Examly Level 2 - Test 3

Q. From a bag containing 8 green and 5 red balls, three are drawn one after the other. Find the probability of all three balls being green if (a) The balls drawn are replaced before the next ball is picked (b) The balls drawn are not replaced

Answer : (83/133), 28/143

Q. Consider a right–angled triangle with inradius 2 cm and circumradius of 7 cm. What is the area of the triangle?

Answer : 32 sq cms

Q. Which of the following is a perfect cube ?

Answer : 9261

Q. Read the following information carefully and answer these questions: K, L, M, N, O, P and Q are sitting in a circle facing at the centre and playing cards. O is neighbour of K and N. Q is not between P and M. P is to the immediate right of K. L is second to the left of Q. What is the position of P?

Answer : Second to the left of M

Q. If in a certain code POSTING is written as LQOVEPC, then how will ANSWER be written in the same code?

Answer : WPOYAT

Q. In how many ways can 3 women be selected out of 15 women; if one particular woman is always included and two particular women are always excluded?

Answer : 66

Q. Study the flowchart shown below to answer the following questions. For an individual who works for a government organization and owns a house, it is given that he is 35 years old and earns Rs. 30,000 per month. What would be the approved-amt (in Rs.) for him?

Answer : 37,50,000

Q. In questions below, each passage consist of six sentences. The first and sixth sentence are given in the beginning. The middle four sentences in each have been removed and jumbled up. These are labelled as P, Q, R and S. Find out the proper order for the four sentences. S1: In the middle of one side of the square sits the Chairman of the committee, the most important person in the room. P : For a committee is not just a mere collection of individuals. Q : On him rests much of the responsibility for the success or failure of the committee. R : While this is happening we have an opportunity to get the 'feel' of this committee. S : As the meeting opens, he runs briskly through a number of formalities. S6: From the moment its members meet, it begins to have a sort nebulous life of its own. The Proper sequence should be:

Answer : QSRP

Q. In each of the questions below are given three statements, followed by conclusions: I, II, III, IV. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts. Statements: No watch is cycle. No cycle is Motorbike. Some auto are motorbike Conclusion: I. No Motorbike is watch II. No motor bike is cycle III. Some cycles are watches IV. All Motorbikes are watches

Answer : None of these

Q. QPO, NML, KJI, —-, EDC

Answer : HGF

Q. A firm has 40 workers working in the factory premises, 30 working its office and 20 working in both the factory and the office. How many workers are in the firm?

Answer : 50

Q. Thirty percent of the employees of a call centre are males. Ten percent of the female employees have an engineering background. What is the percentage of male employees with engineering background? A: Twenty five percent of the employees have engineering background. B: Number of male employees having an engineering background is 20% more than the number of female employees having an engineering background. If the question can be answered by using the statement A alone but not by using the statement B alone.

Answer : If the question can be answered by using either of the statements alone.

Q. A boat can travel with a speed of 13 km/hr in still water. If the speed of the stream is 4 km/hr, find the time taken by the boat to go 68 km downstream.

Answer : 4 hours

Q. If 6 @ 4 @ 7 = 101 and 2 @ 5 @ 11 = 150, then what is the value of A in A @ 8 @ 9 = 289?

Answer : 12

Q. In a series of six consecutive even numbers, the sum of the second and sixth numbers is 24. What is the fourth number?

Answer : 12

Q. Evaluate: $(\sin\theta + \csc\theta)^2 + (\cos\theta + \sec\theta)^2$

Answer : $7 + \tan^2\theta + \cot^2\theta$

Q. Replace the underlined part of the question with a grammatically correct option. The only way for growers to salvage frozen citrus is to process them quickly into juice concentrate before they rot when warmer weather returns.

Answer : have to quickly processed into juice concentrate before warmer weather returns and rots the fruit.

Q. Study the flowchart shown below to answer the following questions. For an individual who works for a government organization and owns a house, it is given that he is 35 years old and earns Rs. 15,000 per month. What would be the approved-amt (in Rs.) for him?

Answer : 18,75,000

Q. At what time between 1 and 2 o' clock will the hands of a watch makes an angle of 180°

Answer : 38(2/11) min. past 1

Q. P is the sister of Q. R is the father of S, who is the brother of Q. R married to T. How is Q related to T?

Answer : Either son or daughter

Q. When the given figure is folded to form a cube then which face is opposite to the face with 2?

Answer : 1

Q. The year next to 1990 will have the same calendar as that of the year 1990 is

Answer : 1996

Q. Find the area of the circle circumscribed about a square each side of which is 10 cm.

Answer : 157.14 cm2

Q. Conclusions: All months being year is a possibility. No month is a day. Statements: Statements – 1: Some months are weeks. No week is a day. No month is a year. Statements – 2: All months are weeks. No week is a day. All days are years. Statements – 3: Some months are weeks. All months are days. No month is a year. Statements – 4: All months are weeks. No week is a day. No month is a year. Statements – 5: Some months are weeks. All months are days. All days are years.

Answer : Only Statements – 2

Q. How many 4 digit numbers can be formed using the digits (1, 3, 4, 5, 7, 9) when repetition of digits is not allowed?

Answer : 360

Q. Find the greatest number which on dividing 34100, leaves a remainder 63 and on dividing 307100, leaves a remainder 93.

Answer : 337

Q. Look carefully at the sequence of symbols to find the pattern. Select correct pattern.

Answer : 3

Q. If log9 x + log3 x = 9, then the value of x is

Answer : 729

Q. In the sentence provided a part of the sentence is underlined. Beneath the sentence, four/five different ways of paraphrasing the underlined part are indicated. Choose the best alternative amongst the four/five. The board of directors requires that these reports should be submitted before the end of the current quarter. that these reports should be submitted

Answer : that these reports be submitted

Q. A right triangle with sides 9 cm, 12 cm and 15 cm is rotated about the side of 9 cm to form a cone. The volume of the cone so formed is 400 Π cm3

Answer :

Q. The ratio of zinc and copper in a brass pieces is 13 : 7. How much zinc will be there in 100 kg of such a piece?

Answer : 65 kg

Q. Select the option that is most nearly OPPOSITE in meaning to the given word . : BENE-DICTION (OPPOSITE)

Answer : anathema

Q. The second figure in the first part of the problem figures bears a certain relationship to the first figure. Similarly, one of the figures in answer figures bears the same relationship to the first figure in the second part. You have to select the figure from the set of answer figures which would replace the sign of the question mark(?). CORRECT Status: Not Viewed Mark obtained: 0/1 Hints used: 0 Level:

Answer :

Q. Two dice are thrown simultaneously. What is the probability of getting two numbers whose product is even?

Answer : 3/4

Q. If A and B can do a piece of work in 8 days, B and C in 12 days and C and A in 16 days, then in how many days will C finish it when working alone?

Answer : 96 days

Q. Common content Study the given bar graph and pie chart to answer the following questions. The bar graph shows the production (in thousand tonnes) of Wheat, Rice and Maize in different states. Question If MP exports 40% of Rice at the rate of Rs.30 per kg and UP exports 30% of Rice at the rate of Rs.32 per kg, then what is the ratio of the income from the exports ?

Answer : 65:48

Q. If tan +cot =5, then tan2 +cot2 is

Answer : 23

Q. John's marks were wrongly entered as 83 instead of 63. If the average marks calculated for the whole class increased by half, then find the number of students in the class.

Answer : 40

Q. Gowthaman needs 25% to pass. If he scored 424 marks and falls short by 26 marks, what was the maximum marks he could have got?

Answer : 1800

Q. Raju walks 80 metres towards south. Then, turns to his right & starts walking straight till he completes another 80 metres. Then, again turning to his left he walks for 60 metres. He then turns to his left & walks for 80 metres. How far is he from his initial position?

Answer : 140 metres

Q. In each question below is given a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement. Statement: The State government has decided to appoint four thousand primary school teachers during the next financial year. Assumptions: There are enough schools in the state to accommodate four thousand additional primary school teachers. The eligible candidates may not be interested to apply as the government may not finally appoint such a large number of primary school teachers Only assumption I is implicit

Answer : Only assumption I is implicit

Q. The perimeter of a square is double the perimeter of a rectangle. The area of the rectangle is 480 sq cm. Find the area of the square.

Answer : Cannot be determined

Q. Eight years ago, Ajay's age was 4/3 times that of Vijay. Eight years hence, Ajay's age will be 6/5 times that of Vijay. What is the present age of Ajay?

Answer : 40 years

Q. Find out the two signs to be interchanged for making following equation correct 5 + 3 x 8 - 12 / 4 =3

Answer : - and /

Q. What will be remainder when (6767 + 67) is divided by 68?

Answer : 66

Q. Two pipes A and B can fill a tank in 20 and 30 minutes respectively. If both the pipes are used together, then how long will it take to fill the tank?

Answer : 12 min

Q. 456 ÷ 24 × 38 − 958 + 364=?

Answer : 128

Q. Common content These questions are based on the following graphs. The bar graph gives the details of income of a person (in thousands of rupees) and the line graph gives the details of savings of the person for six years from 2000 to 2005. Income = Savings + Expenditure Savings percentage = * 100 Question In which year was the savings of the person the highest?

Answer : 2005

Q. Common content Read the passage and answer the questions that follow: Marianne Moore (1887-1972) once said that her writing could be called poetry only because there was no other name for it. Indeed her poems appear to be extremely compressed essays that happen to be printed in jagged lines on the page. Her subjects were varied: animals, laborers, artists, and the craft of poetry. From her general reading came quotations that she found striking or insightful. She included these in her poems, scrupulously enclosed in quotation marks, and sometimes identified in footnotes. Of this practice, she wrote, " 'Why many quotation marks?' I am asked ... When a thing has been so well that it could not be said better, why paraphrase it? Hence, my writing is, if not a cabinet of fossils, a kind of collection of flies in amber." Close observation and concentration on detail and the methods of her poetry. Marianne Moore grew up in Kirkwood, Missouri, near St. Lois. After graduation from Bryn Mawr College in 1909, she taught commercial subjects at the Indian School in Carlisle, Pennsylvania. Later she became a librarian in New York City. During the 1920's she was editor of The Dial, an important literary magazine of the period. She lived quietly all her life, mostly in Brooklyn, New York. She spent a lot of time at the Bronx Zoo, fascinated by animals. Her admiration of the Brooklyn Dodgers-before the team moved to Los Angeles-was widely known. Her first book of poems was published in London in 1921 by a group of friends associated with the Imagist movement. From that time on her poetry has been read with interest by succeeding generations of poets and readers. In 1952 she was awarded the Pulitzer Prize for her Collected Poems. She wrote that she did not write poetry "for money or fame. To earn a living is needful, but it can be done in routine ways. One writes because one has a burning desire to objectify what it is indispensable to one's happiness to express Question What is the passage mainly about?

Answer : Marianne Moore's life and work.

Q. In the question below is given a statement followed two courses of action. Course of action is a step or administrative decision to be taken for improvement, follow up or further action in regard to the problems, policy etc. On the basis of the information given in the statement. You have to assume everything in the statement to be true, then decide which of the given suggested courses, of action logically follows for pursuing. Statement : The Government has decided not to provide financial support to voluntary organisations from next five year plan and has communicated that all such organisations should raise funds to meet their financial needs. Courses of action : I. Voluntary organisations should collaborate with foreign agencies. II. They should explore other sources of financial support. if only I follows;

Answer : if only II follows;

Q. Common content Read the passage and answer the questions that follows The growth of the Internet and the hype about the new economy has prompted many management gurus to lay a strong emphasis on building strong intangible assets. The essence of their argument is that companies should build competencies in areas such as design, supply chain management and brand building and leave the 'dirty-job of constructing and running factories to contractors. Indeed, the stellar performance of companies like Cisco and Enron in the 1990s, provided strong support for this argument. With the fall of Enron, which burnt its fingers while attempting to convert itself from a brick and mortar to a new economy outfit, this argument looks very weak. On the other hand, the good old 'smoke stack' companies, with their physical assets, look I safer to investors, even if they do not offer superlative returns. In their enthusiasm to propound the virtues of intangible assets, what consultants and academics seem to have forgotten is that life cannot go on without physical goods. The brush and paste with which we start the day, the morning coffee we have, the breakfast, lunch and dinner we eat all involve 'tangible' items. We ride to the office on 'physical' vehicles. A modern office consists of 'physical' assets such as chairs, tables, workstations, air-conditioners and coffee vending, machines. True, we do consume services such as Internet access, banking, courier and haircuts. But if we carefully reflect, we would realize that we consume much more of goods than services. This argument is applicable to both developing and developed countries. In developed countries, services account for a major portion of the GDP. But this does not imply that people in these countries do not need physical goods. It only means that physical production has shifted to low wage locations. The point to note is that someone has to manufacture goods. The entire world cannot operate on a 'virtual' paradigm! When Enron decided to move out of electricity generation into electricity trading, it thought to be smart. Indeed, before its recent collapse, it was quite arrogant towards the bigger companies in the energy industry, which owned a lot of physical assets. Former Enron CEO, Jeff Skilling, once commented (Fortune, December 24, 2001) on old economy companies. "These big companies will topple over from their own weight." Today, Enron has toppled but many of these old economy companies still exist! Moreover, companies like Cisco, which have been considered the ultimate experts in strategic outsourcing and supply chain management, were left clueless when the US technology sector recently went into a slowdown. This forced them to take massive write-offs. A point often overlooked is that it is usually must easier to evaluate quality of physical assets than that of intangible ones. Physical assets can be valued with a fairly high degree of accuracy using different methods such as book value, market price or replacement cost. But valuation of intangible assets like brands involves several assumptions, which often turn out to be wrong. In many cases, there is a huge gap between projected and actual cash flows. Moreover, the accounting practices of companies built around intangible assets are often controversial. For example, AOL capitalized its advertising expenditures for several years arguing that they were capital investments. The dividing line between expenditures, which will yield a one time benefit and those which will yield benefits over a period of time,is extremely thin. In the case of the 'smoke stack' companies on the other hand, accounting practices can be much more transparent. It is time to take the brick and mortar companies more seriously. These companies may not look so glamorous. They may also not achieve super normal growth rates. But they are safer bets. They have physical assets like real estate and plant and equipment, which cannot evaporate even if the markets crash! These assets can generate cash during bad times. And cash, as we all know, is the ultimate hedge against risk. But intangible assets such as corporate reputation can vanish overnight if things go wrong. This is exactly what has happened with many of the new economy outfits. So, has the time come to say "Three Cheers" to the brick and mortar companies? Question Which of the following is relevant in the passage's context?

Answer : The entire world cannot operate on a 'virtual paradigm'.

Q. In a G.P first term is '1' and 4th term is '27' then find the common ration of the same.

Answer : 3

Q. If two grinders and one T.V cost Rs. 7000. While two T.V s and one grinder cost Rs. 9800. The value of one T.V is:

Answer : Rs. 4200

Q. Hoses X and Y simultaneously fill an empty swimming pool that has a capacity of 50,000 litres. If the flow in each hose is independent of the flow in the other hose, how many hours will it take to fill the pool ? (A) Hose X alone would take 28 hours to fill the pool. (B) Hose Y alone would take 36 hours to fill the pool.

Answer : if the question can be answered by using both the statements together but not by either statement.

Q. A publisher sells books to a retail dealer at Rs. 5 a copy but allows 25 copies to count as 24. If the retailer sells each of the 25 copies at Rs. 6, the profit percent made by him is :

Answer : 25%

Q. During the past year, Josh saw more movies than Stephen. Stephen saw fewer movies than Darren. Darren saw more movies than Josh. If the first two statements are true, the third statement is Because the first two sentences are true, both Josh and Darren saw more movies than Stephen. However, it is uncertain as to whether Darren saw more movies than Josh.

Answer : uncertain

Q. At a parking lot, a sedan is parked to the right of a pickup and to the left of a sport utility vehicle. A minivan is parked to the left of the pickup. The minivan is parked between the pickup and the sedan. If the first two statements are true, the third statement is

Answer : false

Q. Find the synonym of the given word: ABANDON :

Answer : Forsake

Q. The ratio of the number of boys to the number of girls in a school of 1638 is 5 : 2. If the number of girls are increased by 60, then what must be the decrease in the number of boys, so as to make the ratio of boys to girls as 4 : 3?

Answer : 466

Q. Look at this series: 36, 34, 30, 28, 24, ... What number should come next?

Answer : 22

Q. In the following question, statements 1 and 6 are respectively the first and the last sentences of a paragraph and statements A, B, C and D come in between them. Rearrange A, B, C and D in such a way that they make a coherent paragraph together with statements 1 and 6. Select the correct order from the given choices and mark its number as your answer. 1. Recently we have heard much about the deplorable condition of sports in our country. A. Hence they fail to put up their best and therefore their achievements do not come up to international standard. B. In India, state's encouragement to sports is meagre? C. Sportsmen in most other countries do not face such difficulties. D. Sportsmen are not given proper consideration and they remain insecure in matters of employment. 6. It is high time that the nation's attention be drawn to the troubles of sportsmen.

Answer : BDAC

Q. Excluding stoppages, the speed of a bus is 80 kmph and including stoppages, it is 60 kmph. For how many minutes does the bus stop per hour?

Answer : 15