Examly Level 3 - Test 2

Q. Common content In the 16th century, an age of great marine and terrestrial exploration, Ferdinand Magellan led the first expedition to sail around the world. As a young Portuguese noble, he served the king of Portugal, but he became involved in the quagmire of political intrigue at court and lost the king's favor. After he was dismissed from service by the king of Portugal, he offered to serve the future Emperor Charles V of Spain. A papal decree of 1493 had assigned all land in the New World west of 50 degrees W longitude to Spain and all the land east of that line to Portugal. Magellan offered to prove that the East Indies fell under Spanish authority. On September 20, 1519, Magellan set sail from Spain with five ships. More than a year later, one of these ships was exploring the topography of South America in search of a water route across the continent. This ship sank, but the remaining four ships searched along the southern peninsula of South America. Finally they found the passage they sought near 50 degrees S latitude. Magellan named this passage the Strait of All Saints, but today it is known as the Strait of Magellan. One ship deserted while in this passage and returned to Spain, so fewer sailors were privileged to gaze at that first panorama of the Pacific Ocean. Those who remained crossed the meridian now known as the International Date Line in the early spring of 1521 after 98 days on the Pacific Ocean. During those long days at sea, many of Magellan's men died of starvation and disease. Later, Magellan became involved in an insular conflict in the Philippines and was killed in a tribal battle. Only one ship and 17 sailors under the command of the Basque navigator Elcano survived to complete the westward journey to Spain and thus prove once and for all that the world is round, with no precipice at the edge. Question Magellan lost the favor of the king of Portugal when he became involved in a political —-.

Answer : entanglement

Q. The value of -4-(-10) is how much greater then the value of -10-(-4) ?

Answer : 12

Q. A,B,C together can do a piece of work in 10 days. All the three started working at it together and after 4 days, A left. Then B and C together completed the work in 10 more days. In how many days can A complete work alone ?

Answer : 25

Q. Three consecutive odd integers are in increasing order such that the sum of the last two integers is 13 more than the first integer. Find the three integers?

Answer : 7,9,11

Q. The diagonals of a rhombus are 4m and 3m. What is the length of each side of the rhombus?

Answer : 2.5m

Q. If the day before yesterday was Thursday, when will Sunday be?

Answer : Tomorow

Q. The following line graph gives the ratio of the amounts of imports by a company to the amount of exports from that company over the period from 1995 to 2001. If the imports of the company in 1996 was Rs. 272 crores, the exports from the company in 1996 was ?

Answer : 320 cr

Q. The circumference of the front wheel of a cart is 30 ft long and that of the back wheel is 36 ft long. What is the distance travelled by the cart, when the front wheel has done five more revolutions than the rear wheel?

Answer : 900 ft

Q. 4 * 20.9

Answer : 83.6

Q. A substance is purchased for Rs. 300. If one fourth of the substance is sold at a loss of 10% and the remaining at a gain of 5%, Find out the overall gain or loss percentage.

Answer : 1.25%

Q. The product of two numbers is 120 and the sum of their squares is 289. The sum of the number is:

Answer : 23

Q. How many different words can be formed with the letters of the words REGURGITATE so that the two Ts are always together?

Answer : 453600

Q. In a certain code, PRODUCTS is written as NPMBSARQ. How is COMPREHENSION written in that code?

Answer : AMKNPCFCLQGML

Q. Study the flow chart give below and the Answer the questions that follow. What number is in box 12? flowchart-aptitude-questions-Q4Interview-4

Answer : 19

Q. The number of ways in which 4 squares can be chosen at random on a chess board such that they lie on a diagonal line?

Answer : 364

Q. Common content Mohan went to an Island on which there were three tribes of People. People from one of the tribes always spoke the truth. People from the second tribe always lied. People from the third tribe spoke truth and lie alternately. The Island had only 3 fruits.i.e Apple, Mango and Banana. Mohan found three people X, Y and Z asked them about their favourite fruits. X: I like Apple. Y likes Mango Y: Z likes Mango. X like Banana Z: I like Apple. X like Banana If it is know that X, Y and Z belonged to different tribes and each one of them liked a different fruit, then answer the following questions. Question Who belongs to the tribe of Truth Tellers ?

Answer : Y

Q. Three letters are to be sent to different persons and addresses on the three envelopes are also written. Without looking at the addresses, what is the probability that the letters go into the right envelope?

Answer : 1/6

Q. A milkman purchases the milk at Rs. x per litre and sells it at Rs. 2x per litre still he mixes 2 litres water with every 6 litres of pure milk. What is the profit percentage?

Answer : 166.66%

Q. The product of the ages of Ankit and Nikita is 240. If twice the age of Nikita is more than Ankit's age by 4 years, what is Nikita's age?

Answer : 12

Q. A number of sentences are given below which, when properly sequenced, form a coherent paragraph. Each sentence is labelled with a letter. Choose the most logical order of sentences from among the four given choices to construct a coherent paragraph. A. A patient who wants his life ended need not be mentally sick, clinically depressed, or temporarily deranged. B. How can we assess the mental competence of a physically disabled person who decides on suicide? C. Having discarded prejudicial notions, psychiatrists, using their customary methods, can ascertain whether the patient knows who and where he is, and whether his mental processes are realistic and logical to the normal degree. D. The task is daunting but not impossible. E.

First of all, prejudicial notions must be discarded. F. The idea that he must be mentally sick merely justifies a conclusion foreordained by circular reasoning.

Answer : BDEAFC

Q. Common content Read the passage and answer the question that follows Many factors helped the dynamic growth that occurred in Japan and the four little dragons during the post-World War 2 period. Some of these factors were situation factors unique to the time but some of the factors were cultural. The legacy of Confucianism in Japan and the four little dragons helped to further the goals of industrialization that these nations had. The traditions of Confucianism provided for Japan and the four little dragons both a pliant public and a model for choosing competent leaders. Confucian traditions placed an emphasis on the values of the group over the individual. This helped industrialism by creating a pliant populace who were willing to accept long hours and low wages and not question government policies The traditions of Confucianism taught workers not to question authority. These traditions carried over into the post war period and allowed authoritarian regimes in the four little dragons to go unquestioned by the public. This lack of dissent allowed the four little dragons to have stable governments which were critical to-investment and industrialization. The stability of these nations was a direct result of Confucian values being indoctrinated into the population. Confucian placement of the group over the individual and strong belief in filial piety also caused families and local communities to accept social responsibility for members of their community. This safety net that was provided by communities and families allowed the government to limit it's spending on social welfare programs and thus channel more funds into infrastructure and industry. Confucianism also placed an emphasis of self-cultivation which has helped East Asian Countries to have a skilled and ambitious work force. The tradition of self cultivation like the work ethic that Max, Weber credited Protestantism of producing lead people to strive to acquire new skills, speak foreign language and in the offices and business of Japan, drive workers to strive with in their firms to improve group performance. Confucian traditions also placed emphasis on the creation of a meritocratic elite and the use of entrance exams. These traditions were in place before World War 2 in the East Asian countries but they helped the carrying out of the industrial policies of the post-war government of Japan and the little Dragons. The traditional system of meritocratic elite was adopted in the post war years in the form of meritoriously chosen bureaucracy that made and carried out many government policies. This elite was free from many of the strains of politics and thus was able to carry out policies that democratically elected leaders might not be able to pursue due to the changing feelings of the electorate. Also these bureaucrats because they were meritoriously chosen were the most able members of society and thus very skilled at handling industrial policies. The system of entrance exams in Asian countries helped to create skilled and proficient workers for industry. The entrance exams were able to target the most able young people and channel them into higher learning, and the entrance exam system was also able to-create intense competition among young people spurring students to both acquire knowledge and disciplined work habits. These disciplined and knowledgeable workers were critical in providing the workers that made East Asian industries successful. Question The contribution of Confucianism to the growth of Japan and the little dragons has been

Answer : Pliant public and a model for choosing competent leaders.

Q. The following question contains three different views of a dice. Study the given figures and find out the incorrect statement from the given choices.

Answer : # and ↑ are adjacent to both and @

Q. Read the statement and answer the question that follows: Batsmen of the Indian cricket team are unable to put together a match winning score. The coach recommended that a specialist batsman be included in the team by replacing one bowler. Which of the following would weaken the recommendations of the coach?

Answer : If the bowling is not strong, no score put together by the batsmen is sufficient to win the matches.

Q. Total expenses of a boarding house are partly fixed and partly varying linearly with the number of boarders. The average expense per boarder is Rs 700 when there are 25 boarders and Rs 600 when there are 50 boarders. What is the average expense per boarder when there are 100 boarders?

Answer : 550

Q. A can do (1/3) of the work in 5 days and B can do (2/5) of the work in 10 days. In how many days both A and B together can do the work?

Answer : 9 days

Q. The incomes of A and B are in the ratio 3 : 2 and their expenditures are in the ratio 5 : 3. if each saves Rs.1000, then, A's income is

Answer : Rs.6000

Q. Gowtham spends 30% of his monthly income on food articles, 40% of the remaining on conveyance and clothes and saves 50% of the remaining. If his monthly salary is Rs. 18,400, how much money does he save every month ?

Answer : 3864

Q. If 0.75: x :: 5:8, then x is equal to:

Answer : 1.20

Q. Mohan went to an Island on which there were three tribes of people. People from one of the tribes always spoke the truth. People from the second tribe always lied. People who belonged to the third tribe spoke truth and lie alternately. The Island had only 3 fruits i.e. apple, mango and banana. Mohan found three people X,Y and Z asked them about their favourite fruits. Their responses were as follows. X: I like apple. Y likes mango Y: Z likes mango. X likes banana Z: I like apple. X likes banana If it is known that X, Y and Z belonged to different tribes and each one of them liked a different fruit, then answer the following question. Who belongs to the tribe of truth tellers?

Answer : Y

Q. Pointing to a girl in the photograph, Ajay said, "Her mother's brother is the only son of my mother's father." How is the girl's mother related to Ajay ?

Answer : Aunt

Q. A number of sentences are given below which, when properly sequenced, form a coherent paragraph. Each sentence is labelled with a letter. Choose the most logical order of sentences from among the four given choices to construct a coherent paragraph. A. But the situation has changed in recent times and we are seeing judges getting involved in corruption. B. In this changed scenario, a special committee must be constituted to look into the affairs of the judiciary. C. Indians have great faith in the Indian judicial system. D. Due to this people are losing faith in the judiciary. E. They consider judiciary as supreme.

Answer : CEADB

Q. The boundary of the shaded region in the given diagram consists of three semi-circular arcs, the smaller ones being equal. If the diameter of the larger one is 10 cm, calculate the length of the boundary.

Answer : 31.4 cm

Q. Should jobs be linked with academic degrees and diplomas? Arguments: 1. No. A very large number of persons with meagre academic qualifications will apply 2. No. Importance of higher education will be diminished

Answer : Only 2 is true

Q. In each of the following questions, a sequence of groups of letters and numbers is given with one term missing as shown by (?). Choose the missing term out of the given alternatives. a 4 7, e 9 8, i 19 18, m 39 57, (?)

Answer : q 79 232

Q. Consider a triangle drawn on the X-Y plane with its three vertices at (41, 0),(0, 41) and (0, 0), each vertex being represented by its (X, Y) coordinates. The number of points with integer coordinates inside the triangle (excluding all the points on the boundary) is

Answer : 780

Q. Select the correct combination of mathematical signs to replace * signs and to balance the following equation. 12 × 3 × 4=6 × 8 × 8

Answer : ×, +, ×, -

Q. Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the questions. Read both the statements and give answer. The value of a kit depends upon the no. of leaves in the kit. How many leaves are there in the kit? I. Medium size kit values Rs. 850. II. There are 55 leaves in smallest sized kit. If the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question

Answer : If the data in both the Statement I and II are not sufficient to answer the question.

Q. Two trains A and B start simultaneously in the opposite direction from two points P and Q and arrive at their destinations 16 and 9 hours respectively after their meeting each other. At what speed does the second train B travel if the first train travels at 120 km/h?

Answer : 160 km/hr

Q. A person walks 1mile westwards and turns left and walks 1 mile and turns left and walks a mile again, and again turns left and moves a mile ahead. What is the direction he is facing now?

Answer : North

Q. Select most suitable synonym obstreperous

Answer : boisterous

Q. Choose the correct antonym of the given word Kith

Answer : strangers

Q. If the figures continue to change in the same order what should the fifth figure be?" A

Answer : B

Q. How much does a watch lose per day, if its hands coincide every 64 minutes? 32 min

Answer : min

Q. In each of the following questions, a related pair of figures (unnumbered) is followed by four numbered pairs of figures. Out of these four, three have relationship similar to that in the original pair. Only one pair of figures does not have similar relationship. Select that pair of figures which does not have a similar relationship to that in the unnumbered pair. CORRECT Status: Not Viewed Mark obtained: 0/1 Hints used: 0 Level:

Answer :

Q. If tan(10x - 40) = cot(10y+10) , then find the value of (x+y).

Answer : 12

Q. In each of the following questions, select the most preferable sentence with respect to grammar, meaning and usage.

Answer : Fortunately, in four bomb-blasts, only three lives were lost.

Q. In which year was Rahul born ? I. Rahul at present is 25 years younger to his mother. II. Rahul's brother, who was born in 1964, is 35 years younger to his mother.

Answer : If the data in both the statements together are needed

Q. The angle of elevation of a ladder leaning against a wall is 450 and the foot of the ladder is 6m away from the wall. The length of the ladder is

Answer : $6\sqrt{2}$ m

Q. P, Q, R, S, T, U, V and W are sitting round the circle and are facing the centre: P is second to the right of T who is the neighbour of R and V. S is not the neighbour of P. V is the neighbour of U. W is between S and Q. W is between Q and S. Who is opposite to W?

Answer : T

Q. Considering given statements as true, select a logical conclusion based on the given statements. Statements: Some Q are E. All E are D. No D is A. Conclusions: I. Some Q are not A. II. Some Q are not D. III. All Q are D. IV. No Q is A.

Answer : Either II or III follow and I follows

Q. Read each sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If I was the Prime Minister .1/ I would resolve .2/ this issue .3/ within no time.4

Answer : 1

Q. study the given flow chart and answer the question A tourist Ajay wants to stay in hotel. so, different conditions are given in data flow diagram. so after analyzing above DFD diagram you have to answer the given questions Which Condition is Sufficient to make sure that Ajay will not stay further?

Answer : If the feedback which is given by him is negative.

Q. Out of 120 students in a school, 5% can play all the three games Cricket, Chess and Carroms. If so happens that the number of players who can play any and only two games is 30. The number of students who can play the Cricket alone is 40. What is the total number of those who can play Chess alone or Carroms alone ?

Answer : 44

Q. (19×9+31×10+32×11)/(233.25×2-50) = ?

Answer : 2

Q. If 7th and 13th terms of an A.P. be 34 and 64 respectively, then its 18th term is

Answer : 89

Q. Find the unit digit of 23 * 45 *12 *10

Answer : 0

Q. Find the missing term in the series: 1, 6, 15, ?, 45, 66, 91.

Answer : 28

Q. A train of 24 carriages, each carriage of 60 metres length,with engine of 60 metres length, is running at a speed of 60 km per hour. Find out the time in which the train will cross the bridge measuring 1(1/2) km in length

Answer : 3 minutes

Q. In each question below are given two or three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the statements, disregarding commonly known facts. Give answer Statements: Some kites are horses. All horses are dogs. Conclusions: I. All dogs are horses. II. Some dogs are horses.

Answer : If only conclusion II follows.

Q. Common content The following graph shows the percentage growth in the sales of two wheelers in a year when compared to its previous year for the period 2003-2007. Study the graph and ans the questions that follows. Mopeds 0 Scooters Motor Cycles Question In which year was the motor cycle sales was maximum?

Answer : 2004-2005

Q. log xy = 100 and logx2 = 10, then the value of y is

Answer : 21000

Q. Find the probability that a leap year has 52 Sundays.

Answer : 5/7