

Examly Level 4 - Test 5

Q. Statements: Some japanese are chinese. All chinese are indians. No indian is mexicans. Some mexicans are malaysians. **Conclusions:** I. All japanese being mexicans is a possibility. II. No chinese is mexican. III. Some japanese are indians. 1

Answer : Only II and III follows

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: In a certain code, nop all ed' means 'They like flowers'. Which code word means 'flowers'? I. 'id nim nop' means 'They are innocent'. II. 'gob ots all'means ' We like roses'.

Answer : If the data in both statements I and II together are necessary to answer the question

Q. Common content Many great inventions are initially greeted with ridicule and disbelief. The invention of the airplane was no exception. Although many people who heard about the first powered flight on December 17, 1903 were excited and impressed, others reacted with peals of laughter. The idea of flying an aircraft was repulsive to some people. Such people called Wilbur and Orville Wright, the inventors of the first flying machine, impulsive fools. Negative reactions, however, did not stop the Wrights. Impelled by their desire to succeed, they continued their experiments in aviation. Orville and Wilbur Wright had always had a compelling interest in aeronautics and mechanics. As young boys they earned money by making and selling kites and mechanical toys. Later, they designed a newspaper-folding machine, built a printing press, and operated a bicycle-repair shop. In 1896, when they read about the death of Otto Lilienthal, the brothers' interest in flight grew into a compulsion. Lilienthal, a pioneer in hang-gliding, had controlled his gliders by shifting his body in the desired direction. This idea was repellent to the Wright brothers, however, and they searched for more efficient methods to control the balance of airborne vehicles. In 1900 and 1901, the Wrights tested numerous gliders and developed control techniques. The brothers' inability to obtain enough lift power for the gliders almost led them to abandon their efforts. After further study, the Wright brothers concluded that the published tables of air pressure on curved surfaces must be wrong. They set up a wind tunnel and began a series of experiments with model wings. Because of their efforts, the old tables were repealed in time and replaced by the first reliable figures for air pressure on curved surfaces. This work, in turn, made it possible for the brothers to design a machine that would fly. In 1903 the Wrights built their first airplane, which cost less than \$1,000. They even designed and built their own source of propulsion-a lightweight gasoline engine. When they started the engine on December 17, the airplane pulsed wildly before taking off. The plane managed to stay aloft for 12 seconds, however, and it flew 120 feet. By 1905, the Wrights had perfected the first airplane that could turn, circle, and remain airborne for half an hour at a time. Others had flown in balloons and hang gliders, but the Wright brothers were the first to build a full-size machine that could fly under its own power. As the contributors of one of the most outstanding engineering achievements in history, the Wright brothers are accurately called the fathers of aviation.

Question The old tables were — and replaced by the first reliable figures for air pressure on curved surfaces.

Answer : invalidated

Q. Add: (Number in box 7) + (Number in box 6) Put result into box 1. Multiply: (Number in the box 1) x (Number in the box 10) Put result in box 4 subtract: (Number in the box 4) - (Number in the box whose Number is in box 8) Put result into box 11 What Number is now in box 11?.....

Answer : 167

Q. If today is Tuesday. After 68 days, it will be:

Answer : Sunday

Q. Two trains travelling in the same direction at 40 kmph and 22 kmph completely pass each other in 1 minutes. If the length of first train is 125 m, what is the length of second train ?

Answer : 175 m

Q. There is a certain relation between two given words on one side of :: and one word is given on another side of :: while another word is to be found from the given alternatives, having the same relation with this word as the given pair has. Select the best alternative. Poet : Poem :: Choreographer : ?

Answer : Ballet

Q. If volume of sphere is 1000 cm³ then find the radius of the sphere?

Answer : 6.2 cm

Q. Pick out the best alternative for the underlined part of the given sentence. Antony, coming alongside Cleopatra's ship, climbed aboard without seeing or being seen by her.

Answer : climbed aboard without seeing Cleopatra or being seen by her.

Q. In this question, stands for 'equal to'; for 'greater than'; for 'less than' and for 'not equal to'. If $6x - 5y$ and $2y - 3z$, then

Answer : $4x - 3z$

Q. In an A.P 7th term is 23 and 29th term is 85. Find the 18th term in the A.P ?

Answer : 54

Q. The number of integers between 100 and 200 which are divided by 7-

Answer : 14

Q. Arjun buys a toy at Rs 100 and sells it at Rs 120. Amin buys the same toy at Rs 120 but sells it at Rs 100. What are the respective profit/loss per cent for the two persons?

Answer : 20%, 16.7%

Q. I traveled eastward 15 km and another 10 km southward. I turned westward and moved for 10 km distance and again another 10 km southward. A travel of another 5 km westward and then 20 km northward ended my journey. Identify the sketch depicting my journey. CORRECT Status: Not Viewed Mark obtained: 0/1 Hints used: 0 Level:

Answer :

Q. Kroner asked 100 adults whether they had studied French, Spanish or Japanese in school. According to the Venn diagram below, how many had studied a. French and Spanish? b. French or Spanish? c. French and Spanish but not Japanese?

Answer : 24,91,20

Q. If $a * b = 2a - 3b + ab$, then $3 * 5 + 5 * 3$ is equal to :

Answer : 22

Q. $78.9 \div (343)1.7 \times (49)4.8 = 7?$ 13.4

Answer : 13.4

Q. If '+' means '×', '-' means '÷', '×' means '+' and '÷' means '-' then what is the value of a given equation? $225 \div 5 + 96 - 3 \times 31$

Answer : 96

Q. Joe is younger than Kathy. Mark was born after Joe. Kathy is older than Mark.

Answer : true

Q. The sentences given in each question, when properly sequenced, form a coherent paragraph. Each sentence is labeled with a letter. Choose the most logical order of sentences from among the given choices to construct a coherent paragraph. A. Whenever the market price is set above or below the equilibrium price, either a market surplus or a market shortage will emerge B. Only at the equilibrium price will no further adjustments be required C. We can count on market participants to find this equilibrium D. To overcome a surplus or shortage, buyers and sellers will change their behavior-that is, the prices charged or paid and the quantities demanded or sold E. The equilibrium price is the only price at which the amount consumers are willing to buy equals the amount producers are willing to sell

Answer : ADBEC

Q. From a book containing 100 page one page is selected randomly. What is the probability that the sum of the digits of the page number of the selected page is 11?

Answer :

Q. Pointing to Gopi, Nalni says, "I am the daughter of the only son of his grandfather." How Nalni is related to Gopi?

Answer : Sister

Q. A book was sold for a certain sum and there was a loss of 20%. Had it been sold for Rs. 12 more, there would have been a gain of 30%. What would be the profit if the book were sold for Rs. 4.8 more than what it was sold for?

Answer : No profit, no loss

Q. Two full tanks, one shaped like a cylinder and other like a cone, contain jet fuel. The cylindrical tank holds 500 litres more than the conical tank. After 200 litres of fuel has been pumped out from each tank the cylindrical tank contains twice the amount of fuel in the conical tank. How many litres of fuel did the cylindrical tank have when it was full?

Answer : 1200

Q. A, B, C, D, E, F and G are sitting in a row facing North : 1) F is to the immediate right of E. 2) E is 4th to the right of G. 3) C is the neighbor of B and D. 4) Person who is third to the left of D is at one of ends. What is the position of F?

Answer : Immediate left of A

Q. A. Nevertheless, the focus of otherwise very different movements - from cultural feminism to environmentalism to radical jihadism - is fundamentally the same: moral regulation. B. Identity politics constantly demands the creation of new identities and lifestyle groups, often hostile to one another. C. The main beneficiary of this shift from explicit political clashes to new forms of culture war has been identity politics. D. Many of the political battles of

the past two decades have actually been battles over cultural values, be it marriage, family, immigration, multiculturalism, Islam or the EU.

Answer : DCBA

Q. Common content The following line graphs show the data of company. The first line graph shows the sales and cost which is in Rs. lakhs and the below line graph shows the number of employees (in thousands). Refer to the graphs to answer the questions that follow. Question Which month has the lowest profit per employee?

Answer : May

Q. How many triangles are there?

Answer : 28

Q. In $\triangle ABC$, $DE \parallel AC$, D and E are two points on AB and CB respectively. If $AB=20$ cm and $AD = 8$ cm, then $BE : CE$ is

Answer : 3:2

Q. Mansukh can do a piece of work in 10 hours. If he is joined by Jayanti who is 50% more efficient, in what time will they together finish the work?

Answer : 4 hours

Q. Common content In each of the question below, there are two or three statements given followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusion(s) logically follow(s) from the given statements
Question
Statements: All nibs are tips. Many nibs are ribs
Conclusions: I. Some nibs are tips II. Some tips are nibs III. All nibs are ribs IV. Some nibs are not ribs

Answer : I and II and either III or IV follow

Q. A garrison of 1500 men is provisioned for 60 days. After 25 days the garrison is reinforced by 500 men. How long will the remaining provisions last?

Answer : 26.25 days

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 : 5 dots are adjacent to 3, 2 and 4 dots.

Q. In a ΔABC , AD intersects A and BC. If $BC = a$, $AC = b$ and $AB = c$, Then :

Answer : $CD = ab/(b+c)$

Q. Choose the word which conveys the OPPOSITE meaning for the word: WILE

Answer : Ruse

Q. Find out the wrong number 10, 5, 19, 12, 39, 26, 73, 54

Answer : 39

Q. The value of $\sin 10^\circ \sin 30^\circ \sin 50^\circ \sin 70^\circ$ will be -

Answer : $1/16$

Q. A four-person crew from Classic Colors is painting Mr. Field's house. Michael is painting the front of the house. Ross is in the alley behind the house painting the back. Jed is painting the window frames on the north side, Shawn is on the south. If Michael switches places with Jed, and Jed then switches places with Shawn, where is Shawn?

Answer : in front of the house

Q. B,C,E,G,K,M,—?

Answer : Q

Q. Select the most suitable synonym mainstream

Answer : conventional

Q. Common content study the given chart and answer the questions Question If a candidate joins but after a week, he wants to leave the job. Then what will be the next seen?

Answer : Not mentioned in DFD.

Q. A number is increased by 20% and then decreased by 20%, the final value of the number is ?

Answer : decreases by 4%

Q. W is as much younger than X as he is older than Y. If the sum of the ages of X and Y is 60 years, what is the difference between X and W's age?

Answer : Data insufficient

Q. The simplified value of $(\sec A - \cos A)^2 + (\operatorname{cosec} A - \sin A)^2 - (\cot A - \tan A)^2$

Answer : 1

Q. Recently, there was a warning against consuming squid in Mumbai, as they found that they contained a large amount of Domoic acid, which is toxic. Hence, warnings were put up in newspapers. However, later the officials realised that the population of octopus in the water bodies has gone down, and hence decided to remove the warning. Which of the following options could be a plausible reason as to why the warning was removed?

Answer : Octopuses cannot survive in water bodies that are not saturated by acids.

Q. Who is paternal uncle of P? Statement I: P is brother of L, who is daughter of Q, who is sister of N, who is brother of S. Statement II: M is brother of K, who is husband of L, who is mother of G, who is sister of P.

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. The ratio of the prices of two watches is 16:23 .If the price of the 1st watch be increased by 10% and that of 2nd by Rs 447 , the ratio of their prices becomes 11:20.The initial prices of the two watches are Rs ,Rs

Answer : ,Rs

Q. If the side of a square is increased by 40% then find the percentage change in the area of the square?

Answer : 96% increase

Q. In a group, there are 4 Arts students, 8 Commerce students and some Science students. Number of ways in which 1 Arts student, 1 Commerce student and 1 Science student can be selected from the group is 192. A committee of six members is to be formed such that the group contains 3 Science students, 2 Commerce students and 1 Arts students. Find the total number of ways in which the committee can be formed.

Answer : 2240

Q. The total age of 45 boys and 40 girls is 1540 years. The total age of 50 boys and 20 girls is

1320. Then the average age of boys is

Answer : 20 years

Q. A bag contains coins of one rupee, two rupee & five rupees. The total money in the bag is Rs. 120. If the total number of one rupee and two rupee coins are 35 and in ratio of coins is 2 : 5. Find the probability of getting a 5 rupee coin if a coin is randomly picked from the bag?

Answer : 12/47

Q. Two trains of lengths 125 m and 175 m cross each other in 12 seconds. If the speed of one of the trains is 40 km/h, what is the speed of the other train in m/sec

Answer : 13.8 m/sec

Q. Common content Read the passage and answer the questions based on the passage Dismantling of trade barriers and lowering of tariff has been an integral component of the economic reforms/liberalization policy initiated in 1991. Besides the delicensing of domestic industry, removal of trade barriers has changed the competitive turf for Indian industry. Take the example of the steel industry. Prior to liberalization, the Indian steel industry was subject to intense controls. Liberalization changed all this. The post-liberalization steel industry saw the setting up of fresh capacities. Significant investments were made by existing producers in the areas of modernization and technological up-gradation. Other than increased domestic production the 1990s also saw strong export performance by the steel sector. From a level of around 450,000 tonnes in 1991-92, steel exports registered a four-fold increase – to 1.7 million tonnes – by 1996-97. Theoretically, globalization means a bigger geographical market, but in practice, it implies stiff competition for the domestic producers, specially if the producer is US-based and pampered by subsidies. When threatened with such prospects, the developed countries immediately give a go-by to the professed benefits of globalization and indulge in blatant protectionism. Between 1997 and 2001, five cases of anti-dumping have been registered against Indian steel by different countries, and one is on the anvil. Both HR coils and plates from India. have been found to be too hot to handle by the US, the European Union and Canada. That Indian steel would become a threat to the steel industry in the West within a decade of liberalization would not have been believed even by a die hard Swadeshi economist. However, the anti-dumping machinery in the West has greater faith in our abilities. Hence, after a systematic investigation they have decided that Indian steel exports have indeed harmed their domestic producers who need protection. Accordingly, anti-dumping duties of various level have been imposed against Indian exports. At this stage it will be worth noting how the anti-dumping machinery functions in the US. It is initiated with the local industry lodging a complaint with the Department of commerce which handles anti-dumping cases. The-Doc has two wings-the International trade Commission which determines injury to the domestic producers, and the International Trade Administration which carries out investigation. The ITC investigates the petition if the domestic producers to determine whether it is justified in terms of industry. Incidentally, the details of how it is determined are not divulged, unlike Europe which has a set procedure that can be challenged. The ITC, after establishing the extent of injury, confirms the same to the DoC. The ITA then carries out its investigation through a questionnaire to the producer and to the concerned government for countervailing duty. The ITA is empowered to investigate cases against a government, a producer or both. Question According to the passage, what would not have been even believed by a die-hard Swadeshi economist?

Answer : Indian steel industry would threaten the western steel industry.

Q. In the following questions the first and the last blocks mark the beginning and the end of a series respectively. The numbered blocks are a part of the series. However, one of these numbered blocks violates the pattern. Find the odd block and mark your answer from 1-5 accordingly.

Answer : 5

Q. A bag contains 21 toys numbered 1 to 21. A toy is drawn and then another toy is drawn without replacement. Find the probability that both toys will show even numbers.

Answer : $9/42$

Q. If $a + b + c = 9$, $ab + bc + ca = 26$, $a^3 + b^3 = 91$, $b^3 + c^3 = 72$ and $c^3 + a^3 = 35$, then what is the value of abc ?

Answer : 24

Q. In the question below is given a statement followed by several assumptions. An assumption is something supposed or taken for granted. You have to consider the statement along with the assumptions and then decide as to which of the assumptions is implicit in the statement. Statement : "Send the envelope by speed - post to reach the destination quickly" - A advises B. Assumptions : I. The "speed - post" service is available to the desired destination. II. "A" always uses " speed - post" service. III. No other service is available for sending the envelope. IV. For B, reaching of the envelope to the destination is an emergency.

Answer : Only I and IV are implicit

Q. Find the correct alternative for the underlined part. The expedition did not enter the water-filled clearing because it believed that to do it endangers the rare Spanish moss hanging from the trees.

Answer : doing so would endanger

Q. Find the mirror image of the clock when the time is 02:40

Answer : 09:20

Q. How many four digit numbers greater than 5000 can be formed with the digits, 3, 5, 7, 8, 9 no digit being repeated? 124

Answer : 72

Q. The following pie charts show the total income and the total expenditure of family members. Study the following pie-charts carefully and answer the questions given below: What is the ratio of total income of A and B together and the total expenditure of E and F together?

Answer : 175:114

Q. If $\log 72 = m$, then $\log 4928$ is equal to

Answer : $(1 + 2m)/2$

