

Q1. Find the sum of $\left(1 - \frac{1}{x+1}\right) + \left(1 - \frac{2}{x+1}\right) + \left(1 - \frac{3}{x+1}\right) + \dots + \left(1 - \frac{x}{x+1}\right)$

- (a) n
(b) $\frac{1}{2}x$
(c) $(x + 1)$
(d) $\frac{1}{2}(x + 1)$

Q2. Twenty one times of a positive number is less than its square by 100. The value of the positive number is

- (a) 25
(b) 26
(c) 42
(d) 41

Q3. Two pipes of length 1.5 m and 1.2 m are to be cut into equal pieces without leaving any extra length of pipes. The greatest length of the pipe pieces of same size which can be cut from these two lengths will be

- (a) 0.13 m
(b) 0.4 m
(c) 0.3 m
(d) 0.41 m

Q4. A General of an Army wants to create a formation of square from 36562 army men. After arrangement, he found some army men remained unused. Then the number of such army men remained unused was

- (a) 36
(b) 65
(c) 81
(d) 97

Q5. The smallest number, which should be added to 756896 so as to obtain a multiple of 11, is

- (a) 1
(b) 2
(c) 3
(d) 5

Q6. A boy found the answer for the question "Subtract the sum of $\frac{1}{4}$ and $\frac{1}{5}$ from unity and express the answer in decimals" as 0.45. The percentage of error in his answer was

- (a) $(100/11)\%$
(b) 50%
(c) 10%
(d) $(200/11)\%$

Q7. The product of two numbers is 48. If one number equals "The number of wings of a bird plus 2 times the number of fingers on your hand divided by the number of wheels of a Tricycle". Then the other number is

- (a) 9
(b) 10
(c) 12
(d) 18

Q8. Natu and Buchku each have certain number of oranges. Natu says to Buchku, "If you give me 10 of your oranges, I will have twice the number of oranges left with you". Buchku replies, "If you give me 10 of your oranges, I will have the same number of oranges as left with you". What is the number of oranges with Natu and Buchku, respectively?

- (a) 50, 20
(b) 70, 50
(c) 20, 50
(d) 50, 70

Q9. Three electronic toys make a beep after every 48 sec, 72 sec and 108 sec respectively. They beeped together at 10 a.m. The time when they will next make a beep together at the earliest is

- (a) 10:07:12 hrs (b) 10:07:24 hrs
(c) 10:07:36 hrs (d) 10:07:48 hrs

Q10. Two baskets together have 640 oranges. If $(1/5)$ th of the oranges in the first basket be taken to the second basket to have equal number of oranges in both the basket. The number of oranges in the first basket is

- (a) 800 (b) 600
(c) 400 (d) 300

Q11. P can do $(1/4)$ th of work in 10 days, Q can do 40% of work in 40 days and R can do $(1/3)$ rd of work in 13 days. Who will complete the work first?

- (a) P (b) Q
(c) R (d) Both P and R

Q12. Working 7 hours in a day, 4 men can do a piece of work in 8 days. Working 8 hours in a day, the required number of men to perform the same work in 4 days will be

- (a) 8 (b) 4
(c) 7 (d) 9

Q13. 35 persons are engaged to complete a work in 60 days. After 32 days it is observed that only $(2/5)$ th part of the work has been done. The number of persons to be engaged to complete the remaining work in the said period is

- (a) 20 (b) 35
(c) 30 (d) 25

Q14. The time taken by 4 men to complete a job is double the time taken by 5 children to complete the same job. Each man is twice as fast as a woman. How long will 12 men, 10 children and 8 women take to complete a job, given that a child would finish the job in 20 days.

- (a) 4 Days (b) 3 Days
(c) 2 Days (d) 1 Day

Q15. A and B together can complete a piece of work in 12 days. They worked together for 5 days and then A alone finished the rest work in 14 days. A alone can complete the work in :

- (a) 24 days (b) 22 days
(c) 20 days (d) 18 days

Q16. A shopkeeper offers 15% discount on all plastic toys. He offers a further discount of 4% on the reduced price to those customers who pay cash. What does a customer have to pay (in Rs.) in case for a toy of Rs 200?

- (a) 133.7 (b) 129.8
(c) 163.2 (d) 153.3

Q17. A photographer allows a discount of 10% on the advertised price of a camera. The price (in Rs) that must be marked on the camera, which cost him Rs 600, to make a profit of 20% would be

- (a) 650 (b) 800
(c) 700 (d) 850

Q18. A bakery set is quoted for Rs 1500. A customer pays Rs 1173 for it. If the customer got a series of two discounts and the rate of first discount is 15% then the rate of second discount was,

- (a) 15% (b) 7%
(c) 9% (d) 8%

Q19. In a college union, there are 48 students. The ratio of the number of boys to the number of girls is 5:3. The number of girls to be added in the union, so that the number of boys to girls in 6:5 is

- (a) 6 (b) 7
(c) 12 (d) 17

Q20. There are three bottles of mixture of syrup and water of ratios 2:3, 3:4 and 7:5. 10 Litres of first and 21 Litres of second bottles are taken. How much quantity from third bottle is to be taken so that final mixture from three bottles will be of ratios 1:1.

- (a) 25 Litres (b) 20 Litres
(c) 35 Litres (d) 30 Litres

Q21. In a colored picture of blue and yellow color, blue and yellow color is used in the ratio of 4:3 respectively. If in upper half, blue : yellow is 2:3, then in the lower half blue : yellow is

- (a) 1 : 1 (b) 2 : 1
(c) 26 : 9 (d) 9 : 26

Q22. A and B start an enterprise together, with A as active partner. A invests Rs 4000 and Rs 2000 more after 8 months. B invests Rs 5000 and withdraws Rs 2000 after 9 months. Being the active partner, A takes Rs 100 per month as allowance, from the profit. What is the share of B if the profit for the year is Rs 6700?

- (a) Rs 3350 (b) Rs 3250
(c) Rs 2700 (d) Rs 2800

Q23. A sum of Rs 15525 is divided among Sunil, Anil and Jamil such that if Rs 22, Rs 35 and Rs 48 be diminished from their shares respectively, their remaining sums shall be in the ratio 7:10:13. What would have been the ratio of their sums if Rs 16, Rs 77 and Rs 37 respectively were added to their original shares?

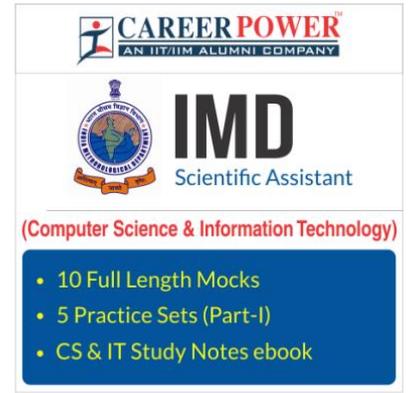
- (a) 9:13:17 (b) 18:26:35
(c) 36:52:67 (d) None of these

Q24. A's income is Rs 140 more than B's income and C's income is Rs 80 more than D's. If the ratio of A's and C's income is 2:3 and the ratio of B's and D's income is 1:2, then the incomes of A, B, C and D are respectively

- (a) Rs 260, Rs 120, Rs 320 and Rs 240 (b) Rs 300, Rs 160, Rs 600 and Rs 520
(c) Rs 400, Rs 260, Rs 600 and Rs 520 (d) Rs 320, Rs 180, Rs 480 and Rs 360

Q25. A batsman has a certain average of runs for 12 innings. In the 13th inning he scores 96 runs thereby increasing his average by 5 runs. What will be his average after 13th inning?

- (a) 28 (b) 32
(c) 36 (d) 42



CAREER POWER
AN IIT/IIM ALUMNI COMPANY

IMD
Scientific Assistant

(Computer Science & Information Technology)

- 10 Full Length Mocks
- 5 Practice Sets (Part-I)
- CS & IT Study Notes ebook

Q26. A team of 8 persons joins in a shooting competition. The best marksman scored 85 points. If he had scored 92 points, the average score for the team would have been 84. The number of points the team scored was

- (a) 672 (b) 665
(c) 645 (d) 588

Q27. A librarian purchased 60 story books for his library. But he found that he could get 4 extra books by spending Rs 336 more and then the overall average price per book would be reduced by Re 1. The previous average price of each book was

- (a) Rs 84 (b) Rs 83
(c) Rs 68 (d) Rs 100

Q28. In an exam, the average marks obtained by John in English, Maths, Hindi and Drawing were 50. His average marks in Maths, Science, Social Studies and Craft were 70. If the average marks in all seven subjects is 58, his score in maths was

- (a) 50 (b) 52
(c) 60 (d) 74

Q29. The average weight of 3 men A, B and C is 84 Kg. Another man D joins the group and the average now becomes 80 Kg. If another man E whose weight is 3 Kg more than that of D, replaces A then the average weight of B, C, D and E becomes 79 Kg. What is the weight of A?

- (a) 70 Kg (b) 72 Kg
(c) 75 Kg (d) 80 Kg

Q30. The average monthly salary of all the employees in a factory is Rs 8840. If the average salary of all the officers is Rs 15000 and that of the remaining employees is Rs 8000, then what is the percentage of the officers among the employees?

- (a) $10\frac{5}{7}$ (b) $12\frac{5}{7}$
(c) $10\frac{6}{7}$ (d) None of these

Q31. The ratio of cost price and selling price of an article is 20:21. Then gain percent on it is
Options:

- (a) 3 (b) 5
(c) 6 (d) 7

Q32. The ratio of cost price and selling price 25:26. The percent of profit will be

- (a) 26% (b) 25%
(c) 1% (d) 4%

Q33. A shopkeeper buys a product of Rs. 150 per Kg. 15% of product was damaged. At what price (per Kg) should he sell the remaining so as to earn a profit of 20%?

- (a) $211\frac{13}{17}$ (b) $231\frac{14}{17}$
(c) $211\frac{15}{17}$ (d) None of these

Q34. Mr. Kapur purchased two toy cycles for Rs 750 each. He sold these cycles, gaining 6% on one and losing 4% on the other. The gain or loss percent in the whole transaction is

- (a) 1% loss (b) 1% gain
(c) 1.5% loss (d) 1.5 gain

Q35. The profit earned by a shopkeeper by selling a bucket at a gain of 8% is Rs 28 more than when he sells it at a loss of 8%. The cost price (in Rupees) of the bucket is

- (a) 170 (b) 190
(c) 175 (d) 165

Q36. A man bought 500 metres of electronic wire at 50 paise per metre. He sold 50% of it at a profit of 5%. At what percent should he sell the remainder so as to gain 10% on the whole transaction?

- (a) 13% (b) 12.5%
(c) 15% (d) 20%

Q37. A line of length 1.5 metres was measured as 1.55 metres by mistake. What will be the value of error percent?

- (a) 0.05% (b) 0.33%
(c) 0.66% (d) 0.5%

Q38. A businessman imported Laptops, worth Rs 210000, Mobile phones worth Rs 100000 and Television sets worth Rs 150000. He had to pay 10% duty on laptops, 8% on Phones and 5% on Television sets as a special case. How much total duty (in Rupees) he had to pay on all items as per above details

- (a) 36500 (b) 37000
(c) 37250 (d) 37500

Q39. On a certain date, Pakistan has a success rate of 60% against India in all the ODIs played between the two countries. They lost the next 30 ODIs in a row to India and their success rate comes down to 30%. The total number of ODIs played between the two countries is

- (a) 50 (b) 45
(c) 60 (d) 30

Q40. Two donkeys are standing 400 meters apart. First donkey can run at a speed of 3 m/sec and the second can run at 2 m/sec. If two donkeys run towards each other after how much time (in sec) will they bump into each other?

- (a) 60 (b) 80
(c) 400 (d) 40

Q41. Rubi goes to a multiplex at the speed of 3 km/hr to see a movie and reaches 5 minutes late. If she travels at the speed of 4 Km/hr she reaches 5 minutes early. Then the distance of the multiplex from her starting point is

- (a) 2 km (b) 5 km
(c) 2 m (d) 5 m

Q42. A man travels some distance at a speed of 12 km/hr and returns at a speed of 9 km/hr. If the total time taken by him is 2 hrs 20 min, the distance is

- (a) 35 Km (b) 21 Km
(c) 9 Km (d) 12 Km

Q43. A and B are 15 kms apart and when travelling towards each other meet after half an hour whereas they meet two and a half hours later if they travel in the same direction. The faster of the two travels at the speed of

- (a) 15 km/hr (b) 18 km/hr
(c) 10 km/hr (d) 8 km/hr

Q44. The sum for 2 years gives a compound interest of Rs 3225 at 15% rate. Then sum is

- (a) 10000 (b) 20000
(c) 15000 (d) 32250

Q45. In 3 years Rs 3000 amounts to Rs 3993 at $x\%$ compound interest, compounded annually. The value of x is

- (a) 10 (b) 8
(c) 5 (d) 8

Q46. A man borrowed some money and agreed to pay-off by paying Rs 3150 at the end of the 1st year and Rs 4410 at the end of the 2nd year. If the rate of compound interest is 5% per annum, then the sum is

- (a) Rs 5000 (b) Rs 6500
(c) Rs 7000 (d) Rs 9200

Q47. Rs. 260200 is divided between Ram and Shyam so that the amount that Ram receives in 3 years is the same as that Shyam receives in 6 years. If the interest is compounded annually at the rate of 4% per annum then Ram's share is

- (a) 125000 (b) 135200
(c) 152000 (d) 108200

Q48. The radii of two cylinders are in the ratio 2:3 and their heights are in the ratio 5:3. The ratio of their volumes is

- (a) 27:20 (b) 20:27
(c) 4:9 (d) 9:4

Q49. Three cubes of iron whose edges are 6cm, 8cm and 10cm respectively are melted and formed into a single cube. The edge of the new cube formed is

- (a) 12 cm (b) 14 cm
(c) 16 cm (d) 18 cm

Q50. The radii of two concentric circles are 68 cm and 22 cm. The area of the closed figure bounded by the boundaries of the circles is

- (a) 4140π sq.cm. (b) 4110π sq.cm.
(c) 4080π sq.cm. (d) 4050π sq.cm.

Q51. The radius of a sphere is 6 cm. It is melted and drawn into a wire of radius 0.2 cm. The length of the wire is

- (a) 81 m (b) 80 m
(c) 75 m (d) 72 m

FLAT 60% OFF
₹4000 ₹1599



SSC CGL 2017
All Rounder

with Video Solutions

350+ TOTAL TEST

• 80+ TIER-I MOCKS • 50+ TIER-II MOCKS
• 200+ SECTIONAL TEST Bilingual

Q52. The radius of a wire is decreased to one-third. If volume remains the same, length will increase by

- (a) 1.5 times (b) 3 times
(c) 6 times (d) 9 times

Q53. In a trapezium ABCD, AB and DC are parallel sides and $\angle ADC = 90^\circ$. If AB = 15 cm, CD = 40 cm and diagonal AC = 41 cm. Then the area of the trapezium ABCD is

- (a) 245 cm² (b) 240 cm²
(c) 247.5 cm² (d) 250 cm²

Q54. The area of a rhombus having one side 10 cm and one diagonal 12 cm is

- (a) 48 cm² (b) 96 cm²
(c) 144 cm² (d) 192 cm²

Q55. The cost of levelling a circular field at 50 Paise per square metre is Rs 7700. The cost (in Rs) of putting up a fence all round it at Rs 1.20 per meter is (Use $\pi = \frac{22}{7}$)

- (a) Rs 132 (b) Rs 264
(c) Rs 528 (d) Rs 1056

Q56. From the four corners of a rectangular sheet of dimensions 25 cm x 20 cm, square of side 2 cm is cut off from four corners and a box is made. The volume of the box is :

- (a) 828 cm³ (b) 672 cm³
(c) 500 cm³ (d) 1000 cm³

Q57. The height and the total surface area of a right circular cylinder are 4 cm and 8π sq.cm. respectively. The radius of the base of cylinder is

- (a) $(2\sqrt{2} - 2)$ cm (b) $(2 - \sqrt{2})$ cm
(c) 2 cm (d) $\sqrt{2}$ cm

Q58. The volume of a conical tent is 1232 cu. m and the area of its base is 154 sq. m. Find the length of the canvas required to build the tent, if the canvas is 2m in width. (Take $\pi = \frac{22}{7}$)

- (a) 270 m (b) 272 m
(c) 276 m (d) 275 m

Q59. A solid brass sphere of radius 2.1 dm is converted into a right circular cylindrical rod of length 7cm. The ratio of total surface areas of the rod to the sphere is

- (a) 3:1 (b) 1:3
(c) 7:3 (d) 3:7

Q60. The sum of the length and breadth of a rectangle is 6 cm. A square is constructed such that one of its sides is equal to a diagonal of the rectangle. If the ratio of areas of the square and rectangle is 5 : 2, the area of the square in cm² is

- (a) 20 (b) 30
(c) 25 (d) 40

Q61. The length of a side of an equilateral triangle is 8 cm. The area of the region lying between the circum circle and the incircle of the triangle is (use: $\pi = 22/7$)

- (a) $50 \frac{2}{7}$ (b) $50 \frac{1}{7}$
(c) $75 \frac{1}{7}$ (d) None of these

Q62. A solid sphere of radius 3 cm is melted to form a hollow right circular cylindrical tube of length 4 cm and external radius 5 cm. The thickness of the tube is

- (a) 1 cm (b) 9 cm
(c) 0.6 cm (d) 1.5 cm

Q63. If $(x^2 + \frac{1}{x^2}) = 98$ ($x > 0$)

Find the value of $(x^3 + \frac{1}{x^3})$.

- (a) 970 (b) 1030
(c) -970 (d) -1030

Q64. $a + \frac{1}{b} = 1$ and $b + \frac{1}{c} = 1$ then the value of $c + \frac{1}{a}$ is:

- (a) 0 (b) 2
(c) 1 (d) 3

Q65. If $x = y + z$ then $x^3 - y^3 - z^3$ is

- (a) 0 (b) $3xyz$
(c) $-3xyz$ (d) 1

Q66. If $a + b + c + d = 4$, then the value of

$\frac{1}{(1-a)(1-b)(1-c)} + \frac{1}{(1-b)(1-c)(1-d)} + \frac{1}{(1-c)(1-d)(1-a)} + \frac{1}{(1-d)(1-a)(1-b)}$ is:

- (a) 0 (b) 2
(c) 1 (d) 3

Q67. If $x = 11$, the value of $x^5 - 12x^4 + 12x^3 - 12x^2 + 12x - 1$ is

- (a) 11 (b) 10
(c) 12 (d) -10

Q68. If $a = \frac{1}{a-5}$ ($a > 0$), then the value of $a + \frac{1}{a}$ is:

- (a) $\sqrt{29}$ (b) $\sqrt{27}$
(c) 0 (d) 1

Q69. $a + \frac{1}{b} = b + \frac{1}{c} = c + \frac{1}{a}$ (where $a \neq b \neq c$), then abc is equal to

- (a) +1 (b) -1
(c) +1 and -1 (d) None of these

Q70. If $a^2 + b^2 = 2$ and $c^2 + d^2 = 1$, then the value of $(ad - bc)^2 + (ac + bd)^2$ is

- (a) $\frac{4}{9}$ (b) $\frac{1}{2}$
(c) 1 (d) 2

Q71. If x, y, z are the three factors of $a^3 - 7a - 6$, then value of $x + y + z$ will be Options:

- (a) $3a$ (b) 3
(c) 6 (d) a

Q72. ABCD is a cyclic quadrilateral of which AB is the diameter. Diagonals AC and BD intersect at E. If $\angle DBC = 35^\circ$, Then $\angle AED$ measures

- (a) 35° (b) 45°
(c) 55° (d) 90°

Q73. In a triangle ABC, $\angle A = 70^\circ$, $\angle B = 80^\circ$ and D is the incentre of $\triangle ABC$. $\angle ACB = 2x^\circ$ and $\angle BDC = y^\circ$. The values of x and y , respectively are

- (a) 15, 130 (b) 15, 125
(c) 35, 40 (d) 30, 150

Q74. In a right angled triangle $\triangle DEF$, if the length of the hypotenuse EF is 12 cm, then the length of the median DX is

- (a) 3 cm (b) 4 cm
(c) 6 cm (d) 12 cm

Q75. Two equal circles intersect so that their centres, and the points at which they intersect form a square of side 1 cm. The area (in sq.cm) of the portion that is common to the circles is

- (a) $\frac{\pi}{4}$ (b) $\frac{\pi}{2} - 1$
(c) $\frac{\pi}{5}$ (d) $(\sqrt{2} - 1)$

Q76. PQRA is a rectangle, AP = 22 cm, PQ = 8 cm. $\triangle ABC$ is a triangle whose vertices lie on the sides of PQRA such that BQ = 2 cm and QC = 16 cm. Then the length of the line joining the mid points of the sides AB and BC is

- (a) $4\sqrt{2}$ cm (b) 5 cm
(c) 6 cm (d) 10 cm

Q77. $\triangle ABC$ is an isosceles right angled triangle having $\angle C = 90^\circ$. If D is any point on AB, then $AD^2 + BD^2$ is equal to

- (a) CD^2 (b) $2CD^2$
(c) $3CD^2$ (d) $4CD^2$

Q78. D and E are points on the sides AB and AC respectively of $\triangle ABC$ such that DE is parallel to BC and $AD : DB = 4 : 5$, CD and BE intersect each other at F. Then the ratio of the areas of $\triangle DEF$ and $\triangle CBF$

- (a) 16:25 (b) 16:81
(c) 81:16 (d) 4:9

Q79. Diagonals of a Trapezium ABCD with AB // CD intersect each other at the point O. If AB = 2CD, then the ratio of the areas of ΔAOB and ΔCOD is

- (a) 4:1 (b) 1:16
(c) 1:4 (d) 16:1

Q80. If O is the orthocentre of a triangle ABC and $\angle BOC = 100^\circ$, the measure of $\angle BAC$ is

- (a) 100° (b) 180°
(c) 80° (d) 200°

Q81. If ABCD is a rhombus then $AB^2 + BC^2 + CD^2 + AD^2$ is equal to

- (a) $AD^2 + BC^2$ (b) $AO^2 + OC^2$
(c) $AC^2 + BD^2$ (d) $2(AO^2 + OB^2)$

Q82. If $\sec A + \tan A = a$, then the value of $\cos A$ is

- (a) $\frac{a^2+1}{2a}$ (b) $\frac{2a}{a^2+1}$
(c) $\frac{a^2-1}{2a}$ (d) $\frac{2a}{a^2-1}$

Q83. If $\sin P + \operatorname{cosec} P = 2$, then the value of $\sin^7 P + \operatorname{cosec}^7 P$ is

- (a) 1 (b) 2
(c) 3 (d) 0

Q84. If $\cos x \cdot \cos y + \sin x \cdot \sin y = -1$ then $\cos x + \cos y$ is

- (a) -2 (b) 1
(c) 0 (d) 2

Q85. The value of the expression $2(\sin^6 \theta + \cos^6 \theta) - 3(\sin^4 \theta + \cos^4 \theta) + 1$ is

- (a) -1 (b) 0
(c) 1 (d) 2

Q86. If $\cos \theta = \frac{x^2 - y^2}{x^2 + y^2}$, then the value of $\cot \theta$ is equal to [if $0 \leq \theta \leq 90$]

- (a) $\frac{2xy}{x^2 - y^2}$ (b) $\frac{2xy}{x^2 + y^2}$
(c) $\frac{x^2 + y^2}{2xy}$ (d) $\frac{x^2 - y^2}{2xy}$

Q87. The distance between two poles is 120 metres. The height of one poles is thrice the other. The angles of elevation of their tops from the midpoint of the line connecting their feet are complementary to each other. The height (in metres) of the taller pole is (Use : $\sqrt{3} = 1.732$)

- (a) 34.64 (b) 51.96
(c) 69.28 (d) 103.92

Q88. If $x = \operatorname{cosec} \theta - \sin \theta$ and $y = \sec \theta - \cos \theta$, then the relation between x and y is

- (a) $x^2 + y^2 + 3 = 1$ (b) $x^2 y^2 (x^2 + y^2 + 3) = 1$
(c) $x^2 (x^2 + y^2 - 5) = 1$ (d) $y^2 (x^2 + y^2 - 5) = 1$

CAREER POWER
AN IIT/IIM ALUMNI COMPANY

ISRO
इसरो

**ASSISTANTS AND
UPPER DIVISION CLERKS**

- 10 Full length Mocks
- English Descriptive eBook

Bilingual

Q89. A hydrogen filled balloon ascending at the rate of 18 kmph was drifted by wind. Its angle of elevation at 10th and 15th minutes were found to be 60° and 45° respectively. The wind speed (in whole numbers) during the last five minutes, approximately, is equal to

- (a) 7 km/hr (b) 11 km/hr
(c) 26 km/hr. (d) 33 km/hr

Q90. The angle of elevation of a helicopter as observed from a point 30 m above the transparent water-surface of a lake is 30° and the angle of depression of the image of the helicopter in the water of the lake is 60° . The height of the helicopter from the water-surface of the lake is

- (a) 60 m (b) 45 m
(c) 50 m (d) 75 m

Q91. The angles of depression of two boats from the top of a light house are 60° and 45° towards east. If the boats are 300 m apart, the height of the light house is

- (a) $200(3 + \sqrt{3})$ meter (b) $250(3 + \sqrt{3})$ meter
(c) $150(3 + \sqrt{3})$ meter (d) $160(3 + \sqrt{3})$ meter

Q92. Out of 2500 people, only 60% have the saving habit. If 30% save with bank, 32% with post office and the rest with shares, the number of shareholders are

- (a) 450 (b) 570
(c) 950 (d) 1250

Q93. A dishonest dealer professes to sell his goods at the cost price but uses a false weight of 850 g instead of 1 kg. His gain percent is

- (a) $71\frac{11}{17}\%$ (b) $11\frac{11}{17}\%$
(c) $17\frac{12}{17}\%$ (d) $17\frac{11}{17}\%$

Q94. A trader mixes 26 kg of rice at Rs. 20 per kg with 30 kg of rice of other variety at Rs. 36 per kg and sells the mixture at Rs. 30 per kg. What is his profit percentage?

- (a) 6% (b) 5%
(c) 4% (d) 7%

Q95. A and B can do a piece of work in 45 and 40 days respectively. They began the work together but A left after some days and B finished the remaining work in 23 days. A left after

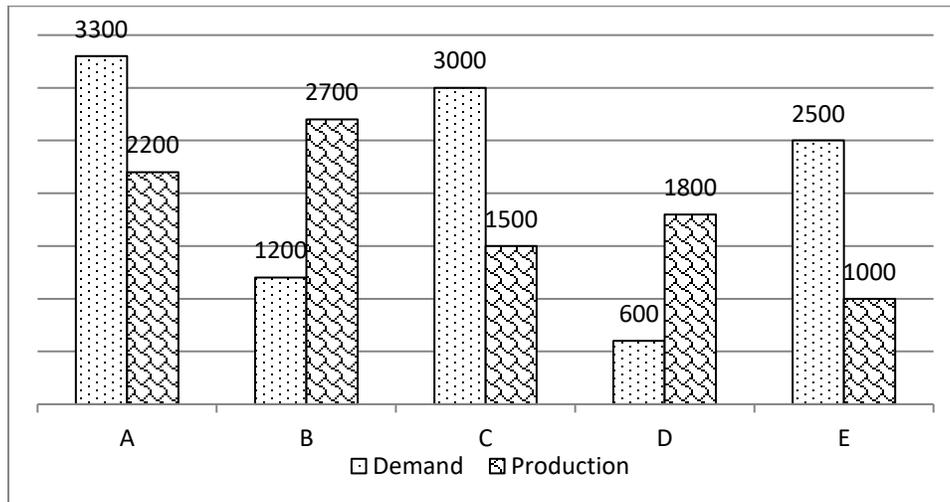
- (a) 6 days (b) 9 days
(c) 12 days (d) 5 days

Q96. Rahim arrives at his school 5 minutes late if he walks with a speed of 4 km/h. But he arrives 10 minutes before the scheduled time if he walks with a speed of 5 km/h. The distance of his school from his house (in km) is

- (a) 4 (b) 5
(c) 10 (d) 2

Directions (97-100): Study the following graph and answer the questions. Number on the top of a bar is the number of TVs.

Demand and Production of Colour T.Vs of five companies for January 2011



Q97. What is the ratio of the companies having more demand than production to the companies having more production than demand?

- (a) 2 : 3 (b) 4 : 1
(c) 2 : 2 (d) 3 : 2

Q98. What is the difference between average demand and average production of the five companies taken together?

- (a) 1400 (b) 400
(c) 280 (d) 138

Q99. Demand of company D is approximately what per cent of demand of company E?

- (a) 12% (b) 20%
(c) 24% (d) 30%

Q100. What is the ratio of average demand to average production of companies B and D?

- (a) 1 : 5 (b) 2 : 5
(c) 3 : 5 (d) 4 : 5

CAREER POWER
AN IIT/IIM ALUMNI COMPANY



ISRO

**ASSISTANTS AND
UPPER DIVISION CLERKS**

- 10 Full length Mocks
- English Descriptive eBook

Bilingual