Examly Level 5 - Test 3

Q. A mill shop first gives a commission of 20% on second grade cloth and then further gives a commission of 15% on a share holder's coupon. The total commission on shareholder's coupon will be

Answer : 32%

Q. How many numbers, lying between 1 and 500, are divisible by 13?

Answer : 38

Q. A man went 10 kms towards south. Then turned East and covered 10 kms and turned to the right. Again after 10 kms he turned to the left and covered 10kms to reach the destination. How far and in which direction is he to his starting point?

Answer : $20\sqrt{2}$ km, South- East

Q. If a and b are the roots of the equation x2 - 9x + 20 = 0, find the value of a2 + b2 + ab?

Answer : 61

Q. If log10 5 + log10 (5x + 1) = log10 (x + 5) + 1, then x is equal to:

Answer : 3

Q. Identify the figure that completes the pattern.

Answer : 4

Q. In the following question, one term in the number series is wrong. Find out the wrong term. 10, 41, 94, 1624, 2516, 3625, 4936

Answer : 1624

Q. The temperature on Monday was lower than on Tuesday. The temperature on Wednesday was lower than on Tuesday. The temperature on Monday was higher than on Wednesday If the first two statements are true, the third statement is

Answer : uncertain

Q. If a clock shows 3:45 in a mirror, what is the actual time?

Answer : 8:15

Q. A string is wound around two circular disk as shown. If the radius of the two disk are 40 cm and 30 cm respectively. What is the total length of the string?

Answer : 140 + 165 /2 cm

Q. I. 20x2 + 9x + 1 =0 II. 6y2 - 7y+ 2 = 0 x< y

Answer : x< y

Q. Common content In each of these questions, three different views of a dice are given. Choose the answer which represents the correct view of the dice. Question CORRECT Status: Not Viewed Mark obtained: 0/1 Hints used: 0 Level:

Answer :

Q. Study the following figure and answer the questions given below. 1. How many educated people are employed ?

Answer : 9

Q. If 09/12/2001 happens to be Sunday, then 09/12/1971 would have been at

Answer : Thursday

Q. 87 + 56 + 21 + 36

Answer : 200

Q. What must be the least number of soldiers in a group such that they can be respectively arranged in lines of 20,30 and 50 soldiers each and also in a square?

Answer : 900

Q. Two trains are running in opposite directions at 80 km/hr and 64 km/hr. The lengths of the train are 120 meters and 80 meters respectively. How long will they take to completely

pass each other?

Answer : 5 sec

Q. In India, handloom art is in crisis. The textile ministry's Handlooms Census (2010) shows there has been a **33 per cent drop in handloom employment since 1995-96.** India's handloom exports touched Rs 2,246 crore in 2014-15. However this has been continually declining compared to the previous 4-5 years. Since India produces almost 85 per cent of the world's handloom products, we can ill afford to let the handloom sector and handloom art to fall into decline. Which of the following statements weakens the importance of the handloom sector? I. Only 4.3 million people are engaged in handloom weaving and allied activities now, against 6.5 million in 1995-96. II. Handloom is the second largest unorganized set of economic activities in the country, after agriculture that supports rural areas. III. Handloom art and weaving centres are clustered all over the country with many of these art genres being popular in international markets.

Answer : Only I

Q. Solve questions are based on the following information. Each of the three persons - Joe, Jack and John-belonged to exactly one of different cities amongst New York, Los Angeles and Chicago. Each person always gives two replies to any question asked. Out of these three, exactly one person always speaks the truth, other always lies and another always alternates between truth and lie, in any order. When each was asked "Which city do you belong to?" the following were their replies: Joe: I am from New York. Jack is from Los Angeles. Jack: I am from New York. John is from Chicago. John: Joe is from Los Angeles. Jack is from New York. Based on the above, Solve the following questions: Who among the three must be from Chicago?

Answer : John

Q. The purpose of the following flowchart is to double the number in each of the Boxes 2, 4,6,8 and 10. In order to accomplish exactly this - no more and no less - What is the smallest number which may be in box 1?

Answer : 10

Q. A farmer travelled a distance of 61 Km in 9hrs. He travelled partly on foot at the rate of 4km/hr and partly on bicycle at the rate of 9km/hr. The distance travelled in km on foot is :

Answer : 16

Q. Common content Study the following information carefully to answer the given questions: Twelve people are sitting in two parallel rows containing six people each, in such a way that there is an equal distance between adjacent persons. In row-1 J, K, L, M, N and O are seated and all of them are facing south. In row-2 U, V, W, X, Yand Z are seated and all of them are facing north. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row.M sits third to right of K. Either M or K sits at an extreme

end of the line. The one who faces K sits second to right of Y. Two people sit between V and Z. Neither V nor Z sits at an extreme end of the line. The immediate neighbour of V faces the person who sits third to left of J. L and N are immediate neighbours of each other. W sits second to the left of U. N does not face the immediate neighbour of X. Question Which of the following person sits immediate right of X?

Answer : No one sitting

Q. Choose the word that is FARTHEST in meaning from the given word. RUBBLE

Answer : unbroken stone

Q. Is P is maternal aunt of M? I. A is son of P. A is brother of B. B is daughter of C. F is sister of C. M is daughter of F. II. D is father of M. F is mother of M. K is brother of F. K has two children J and R. P is married to K.

Answer : if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

Q. Four different math, six different physics and two different chemistry textbooks are placed on a shelf. What is the number of possible combinations of arranging the textbooks if: The textbooks from each subject must be grouped together.

Answer : 207360

Q. Common content Read the passage and answer the following questions: The ordinance repealing the archaic Air Corporation Act of 1953 marks a welcome end to the prevailing confusion on the open-sky policy. The Act had become redundant after the government allowed private air-taxi operators to compete with the public sector Indian Airlines and should have been struck off quite some time ago. The delay in repealing the Act created the anomalous situation that even while private companies had been allowed to operate; their legal status was in doubt as the Act provided for the monopoly of public sector in civil aviation. A case contesting the legal status of private air operators is, in fact, in progress in the Calcutta High Court. This confusion was made worse by the ad hoc manner in which the ministry framed guidelines for private operators: they were not allowed to either publish their schedules or publicize their operations. A number of other discriminatory practices like adverse landing schedules had been thrust upon them by various airport authorities all over the country as they tended to favour Indian Airlines. With the repeal of the Act, private operators will now enjoy the legal status they deserve. They will also be able to better compete with Indian Airlines, as they will now be allowed to market themselves properly. This should allow both domestic and international travelers to seek better air travel options within the country. However, the repeal of the Act is just a part of a comprehensive policy needed for civil aviation. With the freedom of entry and operation must also come a proper regulatory regime to administer safety and other aspects. Proper guidelines must now be framed and a suitable authority to administer them put in place. The government must also seize the opportunity to restructure both-Indian Airlines and Air India. It is time that plans for disinvestment of government's stake in these public sector companies are implemented. The resources so raised can be deployed by these companies to modernize and revamp themselves and meet the emerging

threat of competition. There are already reports that competition from private operators has forced Indian Airlines to provide better service to its customers. The advantages of an open-sky policy are, therefore, already visible. The IA unions may well oppose the repeal of the Act and plans for disinvestment. If they do that, it is plain they will be acting against the interests of the air traveler. Question The repeal of the Act is a part of a much broader policy required to overhaul the civil aviation sector.

Answer : True

Q. If A + B means A is the mother of B; A - B means A is the brother B; A % B means A is the father of B and A x B means A is the sister of B, which of the following shows that P is the maternal uncle of Q?

Answer : P - M + N x Q

Q. Man and beast are struggling to live in harmony with one another as the human population encroaches even further into the natural habitat of animals. as the human population encroaches even furthest into the natural habitat of animals.

Answer : No improvement required

Q. There is sufficient food for 500 men for 40 days. After 10 days, 200 men leave the place. How many days will the rest of the food last for the rest of the men?

Answer : 50

Q. Pick out the best alternative for the underlined part of the given sentence. Most mistakes are blamed on sub-ordinates by us, and thinkers feel those in the higher echelons are more responsible

Answer : Although we blame most mistakes on sub-ordinates

Q. In the following questions each letter has some rupee value following some uniform pattern. Find the cost of the given items. Hints L = Rs 24, R = Rs 36, W = Rs 46 If a DOVE costs Rs 92, what would a PIGEON cost?

Answer : Rs 132

Q. Common content These questions are based on the information given. The following line graph gives the distribution of income and savings for three individuals for six different years. Question Find the approximate percentage change in the cummulative savings of three persons from year 2003 to year 2008. 35

Answer : 46

Q. Some equations are solved on the basis of a certain system. Identify that operation and find out the correct answer from the four-response given. a = 14 (290) 15, b = 16 (330) 17, c = 18 (?) 19

Answer : 370

Q. In the figure given below, AP, PBQ and QC are tangents to the circle. What is the value of x?

Answer : 70º

Q. The ratios of three sides of a triangle are 2 : 3 : 4. Find the ratios of their corresponding altitudes.

Answer : 6 : 4 : 3

Q. If a hostel's mess owner expends Rs. 5000 on vegetables, Rs. 3000 on spices and Rs. 6500 on gas services per month for 50 students then what is the monthly average expenditure per student of his hostel's mess.

Answer : Rs. 290

Q. What is the number of triangles in figure?

Answer : 36

Q. Statements: No carry is jerry Only jerry is kerry Some jerry is erray Conclusions: I. Some carry is not erray II. All carry is erray

Answer : Either conclusion I or II follows

Q. The sum to infinity of the series 1+2/3+6/3^2+10/3^3+14/3^4+...... is

Answer : 3

Q. The income of A, B and C are in the ratio 7: 9: 12 and their expenditure are in the ratio 8 : 9 : 15. If a saves 1/4 of his income. Find the ratio of savings of A, B and C.

Answer : 56 : 99 : 69

Q. Given two statements, verify the conclusions and mark the answer Statements: All bags are books. Some purses are bags. Conclusions: I. Some books are purses. II. Some books are bags

Answer : if both conclusions I & II follow.

Q. Each question has a number of sentences which, when properly sequenced, form a coherent paragraph. Each sentence is labeled with a letter. Choose the most suitable order of sentences from among the four given choices to construct a coherent paragraph. A. Tired teenagers can be as cranky as tired two-years-olds, and even less fun to deal with. B. Many people around the world, live in a state of chronic sleep deficit that can affect mood, behavior , school work and reaction time C. Lack of sleep may take its toll physically as well D. More seriously, sleep deprivation can bring on feelings of stress, anger and sadness

Answer : BADC

Q. Eleven books, consisting of five Engineering books, four Mathematics books and two Physics books, are arranged in a shelf at random. What is the probability that the books of each kind are all together?

Answer : 1/1155

Q. A shopkeeper sold 12 cameras at a profit of 20% and 8 cameras at a profit of 10%. If he had sold all the 20 cameras at a profit of 15%, then his profit would have been reduced by Rs.36. What is the cost price of each camera?

Answer : 180

Q. The value of (tan2 60o + 4sin2 45o + 3sec2 30o + 5cos2 90o)/(cosec30o + sec60o - cot230o)

Answer : 9

Q. A is the set of all integers from -x to x.: What is the value of 'a' ? (A) a is the sum of all the elements.in A. (B) a is the product of all the elements In A.

Answer : if the question can be answered by using either statement alone.

Q. The chances to fail in physics are 20% and the chances to fail in mathematics are 10%. What are the chances to fail in at least one subject?

Answer : 28 %

Q. A rectangular box has dimensions 1.6 m × 1 m × 0.6 m. How many cubical boxes each of side 20 cm can be fit inside the rectangular box?

Answer : 120

Q. Which of the following statement(s) is/are true? I. $(7)450 > (9)300$ II. $(2)900 > (7)450$

Answer : Only I

Q. Direction (Q. 1-5)The following bar graph shows the sales of cars of 2 different companies in 5 different years. Total cars sold by company "B" in the year 2014 and 2016 together is approximately what percentage more/less than the total cars sold by the company "A" in the year 2013 and 2015 together?

Answer : 6%

Q. One year payment to the servant is Rs. 200 plus one shirt. The servant leaves after 9 months and recieves Rs. 120 and a shirt. What is the price of the shirt?

Answer : Rs.120

Q. If cot A + cosec A = 3 and A is an acute angle, then the value of cos A is

Answer : 4/5

Q. In each of the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative. n............ qn............ nqt............ tqqtn............ n............tqt

Answer : ttnqn

Q. In the given diagram O is the centre of the circle and CD is a tangent. CAB and ACD are supplementary to each other OAC = 30°. Find the value of OCB.

Answer : 30

Q. 6 men and 8 women together can complete a piece of work in 10 days. Work done by a woman in one day is equal to half the work done by a man in one day. If 10 women are working alone, in how many days will the work get completed?

Answer : 20 days

Q. There are 6 books on Physics, 3 on Chemistry and 4 on Biology. In how many ways can these be placed on a shelf if the books on the same subject are to be together?

Answer : 622080

Q. Read the statement and answer the question that follows When India pointed out the Mc

Mahon line, the Chinese response was that it did not recognize lines drawn by colonial powers. Which of the following is a conclusion which can be drawn from the above statement?

Answer : Indians recognized the border drawn by colonial powers.

Q. Find the synonym of the following word Reconcile

Answer : accommodate

Q. If 'x' stands for addition', '<' for substraction, + for division, > for multiplication, - for 'equal to' , for 'greater than' and '=' for 'less than', then state which of the following is true?

Answer : $5 > 2 + 2 = 10 < 4 \times 8$

Q. Common content A passage is given with 5 questions following it. Read the passage carefully and choose the best answer to each question out of the four alternatives. There were only two Americans stopping at the hotel. They did not know any of the people who passed on the stairs on their way to and from their room. Their room was on the second floor facing the sea. It also faced the public garden and the war monument. There were big palms and green benches in the public garden. In the good weather there was always an artist with his easel. Artists liked the way the palms grew and the bright colors of the hotels facing the gardens and the sea. Italians came from a long way off to look up at the war monument. It was made of bronze and glistened in the rain. It was raining. The rain dripped from the palm trees. Water stood in pools on the gravel paths. The sea broke in a long line in the rain and slipped back down the beach to come up and break again in a long line in the rain. The motor cars were gone from the square by the war monument. Across the square in the doorway of the café a waiter stood looking out at the empty square. Question Which of the following things were not in front of the hotel?

Answer : Cafe

Q. P) Plans for an independent satellite system were announced in 2018 by the then prime minister, Theresa May to ensure national security in the event that Britain were banned from equal access to the EU programme after Brexit. Q) The ministers are exploring other options, which include using OneWeb, the UK satellite operator that went bankrupt in March, the Financial Times reported, citing sources. R) OneWeb has pledged to move its satellite production from Florida in the US to the UK if its management wins government support for its bid, according to the report. S) British ministers are seeking to scale back plans for a £5bn satellite navigation system that was introduced in 2018 as an alternative to the EU's Galileo project, it has been reported.

Answer : SQRP

Q. Read these Directions In the following programme you must grasp the significance of the individual steps in the flow chart and correct an error which has been deliberately placed there In the following problem no two boxes contain the same number ThoughtWorks-flow-chart-questions-39-with-answers

Answer : Instruction 4 Box 2 Box 3