

## Examly Level 4 - Test 2

**Q.** Middletown is north of Centerville. Centerville is east of Penfield. Penfield is northwest of Middletown.

*Answer :* false

**Q.** Amit starts from his house, walks 4 m North, took a right turn walked 4 m, from there he took a left turn and walked 4 m. From there his school is 2 m to his right. How far is his house and in what direction from school?

*Answer :* 10 m South-west

**Q.** A. Good writers use more verbs. B. However, it is hard to write without verbs. C. The reason is that if unnecessary words are reduced, the verb-percentage goes up as a mathematical necessity. D. So “use verbs” is not really good advice; writers have to use verbs, and trying to add extra ones would not turn out well.

*Answer :* ACBD

**Q.** Each question consists of four sentences on a topic. Identify the incorrect sentence or sentences: A. When I finally climbed off the boat, I fell nearly into the harbor. B. My left leg was soaked to my thigh. C. One of my shoe sank into the sea. D. I stumbled and took a splinter in my knee.

*Answer :* A and B

**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 A ?

*Answer :* Extreme right

**Q.** If ratio of volume of sphere to volume of cylinder is 2 : 3 and radius of cylinder is equal to the side of square whose perimeter is 84 cm then find the curved surface area of cylinder(in  $\text{cm}^2$ ). Given that radius of sphere is equal to radius of cylinder.

*Answer :* 5544

**Q.** In 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 question. Read both the statements and Give answer How is A related to F?  
Statement I: M is sister of F. B is mother of M. D is father of L. L is brother-in-law of A. C is married to D and has only 2 children one of them being B. Only one of the children of D is married. Statement II: H is niece of G who is brother of A. K is father of A. B is only daughter-in-law of J. G is son of J. F is sister of H.

*Answer :* If the data in statement I alone are sufficient to answer the question

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

*Answer :* Not mentioned in DFD.

**Q.** If  $\times$  means  $\div$ ,  $-$  means  $\times$ ,  $\div$  means  $+$  and  $+$  means  $-$ , then  $(4 - 15 \div 12) \times 8 + 9 = ?$

*Answer :* 0

**Q.** In a certain code the following numbers are coded in a certain way by assigning signs

*Answer :* 79382

**Q.** In the following questions, Element (ii) is related to element (i) in a particular way in four pairs of figures out of the given five. Find out, the pair of figures in which the element (ii) is not related to element (i).

*Answer :* 5

**Q.** Two men start together to walk a certain distance, one at 4 kmph and another at 3 kmph. The former arrives half an hour before the latter. Find the distance.

*Answer :* 6 km

**Q.** The ratio of girls in a school under 12 years and those over 12 years was 3 : 2 at the commencement of a term, At the end, the ratio was 2 : 3 as 30 girls had reached the age of 12 years during the term. Find the total number of girls in the school, assuming nobody left or was admitted during the term.

*Answer :* 150

**Q.** XYZ became the class monitor, for the month of June, taking over from ABC, who was the class monitor in the month of May. XYZ's popularity has gone down in class, and he believes that it is due to him not making excuses for the students who come late to class, and reporting them to the teacher instead, and also because he does well in academics, and believes that the

others are jealous of him. Which argument would weaken XYZ's belief in the reasons for his lack of popularity?

*Answer :* Even after ABC's scores dropped, he was disliked.

**Q. Select most suitable synonym tardy**

*Answer :* belated

**Q. In the cyclic quadrilateral ABCD,  $\angle BCD = 120^\circ$ ,  $m(\text{arc DZC}) = 70^\circ$ , find  $\angle DAB$  and  $m(\text{arc CXB})$ .**

*Answer :*  $60^\circ$ ,  $50^\circ$

**Q. Study the flow chart shown below to answer the following questions. In which situation can this flowchart get stuck in an infinite loop? capgemini-flow-chart-questions-answers-freshers-written-2**

*Answer :* When  $N \leq 0$

**Q. Five boys and three girls are sitting in a row of eight seats. In how many ways can they be seated so that not all girls sit side by side?**

*Answer :* 36000

**Q. The probability that Alex will solve a problem is  $\frac{1}{5}$ . What is the probability that he solves at least one problem out of 4 problems?**

*Answer :*  $\frac{369}{625}$

**Q. If  $\sin \theta + \operatorname{cosec} \theta = 2$ , then  $\sin^2 \theta + \operatorname{cosec}^2 \theta$  is equal to**

*Answer :* 2

**Q. Common content Study Table and answer the questions given below that. Question The total amount of bonus paid by the company during the given period is approximately what percent of the total amount of salary paid during this period?**

*Answer :* 1%

**Q. In an auditorium the chairs were arranged such that the number of rows was 3 more than the number of columns. The chairs are rearranged by removing 4 columns and adding 8 rows without adding or removing any chair. How many people can sit in that auditorium at a time?**

*Answer : 154*

**Q.** A cube of side 4cm is painted black on all the surfaces and then divided into various smaller cubes of 1cm each. The smaller cubes so obtained are separated. The total number of cubes with two surfaces painted are:

*Answer : 24*

**Q.** Replace the underlined portion with the answer choice that results in a sentence that is clear and precise. Frankie and Jean are both very quickly runners: they really blew the crowd away at the track meet.

*Answer : Frankie and Jean are both very fast runners: they really blew the crowd away at the track meet.*

**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 People thought that the Wright brothers had —

*Answer : acted without thinking*

**Q.** The real cost of an article is 56% of the price at which it is marked for sale. It is, however,

sold at a trade discount of  $12\frac{1}{2}\%$ . How much is the seller's gain percent?

*Answer* : 56.25 %

**Q.** If Sunday falls on 4th April, 1992. What was the day on 3rd Nov. 1991?

*Answer* : Saturday

**Q.** One day Eesha started 30 min late from home and reached her office 50 min late while driving 25% slower than her usual speed. How much time in min does Eesha usually take to reach her office from home?

*Answer* : 60min

**Q.** Select the option representing the best sequencing of the given statements. (A) Modern research, however, has proved that there were invaders even before the Aryans poured into this land. (B) It was thought that they came to a country which was uncivilised and barbarian. (C) They had evolved a civilisation higher than that of the Aryan hordes who came in their wake. (D) Till recently the Aryans were regarded as the earliest invaders of the land.

*Answer* : DBAC

**Q.** Read the statement and answer the question that follows Country Y has sought the help of country X, to catch the notorious don. Because of this request, country X is caught between the devil and the deep sea. Which of the following is an assumption which is implicit in the above statement?

*Answer* : Country X can find out the whereabouts of the don.

**Q.** The value of  $\cos 225^\circ + \cos 270^\circ$  is

*Answer* :  $-1/\sqrt{2}$

**Q.** Common content In each of the questions below, we are given four statements followed by four conclusions numbered I, II, III, IV. You have to take the given statements to be true and read all the conclusions before you decide which of the conclusions logically follows from the given statements disregarding commonly known facts. Question Statements: All suns are stars. All moons are stars. Some planets are suns. Some stars are gases. Conclusion: I. Some stars are planets. II. Some suns are gases. III. No moon is planet. IV. Some gases are moons.

*Answer* : I follows

**Q.** In a metropolitan city 25% neither watch TV news nor read newspaper, 35% read a newspaper and 20% read a newspaper and watch the news on television also. What percent of

people watch Television?

*Answer* : 60%

**Q.** The ratio of angles of triangle is 2:3:5. Find the smallest angle of the triangle.

*Answer* : 36°

**Q.** A series of books was published at 10 years intervals when the 10th book was issued the sum of publication years was 19,560 when was the 1st book published

*Answer* : 1911

**Q.** The following table shows the total number of students studying in various departments in various engineering colleges in the year 2017 and the percentage of girls among them. Total students in college “A” is approximately what percentage more/less than the total students in college “C” in all the given departments together?

*Answer* : 4% more

**Q.** Find the wrong number in the series. 3, 8, 15, 24, 34, 48, 63

*Answer* : 34

**Q.** Statements: All goats are lions. No lion is tiger. Some tigers are horses. Conclusions: I. Some horses are goats. II. No horse is goat.

*Answer* : if either conclusion I or conclusion II follows

**Q.** Find the average of the A.P. 6, 13, 20, ..... 216

*Answer* : 111

**Q.** A root of equation  $ax^2 + bx + c = 0$  (where a, b and c are rational numbers) is  $5 + \frac{3}{\sqrt{3}}$ . What is the value of  $(a^2 + b^2 + c^2)/(a + b + c)$ ?

*Answer* :  $-\frac{105}{11}$

**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. How much did it cost the Jinta Corporation to insure its factory from fire in 1998 ? (A) It cost Rs.5,000 for fire

insurance in 1997. (B) The total amount the corporation spent for fire-insurance in 1996, 1997 and 1998 was Rs.18,000.

*Answer* : if the question cannot be answered even by using both statements together.

**Q.** 200 g of 25% sulphuric acid solution was added to 300 g of 40% sulphuric acid solution. Find the concentration of the acid in the mixture.

*Answer* : 34%

**Q.** If - means  $\times$ ,  $\times$  means  $+$ ,  $+$  means  $\div$  and  $\div$  means  $-$ , then  $4 \times 4 + 16 - 16 \div 30 = ?$

*Answer* : -22

**Q.** If the absolute difference between the selling price of the article when there is 15% loss and 15% gain in selling a article is Rs 450, then what is the cost price of the article?

*Answer* : Rs. 1500

**Q.**  $\sqrt{x} = .02$

*Answer* : 0.0004

**Q.** In a two-child family, one child is a boy. What is the probability that the other child is a girl?

*Answer* :  $2/3$

**Q.** What is the angle between the hands of the clock, when the time is 50 minutes past 6?

*Answer* :

**Q.** Daku and Tamatar can do a piece of work in 70 and 60 days respectively. They began the work together, but Daku leaves after some days and Tamatar finished the remaining work in 47 days. After how many days did Daku leave?

*Answer* : 7 days

**Q.** Two numbers are respectively 40% and 30% more than a third number. The second number expressed in terms of percentage of the first is ? (approx)

*Answer* : 93%

**Q. Gopal can make a model of a building in 10 days and Ravi can break the model in 20 days. If they both perform their job together, then in how many days will Gopal be just able to finish the work?**

*Answer : 20 days*

**Q. The second half of the English alphabets are written in reverse alphabetical order. The remaining are all written in alphabetical order. Find the letter in the 18th position from the left.**

*Answer : V*

**Q. The average age of a group of 8 persons is 40 years. A person aged 60 years leaves the group and another person aged 44 years joins the group. The new average age of the group is**

*Answer : 38 years*

**Q. Choose the word which conveys the OPPOSITE meaning for the word: OFFICIOUS**

*Answer : Indifferent*

**Q.  $848 * 0.0011$**

*Answer : 0.9328*

**Q. Find out which of the answer figures (a), (b), (c) and (d) completes the figure matrix?**

*Answer : D*

**Q. If  $\log_4 X + \log_4(1/6) = 1/2$  then the value of X is?**

*Answer : 12*

**Q. A rectangular park 60 m long and 40 m wide has two concrete crossroads running in the middle of the park and rest of the park has been used as a lawn. If the area of the lawn is 2109 sq. m, then what is the width of the road?**

*Answer : 3*

**Q. Pointing towards a person a man said to a woman "His mother is the only daughter of your father . How is the woman related to that person?**

*Answer : Mother*



Q. At the baseball game, Henry was sitting in seat 253. Marla was sitting to the right of Henry in seat 254. In the seat to the left of Henry was George. Inez was sitting to the left of George. Which seat is Inez sitting in?

Answer : 251

Q. Find the sum of all the natural numbers from 25 to 97

Answer : 4453

Q. If  $a^3 - b^3 = 56$  and  $a - b = 2$ , then the value of  $(a^2 + b^2)$  is :

Answer : 20

Q. Common content Read the passage and answer the following questions: The first thing that strikes one about the discomfort in which our ancestors lived is that it was mainly voluntary. Some of the apparatus of modern comfort is of purely modern invention; people could not rubber tyres on their carriages before the discovery of the rubber plants. But for the most part, there is nothing new about the material basis of our comfort. Men could have made sofas and spring mattresses, could have installed bathrooms and central heating and sanitary plumbing any time during the last three or four thousand years. And, as a matter of fact, at certain periods they did indulge themselves in these comforts. Two thousand years before Christ, the inhabitants of Cnossus were familiar with sanitary plumbing. The Romans had invented an elaborate system of hot air heating and the bathing facilities in a smart Roman villa were luxurious, and completely beyond the dreams of modern man. As for the public baths, very were almost inconceivably luxurious. A single room of the baths of Emperor Diocletian has been transformed into a large church! It would be possible to adduce many other examples showing what could be done, with the limited means at our ancestors' disposal, in the way of making life comfortable. They show sufficiently clearly that if the men of the Middle Ages and early modern epoch lived in dirt and discomfort, it was not for any lack or ability to change their mode of life; it was because they choose to live in this way, because filth and discomfort fitted in with their principles and prejudices – political, moral, and religious. What have comfort and cleanliness to do with politics, morals and religion? Let us begin with the consideration of arm-chairs and heating. Arm-chairs and central heating became possible only with the breakdown of the power of kings and great lords and the decay of social classes and the old family system. Sofas and modern arm-chairs exits for relaxation; indeed you can only loll or sit at ease in them. Now this is not dignified or respectful. When we wish to appear impressive or to rebuke an inferior, we do not lie in a deep chair; we sit up and try to look majestic. Similarly, when we wish to be polite to a lady or show respect to the eminent, we cease to loll; we stand or sit up straight. Now, in the past, human society was hierarchy of ranks in which every man was always engaged in being impressive towards his inferiors or respectful to those above him. Old furniture reflects the physical habits of the class – society which it was made. Question A direct outcome of the hierarchies of the past was

Answer : a rigid and inflexible social structure reflected in the objects of usage