43829) 1. none of these (Option ID ~ 43831) 1. ob ourist (Option ID ~ 43834) 1. ob ourist (Option ID ~ 43833) 1. ob ourist (Option ID ~ 438331) 1. ob ourist (Option ID ~ 438331) 1. ob ourist			
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L. nome of these [Option ID - 43817]  Correct Answer :-  a list of the terms held in stock [Option ID - 43814]  30) Stock turnover increases when [Question ID - 10956] L. number of units sold in a period increases [Option ID - 43818] L. number of units sold in a period increases [Option ID - 43819] L. number of units sold in a period discreases [Option ID - 43819] L. number of units sold in a period increases [Option ID - 43819] L. none of these [Option ID - 43821]  Correct Answer :-  a units sold in a period increases [Option ID - 43818]  31) The lead time occurs because of [Question ID - 10957] L. time to process the delivery [Option ID - 43822] L. time to process the delivery [Option ID - 43822] L. time to process the delivery [Option ID - 43823] L. time to these [Option ID - 43825]  32) If a non-redundant constraint is removed from a linear programming problem, then [Question ID - 10958] L. did these [Option ID - 43825]  32) If a non-redundant constraint is removed from a linear programming problem, then [Question ID - 10958] L. feasible region will become larger [Option ID - 43826] L. feasible region will become infeasible [Option ID - 43826] L. feasible region will become infeasible [Option ID - 43826] L. feasible region will become infeasible [Option ID - 43826] L. feasible region will become infeasible [Option ID - 43826] L. feasible region will become infeasible [Option ID - 43826] L. feasible region will become infeasible [Option ID - 43826] L. feasible region will become infeasible [Option ID - 43826] L. feasible region will become infeasible [Option ID - 43826] L. feasible region will become infeasible [Option ID - 43826] L. feasible region will become infeasible [Option ID - 43826] L. feasible region will become infeasible [Option ID - 43826] L. feasible region will become infeasible [Option ID - 43826] L. feasible region will become infeasible [Option ID - 43826] L. feasible region will become infeasible [Option ID - 43826] L. feasible region will become infeasible [Option ID - 43826] L. feasible			
Correct Answer:  * a list of the items held in stock [Option ID = 43814]  30) Stock turnover increases when (Question ID = 10956]  **number of units sold in a period correases [Option ID = 43818]  **number of units sold in a period correases [Option ID = 43819]  **newer per stock increases [Option ID = 43829]  **Orrect Answer:*  **number of units sold in a period correases [Option ID = 43818]  **31) The lead time occurs because of (Question ID = 10957]  **Lime for order preparation [Option ID = 43822]  **Lime for order preparation [Option ID = 43823]  **Lime for these [Option ID = 43825]  **Correct Answer:*  ** all of these [Option ID = 43825]  **Solid Interest Interest Option ID = 43826]  **Lime at the supplier [Option ID = 43826]  **Lime at the supplier [Option ID = 43826]  **Lime at these [Option ID = 43829]  **Correct Answer:*  ** all of these [Option ID = 43829]  **Correct Answer:*  ** (easible region will become larger [Option ID = 43826]  **London will become larger [Option ID = 43826]  **Orect Answer:*  ** (easible region will become larger [Option ID = 43826]  **Orect Answer:*  ** (easible region will become larger [Option ID = 43826]  **Orect Answer:*  ** (easible region will become larger [Option ID = 43826]  **Orect Answer:*  ** (easible region will become larger [Option ID = 43826]  *** (Option ID = 43830)  ** (Option ID = 43830)  ** (Option ID = 43831)  ** (Option ID = 43830)  ** (Option ID = 43831)  ** (Option ID = 43830)  ** (Option ID = 43831)  ** (Option ID = 43831)  ** (Option ID = 43834)  **		) = 43816]	
a list of the items held in stock (Option ID = 43814)  30) Stock turnover increases when (Question ID = 10956) . number of units sold in a period increases (Option ID = 43818) . number of units sold in a period increases (Option ID = 43819) . severage stock increases (Option ID = 43821) . none of these (Option ID = 43821)  Correct Answer :-  • number of units sold in a period increases (Option ID = 43818)  31) The lead time occurs because of (Question ID = 10957] . item to process the delivery (Option ID = 43822) . item to process the delivery (Option ID = 43823) . item to process the delivery (Option ID = 43823) . item to process the delivery (Option ID = 43823) . item to these (Option ID = 43824) . all of these (Option ID = 43825)  Correct Answer :-  • all of these (Option ID = 43825)  32) If a non-redundant constraint is removed from a linear programming problem, then (Question ID = 10958) . essable region will become larger (Option ID = 43826) . none of these (Option ID = 43827) . none of these (Option ID = 43829) . none of these (Option ID = 43830) . none of these (Option ID = 43830) . No advanced to the second of the shop they are willing to wait for service once they arrival pattern of customers on week days appears to follow of the shop they are willing to wait for service once they arrival pattern of customers on week days appears to follow customers (Option ID = 43830) . A bakery shop is operated by one person, the owner. The arrival pattern of customers on week days appears to follow customers (Option ID = 43830) . A bakery shop is operated by one person, the owner. The arrival pattern of customers on week days	I. none of these [Option ID = 43817]		
30) Stock turnover increases when [Question ID = 10956] . mumber of units sold in a period increases [Option ID - 43818] . mumber of units sold in a period increases [Option ID - 43819] . average stock increases [Option ID - 43820] . average stock increases [Option ID - 43818] . average stock increases [Option ID - 43818] . average stock increases [Option ID - 43821] . time at least time to process the delivery (Option ID - 43822] . time at the supplier [Option ID - 43823] . time at the supplier [Option ID - 43824] . all of these [Option ID - 43825] . all of these [Option ID - 43825] . all of these [Option ID - 43825] . average stock increases [Option ID - 43826] . feasible region will become larger [Option ID - 43828] . none of these [Option ID - 43827] . avoiction will become larger [Option ID - 43828] . none of these [Option ID - 43828] . average stock increases [Option ID - 43829] . average stock increases [Option ID - 43829	Correct Answer :-		
[Question ID = 19956] . number of units sold in a period increases [Option ID - 43818] . number of units sold in a period decreases [Option ID - 43819] . none of these [Option ID - 43820] . time at the supplier [Option ID - 43822] . time at the supplier [Option ID - 43823] . time at the supplier [Option ID - 43824] . all of these [Option ID - 43825] . Option ID = 10958] . Correct Answer : all of these [Option ID - 43825] . If a non-redundant constraint is removed from a linear programming problem, then [Question ID = 10958] . Consider region will become larger [Option ID - 43826] . consider region will become smaller [Option ID - 43826] . consider region will become smaller [Option ID - 43826] . none of these [Option ID - 43827] . none of these [Option ID - 43829] . none of these [Option ID - 43829] . Option ID = 10959] . Solution will become larger [Option ID - 43826] . Solution will become infeatible [Option ID - 43827] . Solution will become infeatible [Option ID - 43828] . None of these [Option ID - 43829] . Solution will become larger [Option ID - 43826] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43829] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution wi	a list of the items held in stock [Option ID =	43814]	
[Question ID = 19956] . number of units sold in a period increases [Option ID - 43818] . number of units sold in a period decreases [Option ID - 43819] . none of these [Option ID - 43820] . time at the supplier [Option ID - 43822] . time at the supplier [Option ID - 43823] . time at the supplier [Option ID - 43824] . all of these [Option ID - 43825] . Option ID = 10958] . Correct Answer : all of these [Option ID - 43825] . If a non-redundant constraint is removed from a linear programming problem, then [Question ID = 10958] . Consider region will become larger [Option ID - 43826] . consider region will become smaller [Option ID - 43826] . consider region will become smaller [Option ID - 43826] . none of these [Option ID - 43827] . none of these [Option ID - 43829] . none of these [Option ID - 43829] . Option ID = 10959] . Solution will become larger [Option ID - 43826] . Solution will become infeatible [Option ID - 43827] . Solution will become infeatible [Option ID - 43828] . None of these [Option ID - 43829] . Solution will become larger [Option ID - 43826] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43829] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution will become infeatible [Option ID - 43828] . Solution wi			
[Question ID = 10956]  . number of units sold in a period increases [Option ID - 43818]  . number of units sold in a period decreases [Option ID - 43819]  . number of units sold in a period decreases [Option ID - 43819]  . none of these [Option ID - 43821]  . none of these [Option ID - 43821]  . none of these [Option ID - 43821]  31) The lead time occurs because of [Question ID - 43818]  31) The lead time occurs because of [Question ID - 43822]  . time for order preparation [Option ID - 43822]  . time to process the delivery [Option ID - 43823]  . time at the supplier [Option ID - 43823]  22) If a non-redundant constraint is removed from a linear programming problem, then [Question ID - 10958]  1. feasible region will become larger [Option ID - 43827]  2. solution will become larger [Option ID - 43828]  1. feasible region will become larger [Option ID - 43828]  2. none of these [Option ID - 43829]  Correct Answer :-  • feasible region will become larger [Option ID - 43828]  3. none of these [Option ID - 43829]  Correct Answer :-  • feasible region will become larger [Option ID - 43826]  3. The ordering cost is Rs. 125 per order for a certain type of commodity whose holding cost per unit is Rs. 6 per year, the annual demand is 6,000 units and the replacement is instantaneous and no shortages are allowed then the EOQ [Special ID - 43831]  3. Ob units [Option ID - 43833]  3. Ob units [Option ID - 43	30) Stock turnover increases when		
number of units sold in a period decreases [Option ID = 43818] number of units sold in a period decreases [Option ID = 43829] average stock increases [Option ID = 43820] average stock increases [Option ID = 43820] average stock increases [Option ID = 43820] none of these [Option ID = 43821] time for order preparation [Option ID = 43822] time for order preparation [Option ID = 43823] time for order preparation [Option ID = 43823] time for order preparation [Option ID = 43823] all of these [Option ID = 43825] all of these [Option ID = 43826] feasible region will become larger [Option ID = 43828] none of these [Option ID = 43829] none of these [Option ID = 43829] none of these [Option ID = 43829] none of these [Option ID = 43830] none of these [Option ID = 438	[Question ID = 10956]		
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Correct Answer:  - unumber of units sold in a period increases [Option ID = 43818]  31) The lead time occurs because of [Question ID = 10957]  - time for order preparation [Option ID = 43822]  - time to process the delivery [Option ID = 43823]  - time at the supplier [Option ID = 43824]  - all of these [Option ID = 43825]  32) If a non-redundant constraint is removed from a linear programming problem, then [Question ID = 10958]  - all of these [Option ID = 43825]  32) If a non-redundant constraint is removed from a linear programming problem, then [Question ID = 10958]  - feasible region will become larger [Option ID = 43826]  - feasible region will become unalier [Option ID = 43828]  - none of these [Option ID = 43829]  - correct Answer:  - feasible region will become larger [Option ID = 43828]  - none of these [Option ID = 43829]  - for ordering cost is Rs. 125 per order for a certain type of commodity whose holding cost per unit is Rs. 6 per year. the annual demand is 6,000 units, and the replacement is instantaneous and no shortages are allowed then the EOQ [Question ID = 10959]  - 500 units [Option ID = 43830]  - 501 units [Option ID = 43830]  - 502 units [Option ID = 43830]  - 503 units [Option ID = 43830]  - 504 units [Option ID = 43830]  - 505 units [Option I	. number of units sold in a period decreases [0	ption ID = 43819]	
Correct Answer:  In number of units sold in a period increases (Option ID = 43818)  31) The lead time occurs because of (Question ID = 10957)  Lime for order preparation (Option ID = 43822)  Lime for profes the delivery (Option ID = 43823)  Lime at the supplice (Option ID = 43824)  Lime at the supplice (Option ID = 43824)  Lime at the supplice (Option ID = 43825)  Correct Answer:  I all of these (Option ID = 43825)  32) If a non-redundant constraint is removed from a linear programming problem, then (Question ID = 10958)  Leasable region will become larger (Option ID = 43826)  Leasable region will become larger (Option ID = 43828)  Leasable region will become infeasible (Option ID = 43828)  Correct Answer:  Leasable region will become larger (Option ID = 43828)  Correct Answer:  Leasable region will become larger (Option ID = 43828)  The ordering cost is Rs. 125 per order for a certain type of commodity whose holding cost per unit is Rs. 6 per year, the annual demand is 6,000 units and the replacement is instantaneous and no shortages are allowed then the EOQ is	<ol> <li>average stock increases [Option ID = 43820]</li> </ol>		
mumber of units sold in a period increases (Option ID = 43818)  31) The lead time occurs because of (Question ID = 10987) . time for other preparation (Option ID = 43822) . time to process the delivery (Option ID = 43823) . time at the supplier (Option ID = 43823) . time at the supplier (Option ID = 43823) . time to process the delivery (Option ID = 43824) . all of these (Option ID = 43825)  Correct Answer :  all of these (Option ID = 43825)  32) If a non-redundant constraint is removed from a linear programming problem, then (Question ID = 10988) . feasable region will become larger (Option ID = 43826) . feasable region will become smaller (Option ID = 43826) . feasable region will become smaller (Option ID = 43826) . none of these (Option ID = 43829)  Correct Answer :  feasable region will become larger (Option ID = 43826)  33) The ordering cost is Rs. 125 per order for a certain type of commodity whose holding cost per unit is Rs. 6 per year, the annual demand is 6,000 units and the replacement is instantaneous and no shortages are allowed then the EOQ (Duestion ID = 43830) . Soo units (Option ID = 43830) . Soo units (Option ID = 43833) . Soo units (Option ID = 43833)  Correct Answer :  soo units (Option ID = 43833)  Correct Answer :  soo units (Option ID = 43833)  Correct Answer :  soo units (Option ID = 43833)  Correct Answer :  soo units (Option ID = 43834) . J3 customers (Option ID = 43835) . J3 customers (Option ID = 43836) . J4 customers (Option ID = 43837)  35) A company has recorded the following list of service rates (customers/hour) for one of lits servers as 4, 4, 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6, 5, 4 . 5, 6 . 5, 6 . 5, 6 . 5, 6 . 5, 6 . 5, 6 . 5, 6 . 5, 6 . 5, 6 . 5, 6 . 5, 6 . 5,	I. none of these [Option ID = 43821]		
31) The lead time occurs because of [Question ID = 10957]  1 time for order preparation [Option ID = 43822]  1 time to process the delivery (Option ID = 43823]  1 time at the supplier (Option ID = 43824]  2 all of these (Option ID = 43825]  32) If a non-redundant constraint is removed from a linear programming problem, then [Question ID = 10958]  32) If a non-redundant constraint is removed from a linear programming problem, then [Question ID = 10958]  33) If a constraint is removed from a linear programming problem, then [Question ID = 10958]  34) If a non-redundant constraint is removed from a linear programming problem, then [Question ID = 10958]  35) If a non-redundant constraint is removed from a linear programming problem, then [Question ID = 10958]  36) If a non-redundant constraint is removed from a linear programming problem, then [Question ID = 10959]  37) The ordering cost is Rs. 125 per order for a certain type of commodity whose holding cost per unit is Rs. 6 per year. the annual demand is 6,000 units [Option ID = 43826]  37) The ordering cost is Rs. 125 per order for a certain type of commodity whose holding cost per unit is Rs. 6 per year. the annual demand is 6,000 units [Option ID = 43826]  38) The ordering cost is Rs. 125 per order for a certain type of commodity whose holding cost per unit is Rs. 6 per year. the annual demand is 6,000 units [Option ID = 43830]  39) Units [Option ID = 43830]  500 units [Option ID = 43831]  500 units [Option ID = 43830]  301 A bakery shop is operated by one person, the owner. The arrival pattern of customers on week days appears to following units [Option ID = 43830]  303 A bakery shop is operated by one person, the owner. The arrival pattern of customers on week days appears to following units [Option ID = 43830]  304 A bakery shop is operated by one person, the owner. The arrival pattern of customers on week days appears to following units of the service once they arrive. The time it takes to serve a customer is estimated to be exponentially distributed, with	Correct Answer :-		
31) The lead time occurs because of [Question ID = 10957]  1 time for order preparation [Option ID = 43822]  1 time to process the delivery (Option ID = 43823]  1 time at the supplier (Option ID = 43824)  1 all of these (Option ID = 43825]  2 If a non-redundant constraint is removed from a linear programming problem, then [Question ID = 10958]  32) If a non-redundant constraint is removed from a linear programming problem, then [Question ID = 10958]  1 (easible region will become larger [Option ID = 43826]  1 (easible region will become mailer [Option ID = 43826]  2 (option ID = 43829)  2 (option ID = 43829)  33) The ordering cost is Rs. 125 per order for a certain type of commodity whose holding cost per unit is Rs. 6 per year. the annual demand is 6,000 units and the replacement is instantaneous and no shortages are allowed then the EOQ (Sprion ID = 43830)  3 (option ID = 10959)  3 (option ID = 43830)  3 (option ID = 43830)  5 (option ID = 43830)  6		ption ID = 43818]	
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[Question ID = 10958] - feasible region will become smaller [Option ID = 43826] - feasible region will become infeasible [Option ID = 43828] - none of these [Option ID = 43829]  Correct Answer : feasible region will become larger [Option ID = 43828] - none of these [Option ID = 43829]  Correct Answer : feasible region will become larger [Option ID = 43826]  33) The ordering cost is Rs. 125 per order for a certain type of commodity whose holding cost per unit is Rs. 6 per year, the annual demand is 6,000 units and the replacement is instantaneous and no shortages are allowed then the EOQ is	all of these [Option ID = 43825]		
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33) The ordering cost is Rs. 125 per order for a certain type of commodity whose holding cost per unit is Rs. 6 per year, the annual demand is 6,000 units and the replacement is instantaneous and no shortages are allowed then the EOQ is  [Question ID = 10959]  . 500 units [Option ID = 43830]  . 800 units [Option ID = 43831]  . 800 units [Option ID = 43831]  . 450 units [Option ID = 43832]  . 450 units [Option ID = 43833]  Correct Answer:  • 500 units [Option ID = 43830]  34) A bakery shop is operated by one person, the owner. The arrival pattern of customers on week days appears to folion the reputation of the shop they are willing to wait for service once they arrive. The time it takes to serve a customer is estimated to be exponentially distributed, with an average service time of 2 min. The average size of the queue is  [Question ID = 10960]  . 1/3 customers [Option ID = 43834]  . 1/2 customers [Option ID = 43835]  . 2/3 customers [Option ID = 43837]  Correct Answer:  • 1/6 customers [Option ID = 43837]  Correct Answer:  • 1/6 customers [Option ID = 43837]		<b>43826</b> ]	
the annual demand is 6,000 units and the replacement is instantaneous and no shortages are allowed then the EOQ is			
the annual demand is 6,000 units and the replacement is instantaneous and no shortages are allowed then the EOQ is  [Question ID = 10959] . 500 units [Option ID = 43830] . 800 units [Option ID = 43831] . 550 units [Option ID = 43832] . 450 units [Option ID = 43833]  Correct Answer: • 500 units [Option ID = 43830]  34) A bakery shop is operated by one person, the owner. The arrival pattern of customers on week days appears to folk Poisson distribution, with a mean arrival rate of 10 people per hour. Customers are served on a FIFO basis, and because the reputation of the shop they are willing to wait for service once they arrive. The time it takes to serve a customer is estimated to be exponentially distributed, with an average service time of 2 min. The average size of the queue is  [Question ID = 10960] . 1/3 customers [Option ID = 43834] . 1/2 customers [Option ID = 43835] . 2/3 customers [Option ID = 43836] . 1/6 customers [Option ID = 43837]  Correct Answer: • 1/6 customers [Option ID = 43837]	33) The ordering cost is Rs 125 per ord	ler for a certain type of commodity whose h	polding cost per unit is Rs. 6 per year.
[Question ID = 10959] . 500 units (Option ID = 43830] . 800 units (Option ID = 43831] . 550 units (Option ID = 43832] . 450 units (Option ID = 43833]  Correct Answer: • 500 units (Option ID = 43830)  34) A bakery shop is operated by one person, the owner. The arrival pattern of customers on week days appears to folke Poisson distribution, with a mean arrival rate of 10 people per hour. Customers are served on a FIFO basis, and because the reputation of the shop they are willing to wait for service once they arrive. The time it takes to serve a customer is estimated to be exponentially distributed, with an average service time of 2 min. The average size of the queue is  [Question ID = 10960] . 1/3 customers (Option ID = 43834] . 1/2 customers (Option ID = 43835) . 2/3 customers (Option ID = 43835) . 1/6 customers (Option ID = 43837)  Correct Answer: • 1/6 customers (Option ID = 43837)  Correct Answer: • 1/6 customers (Option ID = 43837)			
[Question ID = 10959] . 500 units [Option ID = 43830] . 800 units [Option ID = 43831] . 550 units [Option ID = 43832] . 450 units [Option ID = 43833]  Correct Answer: • 500 units [Option ID = 43830]  34) A bakery shop is operated by one person, the owner. The arrival pattern of customers on week days appears to folke Poisson distribution, with a mean arrival rate of 10 people per hour. Customers are served on a FIFO basis, and because the reputation of the shop they are willing to wait for service once they arrive. The time it takes to serve a customer is estimated to be exponentially distributed, with an average service time of 2 min. The average size of the queue is  [Question ID = 10960] . 1/3 customers [Option ID = 43834] . 1/2 customers [Option ID = 43834] . 1/2 customers [Option ID = 43835] . 2/3 customers [Option ID = 43837]  Correct Answer: • 1/6 customers [Option ID = 43837]  Correct Answer: • 1/6 customers [Option ID = 43837]		ne replacement is instantaneous and no sho	rages are allowed then the EUQ
. 500 units [Option ID = 43830] . 800 units [Option ID = 43831] . 550 units [Option ID = 43832] . 450 units [Option ID = 43833]  Correct Answer: • 500 units [Option ID = 43830]  34) A bakery shop is operated by one person, the owner. The arrival pattern of customers on week days appears to folked poisson distribution, with a mean arrival rate of 10 people per hour. Customers are served on a FIFO basis, and because the reputation of the shop they are willing to wait for service once they arrive. The time it takes to serve a customer is estimated to be exponentially distributed, with an average service time of 2 min. The average size of the queue is  [Question ID = 10960] . 1/3 customers [Option ID = 43834] . 1/2 customers [Option ID = 43834] . 1/2 customers [Option ID = 43835] . 2/3 customers [Option ID = 43837]  Correct Answer: • 1/6 customers [Option ID = 43837]  Correct Answers (Option ID = 43837)			
2. 800 units [Option ID = 43831] 3. 550 units [Option ID = 43832] 3. 450 units [Option ID = 43833]  Correct Answer: 5. 500 units [Option ID = 43830]  34) A bakery shop is operated by one person, the owner. The arrival pattern of customers on week days appears to folion poisson distribution, with a mean arrival rate of 10 people per hour. Customers are served on a FIFO basis, and because the reputation of the shop they are willing to wait for service once they arrive. The time it takes to serve a customer is estimated to be exponentially distributed, with an average service time of 2 min. The average size of the queue is  [Question ID = 10960] 1. 1/3 customers [Option ID = 43834] 1. 1/2 customers [Option ID = 43835] 1. 2/3 customers [Option ID = 43836] 1. 1/6 customers [Option ID = 43837]  Correct Answer: 1/6 customers [Option ID = 43837]  Correct Answer: 1/6 customers [Option ID = 43837]			
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Correct Answer:  500 units [Option ID = 43833]  34) A bakery shop is operated by one person, the owner. The arrival pattern of customers on week days appears to folk Poisson distribution, with a mean arrival rate of 10 people per hour. Customers are served on a FIFO basis, and because the reputation of the shop they are willing to wait for service once they arrive. The time it takes to serve a customer is estimated to be exponentially distributed, with an average service time of 2 min. The average size of the queue is  [Question ID = 10960]  1/3 customers [Option ID = 43834]  1/2 customers [Option ID = 43835]  1/3 customers [Option ID = 43836]  1/4 customers [Option ID = 43837]  Correct Answer:  1/6 customers [Option ID = 43837]			
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Solution 500 units [Option ID = 43830]  A bakery shop is operated by one person, the owner. The arrival pattern of customers on week days appears to follow Poisson distribution, with a mean arrival rate of 10 people per hour. Customers are served on a FIFO basis, and because the reputation of the shop they are willing to wait for service once they arrive. The time it takes to serve a customer is estimated to be exponentially distributed, with an average service time of 2 min. The average size of the queue is  [Question ID = 10960]  1/3 customers [Option ID = 43834]  1/2 customers [Option ID = 43835]  2/3 customers [Option ID = 43837]  Correct Answer:  1/6 customers [Option ID = 43837]			
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estimated to be exponentially distributed, with an average service time of 2 min. The average size of the queue is  [Question ID = 10960]  1/3 customers [Option ID = 43834]  1/2 customers [Option ID = 43835]  2/3 customers [Option ID = 43836]  1/6 customers [Option ID = 43837]  Correct Answer:  1/6 customers [Option ID = 43837]  35) A company has recorded the following list of service rates (customers/hour) for one of its servers as 4, 4, 5, 6, 5, 4	Poisson distribution, with a mean arriva	l rate of 10 people per hour, Customers are	e served on a FIFO basis, and because
is  [Question ID = 10960] . 1/3 customers [Option ID = 43834] . 1/2 customers [Option ID = 43835] . 2/3 customers [Option ID = 43836] . 1/6 customers [Option ID = 43837]  Correct Answer:-  1/6 customers [Option ID = 43837]  35) A company has recorded the following list of service rates (customers/hour) for one of its servers as 4, 4, 5, 6, 5, 4	the reputation of the shop they are wil	ing to wait for service once they arrive. Th	e time it takes to serve a customer is
is  [Question ID = 10960] . 1/3 customers [Option ID = 43834] . 1/2 customers [Option ID = 43835] . 2/3 customers [Option ID = 43836] . 1/6 customers [Option ID = 43837]  Correct Answer:-  1/6 customers [Option ID = 43837]  35) A company has recorded the following list of service rates (customers/hour) for one of its servers as 4, 4, 5, 6, 5, 4	estimated to be exponentially distribut	ed, with an average service time of 2 min.	The average size of the queue
. 1/3 customers [Option ID = 43834] . 1/2 customers [Option ID = 43835] . 2/3 customers [Option ID = 43836] . 1/6 customers [Option ID = 43837]  Correct Answer:  1/6 customers [Option ID = 43837]  A company has recorded the following list of service rates (customers/hour) for one of its servers as 4, 4, 5, 6, 5, 4	is		-
. 1/3 customers [Option ID = 43834] . 1/2 customers [Option ID = 43835] . 2/3 customers [Option ID = 43836] . 1/6 customers [Option ID = 43837]  Correct Answer:  1/6 customers [Option ID = 43837]  A company has recorded the following list of service rates (customers/hour) for one of its servers as 4, 4, 5, 6, 5, 4			
1. 1/2 customers [Option ID = 43835] 1. 2/3 customers [Option ID = 43836] 1. 1/6 customers [Option ID = 43837]  Correct Answer: 1/6 customers [Option ID = 43837]  1/6 customers [Option ID = 43837]  35) A company has recorded the following list of service rates (customers/hour) for one of its servers as 4, 4, 5, 6, 5, 4			
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Correct Answer :-  1/6 customers [Option ID = 43837]  35) A company has recorded the following list of service rates (customers/hour) for one of its servers as 4, 4, 5, 6, 5, 4	3. 2/3 customers [Option ID = 43836]		
1/6 customers [Option ID = 43837]  35) A company has recorded the following list of service rates (customers/hour) for one of its servers as 4, 4, 5, 6, 5, 4	. 1/6 customers [Option ID = 43837]		
1/6 customers [Option ID = 43837]  35) A company has recorded the following list of service rates (customers/hour) for one of its servers as 4, 4, 5, 6, 5, 4	Correct Answer :-		
35). A company has recorded the following list of service rates (customers/hour) for one of its servers as 4, 4, 5, 6, 5, 4			
	£-F3		
	35) A company has recorded the follow	ring list of service rates (customers/hour) for	or one of its servers as 4, 4, 5, 6, 5, 4
		-	, , , , , , , , , , , , , , , , , , , ,
[Question ID = 10961] www.FirstRanker.com			
	. v.zz minutes [Uption ID = 43838]		
. 0.22 minutes [Option ID = 43838] . 13.3 minutes [Option ID = 43839]			

42) The sign magnitude for -3 is\_

[Question ID = 10995]
1. 00000011 [Option ID = 43974]
2. 10000011 [Option ID = 43975]
3. 11111101 [Option ID = 43976]

4. 11111100 [Option ID = 43977]

Correct Answer :

[Question ID = 10996]  1. Main Address Register [Option ID = 43978]  2. Memory Access Register [Option ID = 43979]  3. Main Accessible Register [Option ID = 43980]  4. Memory Address Register [Option ID = 43981]	www.FirstRanker.com	www.FirstRanker.com
Correct Answer :-  • Memory Address Register [Option ID = 43981]		
44) The number of bits in Arithmetic and Log [Question ID = 10997] 1. 4 [Option ID = 43982] 2. 16 [Option ID = 43983] 3. 8 [Option ID = 43984] 4. 2 [Option ID = 43985]	gic Unit is	
Correct Answer :- • 16 [Option ID = 43983]		
45) The difference between memory and sto [Question ID = 10998] 1. temporary, permanent [Option ID = 43986] 2. permanent, temporary [Option ID = 43987] 3. slow, fast [Option ID = 43988] 4. fast, slow [Option ID = 43989]	orage is that memory is and	storage is
Correct Answer :- • temporary, permanent [Option ID = 43986]	cO)	
46) The most popular first generation compu [Question ID = 10999] 1. IBM 1650 [Option ID = 43990] 2. IBM 360 [Option ID = 43991] 3. IBM 1130 [Option ID = 43992] 4. IBM 2700 [Option ID = 43993]	iter was	
Correct Answer :- • IBM 1650 [Option ID = 43990]		
47) The Boolean algebra property that allows of the operation is  [Question ID = 11000]  1. associative [Option ID = 43994]  2. commutative [Option ID = 43996]  3. distributive [Option ID = 43997]	s to group operands in an expression in	n any order without affecting the results
Correct Answer :- • commutative [Option ID = 43995]		
48) What does the abbreviation "http" stand [Question ID = 11001]  1. High Task Termination Procedure [Option ID = 4399;  2. Hypertext Transfer Procedure [Option ID = 43999]  3. Hypertext Transfer Protocol [Option ID = 44000]  4. none of these [Option ID = 44001]		
Correct Answer :-  • Hypertext Transfer Protocol [Option ID = 44000]		
49) The logic gate that provides high output [Question ID = 11005]  1. NOT [Option ID = 44014]  2. AND [Option ID = 44015]  3. X-NOR [Option ID = 44016]  4. XOR [Option ID = 44017]	for same inputs is	
Correct Answer :-  • X-NOR [Option ID = 44016]	www.FirstRanker.com	
50) In a RAM, information can be stored	WWW.I II SURGINGI COIII	

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57) A specific range of numbers within which a population mean should lie is\_

4.18 [Option ID = 44046]

the confidence level [Option ID = 44053]	www.rirstRanker.com	www.FirstRanker.com
Correct Answer :-  • the confidence interval [Option ID = 44052]		
58) The coefficient of skewness is always ze [Question ID = 11017]  1. symmetrical [Option ID = 44062]  2. positively skewed [Option ID = 44063]  3. negatively skewed [Option ID = 44064]  4. none of these [Option ID = 44065]	ero for distribution.	
Correct Answer :-  • symmetrical [Option ID = 44062]		
59) When testing the difference between to [Question ID = 11018]  1. proportion 1 is greater than proportion 2 [Option ID 2. the population proportions are unequal [Option ID 3. the population proportions are equal [Option ID 4. the pooled proportion equals the pooled variance [Option ID 4. the pooled proportion equals the pooled variance [Option ID 4. the pooled proportion equals the pooled variance [Option ID 4. the pooled proportion equals the pooled variance [Option ID 4. the pooled proportion equals [Option ID 4.	D = 44066] = 44067] !4068]	ually that
Correct Answer :-  • the population proportions are equal [Option ID = 4]	14068]	
60) Suppose the correlation coefficient bet Then correlation coefficient of height measure ounces = one pound) is, [Question ID = 11019] 1. 0.40 [Option ID = 44070] 2. 0.30 [Option ID = 44071] 3. 0.33 [Option ID = 44072] 4. cannot be determined from the given information [ID = 44071]	ured in inches versus weight measured in	
Correct Answer :-  • 0.40 [Option ID = 44070]		
61) Hypothesis tests are designed so that th [Question ID = 11020]  1. null [Option ID = 44074]  2. alternative [Option ID = 44075]  3. incorrect [Option ID = 44076]  4. none of these [Option ID = 44077]	he hypothesis will be rejected.	
Correct Answer :- • null [Option ID = 44074]		
62) The correlation coefficient is the [Question ID = 11021]  1. arithmetic mean [Option ID = 44078]  2. harmonic mean [Option ID = 44079]  3. geometric mean [Option ID = 44080]  4. median [Option ID = 44081]	of two regression coefficients,	
Correct Answer :- • geometric mean [Option ID = 44080]		
63) The chi-square test can be too sensitive [Question ID = 11022] 1. very small [Option ID = 44082] 2. very large [Option ID = 44083] 3. homogeneous [Option ID = 44084] 4. predictable [Option ID = 44085]	e if the sample is	
Correct Answer :- • very large [Option ID = 44083]		
64) The set $S = \{(x_1, x_2): -1 < x_1 < x_2 < $	1, -2 < 12 S S has www.FirstRanker.com	

[Question ID = 11024]

on 1D = 44090	nker's choice	****		
whitestra	nker's choice	www.FirstRanker.com	www.FirstRanker.com	
[Option ID = 44091 3. infinite vertices	]			
[Option ID = 44092 4. none of these	1			
[Option ID = 44093	1			
Correct Answer :-				
<ul> <li>no vertex</li> </ul>				
[Option ID = 44090	]			
4E) .				
		n workers where $m < n$ . Then the	number of basic feasible solutions of the	
problem is				
[Question ID = 110 1. $\binom{n^2}{n}$	025]			
(2n)				
2. $\binom{mn}{m+n}$	1			
3. $\binom{m+n}{mn}$	1			
[Option ID = 44096 4. none of these [Opt				
Correct Answer :-				
• $\binom{n^2}{2n}$				
[Option ID = 44094	]			
66) The linear pr	ogramming problem $\max z$	$= x_1 + x_2 \text{ s.t.} x_1 + x_2 \le 8, 2x_1$	$+x_2 \le 10, x_1 \ge 0, \ x_2 \ge 0$ has	
[Question ID = 11	0261			
alternate optimal s	olution			
[Option ID = 44098 2. unique optimal solu				
[Option ID = 44099	1			
<ol> <li>unbounded solution</li> </ol>				
[Option ID = 44100	]			
<ol><li>none of these</li></ol>				
[Option ID = 44101	]			
Correct Answer :-				
<ul> <li>alternate optimal s</li> </ul>				
[Option ID = 44098	]			
67) The number	of arrivals to a store follows	a Poisson distribution with mean	λ =10/hour. Then the mean inter-arrival tim	ne
is				
[Question ID = 110 1. 6 seconds	027]			
[Option ID = 44102 2. 6 minutes	1			
[Option ID = 44103 3. 10 minutes	l			
[Option ID = 44104	]			

Correct Answer :-

[Option ID = 44105]

68) Let the reliability of a system is defined by  $R(t) = e^{-2t}$  where  $\lambda = 0.0004$  failures per hour. Then the Mean time to

Failure (MTTF) is

[Question ID = 11028]

1. 2500 hours

[Option ID = 44106]

2. 2400 hours

[Option ID = 44107]

3. 2300 hours

[Option ID = 44108]

4. 4000 hours

[Option ID = 44109]

Correct Answer :-

2500 hours

[Option ID = 44106]

69) For a feasible primal (maximization)-dual (minimization) pair of linear programming problems, we have

[Question ID = 11029]

1. dual objective value = primal objective value

[Option ID = 44110]

2. dual objective value < primal objective value

[Option ID = 44111]

3. primal objective value < dual objective value

[Option ID = 44112]

4. none of these

[Option ID = 44113]

Correct Answer :-

primal objective value < dual objective value</li>

[Option ID = 44112]

Given that eigen values of a matrix  $S = \begin{bmatrix} 2 & 3 \\ x & y \end{bmatrix}$  are 4 and 8, then

[Question ID = 11030]

1. 
$$x = 4, y = 0$$

$$x = 5, y = 8$$

[Option ID = 44115]

$$x = -4, y = 10$$

[Option ID = 44116]

4. none of these

[Option ID = 44117]

Correct Answer :-

• 
$$x = -4, y = 10$$

[Option ID = 44116]

71) Which of the following functions can be used as an integrating factor to turn the non-exact differential equation  $(3y \cos x - xy \sin x) + 2x \cos x \frac{dy}{dx} = 0 \text{ into an exact equation?}$ 

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```
[Option ID = 44119]
3. y<sup>2</sup>
```

[Option ID = 44120]

4. none of these

[Option ID = 44121]

#### Correct Answer :-

x²y

[Option ID = 44119]

72) If f is a linear function and 0 < a < b, then  $\int_a^b f'(x) dx =$ 

# [Question ID = 11032]

1.

[Option ID = 44122]

Z.,

[Option ID = 44123]

3. b-a

[Option ID = 44124]

4. none of these [Option ID = 44125]

#### Correct Answer :-

. (

[Option ID = 44122]

73) If p is a polynomial of degree n, n > 0, then the degree of the polynomial  $Q(x) = \int_0^x p(t) dt$  is\_\_\_\_\_.

#### [Question ID = 11033]

1. n

[Option ID = 44126]

2. n+1

[Option ID = 44127]

3. n-1

[Option ID = 44128]

4. 0 [Option ID = 44129]

#### Correct Answer :-

n+1

[Option ID = 44127]

74) 
$$\int_0^\infty x^2 e^{-x^3} dx =$$

[Option ID = 44130]

- 2. 0 [Option ID = 44131]
- 1 [Option ID = 44132]
- 4.

[Option ID = 44133]

# Correct Answer :-

• 1

[Option ID = 44133]

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75) The series  $1^3 + 2^3 + 3^3 + \dots + n^3 + \dots$  is\_\_\_\_\_

[Option ID = 44134]	www.FirstRanker.com	www.FirstRanker.com
2. convergent		
[Option ID = 44135] 3. bounded		
[Option ID = 44136] 4. both convergent and bounded		
[Option ID = 44137]		
Correct Answer :-		
divergent		
[Option ID = 44134]		
76) Every monotonic increasing sequence wi	hich is, diverges to	
[Question ID = 11036]  1. not bounded above,— OO		
[Option ID = 44138] 2. not bounded above, +00		
[Option ID = 44139] 3. not bounded below,—00		
[Option ID = 44140] 4. not bounded below, + co		
[Option ID = 44141]		
Correct Answer :-  not bounded above,— OO		
[Option ID = 44138]		
77) If $f(x) = e^x sinx$ , then the number of zero	es of $f$ on the closed interval [0, $2\pi$ ] is	
[Question ID = 11037] 1. 0 [Option ID = 44142] 2. 1 [Option ID = 44143] 3. 2 [Option ID = 44144] 4. 3 [Option ID = 44145]		
Correct Answer :-  • 3 [Option ID = 44145]		
78) Let $f(x) = 3x + 1$ for all real $x$ and let $\varepsilon$	> 0. For which of the following choices of	$\delta$ is $ f(x) - 7  < \varepsilon$ whenever
$ x-2  < \delta$ ?		
[Question ID = 11038] 1. $\frac{\varepsilon}{4}$		
[Option ID = 44146] 2. $\frac{\varepsilon}{2}$		
3. $\frac{[\text{Option ID} = 44147]}{\varepsilon+1}$		
[Option ID = 44148] 4. none of these [Option ID = 44149]		
Correct Answer :-		
• - 4		
[Option ID = 44146]		
<b>79)</b> Let $< f_n >$ be a convergent sequence and $<$	www.FirstRanker.comen	

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$$\lim_{n\to\infty}\frac{f_n}{g_n}=0$$

[Option ID = 44151]

$$3. < f_n + g_n >$$
is convergent

[Option ID = 44152]

4. 2π

[Option ID = 44153]

#### Correct Answer :-

2π

[Option ID = 44153]

The function 
$$f(x) = \begin{cases} -1, when - \pi \le x \le 0 \\ 1, when 0 \le x \le \pi \end{cases}$$
 is periodic of period

[Question ID = 11040]

[Option ID = 44154]

2. n

[Option ID = 44155]

 $3. -2\pi$ 

[Option ID = 44156]

2π

[Option ID = 44157]

#### Correct Answer :-

2π

[Option ID = 44157]

81) The number of onto linear transformation from R3 to R4 is

### [Question ID = 11041]

- 1. 0 [Option ID = 44158]
- 2. 1 [Option ID = 44159]
- 3. 2 [Option ID = 44160]
- 4. 3 [Option ID = 44161]

#### Correct Answer :-

0 [Option ID = 44158]

All eigen values of the matrix 
$$\begin{bmatrix} 1 & 2 & 0 \\ 2 & 1 & 0 \\ 0 & 0 & -1 \end{bmatrix}$$
 lie in the disc

$$|\lambda + 1| \le 1$$

[Option ID = 44162]

[Option ID = 44163]

$$|\lambda + 1| \le 0$$

[Option ID = 44164]

[Option ID = 44165]

#### Correct Answer :-

•  $|\lambda - 1| \leq 2$ 

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[Question ID = 11043]

all eigen values of A are negative

[Option ID = 44166]

2. all eigen values of A are positive

[Option ID = 44167]

3. exactly one eigen value of  $\Delta$  is 0

[Option ID = 44168]

4. none of these

[Option ID = 44169]

#### Correct Answer :-

· all eigen values of A are positive

[Option ID = 44167]

84) If A is a 7 x 5 matrix of rank 3 and B is 5 x 7 matrix of rank 5, then the rank of the matrix AB is\_\_\_\_\_

#### [Question ID = 11044]

- 1. 3 [Option ID = 44170]
- 2. 5 [Option ID = 44171]
- 7 [Option ID = 44172]
- 4. 2 [Option ID = 44173]

#### Correct Answer :-

- 3 [Option ID = 44170]
- 85) If the order of a set A is 3 and that of a set B is 3, then the number of relations from A to B is\_\_\_\_\_\_

# [Question ID = 11045]

- 1. 512 [Option ID = 44174]
- 2. 64 [Option ID = 44175]
- 3. 32 [Option ID = 44176]
- 4. 256 [Option ID = 44177]

#### Correct Answer :-

- 512 [Option ID = 44174]
- 86) The series  $\sum_{n=1}^{\infty} \frac{(x+2)^n}{\sqrt{n}}$  converges for

# [Question ID = 11046]

1. 
$$-3 < x < -1$$

[Option ID = 44178]

$$2 - 3 \le x < -1$$

[Option ID = 44179]

$$3 - 3 \le x \le -1$$

[Option ID = 44180]

4. none of these

[Option ID = 44181]

#### Correct Answer :-

•  $-3 \le x < -1$ 

[Option ID = 44179]

87) The values of x for which the infinite series  $\sum_{n=1}^{\infty} \frac{(x-1)^n}{n}$  converge are

[Question ID = 11047]

$$1 - 1 \le x < 1$$

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[Option ID = 44184]

4.  $0 \le x \le 2$ 

[Option ID = 44185]

Correct Answer :-

•  $0 \le x < 2$ 

[Option ID = 44183]

The set of points of continuity of the function  $f(x) = \begin{cases} 0, & \text{if } x \text{ is } rational \\ \sin|x|, & \text{if } x \text{ is } irrational \end{cases}$ 

[Question ID = 11048]

1. countable

[Option ID = 44186]

2. bounded

[Option ID = 44187]

3. empty

[Option ID = 44188]

4. none of these

[Option ID = 44189]

Correct Answer :-

countable

[Option ID = 44186]

89) The average value of the function  $f(x) = \frac{1}{x}$  on the closed interval [1,3] is\_

[Question ID = 11049]

1. 1/2

[Option ID = 44190]

2. 2/3

[Option ID = 44191]

[Option ID = 44192]

[Option ID = 44193]

Correct Answer :-

• ln 3

[Option ID = 44192]

90) Two linearly independent solutions of the differential equation  $\frac{d^2y}{dx^2} + \frac{dy}{dx} - 6y = 0$  are

[Question ID = 11050]

1. 
$$e^{-3x}$$
 and  $e^{2x}$ 

2. 
$$e^{-2x}$$
 and  $e^{3x}$ 

[Option ID = 44195]  
3. 
$$e^{-x}$$
 and  $e^{6x}$ 

4 e-6x and ex [Option ID = 44197]

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Correct Answer :-

95) If X = 1 in the logic equation  $(X + Z(Y + XY)) \cdot (X + Z(X + Y)) = 1$ , then

[Question ID = 11055]

[Option ID = 44214]

1. Y = Z

7 - 1

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	[Option	ID	-	44216]
4.	Z = 0			

[Option ID = 44217]

Correct Answer :-

Z = 0

[Option ID = 44217]

96) (734)8 = ()16

# [Question ID = 11056]

- 1. C 1 D [Option ID = 44218]
- 2. D C 1 [Option ID = 44219]
- 1 C D [Option ID = 44220]
- 4. 1 D C [Option ID = 44221]

#### Correct Answer :-

- 1 D C [Option ID = 44221]
- 97) Consider the following algorithm: \(\chi\) is initialized to 3; \(\chi\) is then replaced by its double, three times in sequence; \(\chi\) is then decremented by 3, four times in sequence. The final value of \(\chi\) is

#### [Question ID = 11057]

- 26 [Option ID = 44222]
- 2. 12 [Option ID = 44223]
- 3. 21 [Option ID = 44224]
- 4. 18 [Option ID = 44225]

#### Correct Answer :-

- 12 [Option ID = 44223]
- 98) The probability that a student passes statistics course is <sup>2</sup>/<sub>3</sub> and the probability that he passes both statistics and mathematics course is <sup>14</sup>/<sub>15</sub>. The probability that he passes atleast one course is <sup>4</sup>/<sub>53</sub>. The probability that he passes mathematics course is \_\_\_\_\_.

# [Question ID = 11058]

70

135

[Option ID = 44226]

2. 14

[Option ID = 44227]

3. 4 153

[Option ID = 44228]

4. none of these [Option ID = 44229]

#### Correct Answer :-

• 70 135

[Option ID = 44226]

99) If  $f(x) = 30x^4(1-x)$ ,  $0 \le x < 1$  is p.d.f. of a random variable  $\chi$ , then  $E(\chi)$  is\_\_\_.

# [Question ID = 11059]

- 3/7 [Option ID = 44230]
- 2. 2/7 [Option ID = 44231]
- 3. 7/5 [Option ID = 44232]
- 5/7 [Option ID = 44233]



100) For a random sample of 9 women, the avwww.firstRanker.com 76 beatswww.firstRanker.com

deviation is s = 5. The standard error of the sample mean is\_\_\_\_.

[Question ID = 11060]

1. 0.557

[Option ID = 44234]

2. 0.745

[Option ID = 44235]

3. 1.667

[Option ID = 44236]

4. 2.778

[Option ID = 44237]

Correct Answer :-

1.667

[Option ID = 44236]

