

## Examly Level 3 - Test 1

**Q.** Find out the correct answer for the unsolved equation on the basis of the given equations. If  $6 * 5 = 91$ ,  $8 * 7 = 169$ ,  $10 * 7 = 211$ , then  $11 * 10 = ?$  331

*Answer :* 331

**Q.** Sneha borrowed a certain amount at compound interest and returned the amount with interest in two equal installments. What was the amount borrowed? I. The rate of interest was 10% per annum. II. Each installment was Rs 1210. 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 Statements I and II together are necessary to answer the question

**Q.** Considering given statements as true, select a logical conclusion based on the given statements. Statements: Some roads are highways. Some highways are seaways. Some seaways are airways. Conclusions: I. Some airways are roads. II. Some seaways are roads. III. Some airways are highways. IV. Some roads are airways. Only III and IV follow

*Answer :* None of the above follow

**Q.** A man buys two goats at Rs.120 each. He sells one at 25% gain and the other at 25% loss. How much is his profit or loss? 6.25% gain

*Answer :* No loss no gain

**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: When a satellite is launched, the rocket begins by going slowly upwards through the air. P : However, the higher it goes, the less air it meets. Q : As the rocket goes higher, it travels faster. R : For the atmosphere becomes thinner. S : As a result there is less friction. S6: Consequently, the rocket still does not become too hot. The Proper sequence should be: QPRS

*Answer :* QPRS

**Q.** The purpose of the following flowchart is to add the numbers in boxes 6, 7, 8, and 9 and put the total into box 3. In order to accomplish exactly this - no more and no less - what number must be in box 4? 4

*Answer : 7*

**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 in 1998 was Rs. 250 crores and the total exports in the years 1998 and 1999 together was Rs. 500 crores, then the imports in 1999 was ? 250 cr

*Answer : 420 cr*

**Q.** Evaluate:  $\frac{(\tan \theta + \sin \theta)}{(\tan \theta - \sin \theta)} (\sec \theta + 1) / 2$

*Answer :  $(\sec \theta + 1) / (\sec \theta - 1)$*

**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 its 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 within 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 meritocratically 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 meritocratically 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 How were East Asian industries able to get the disciplined and knowledgeable workers they needed? They got them from their technical universities.

*Answer :* The system of Entrance Exams that developed from confucianism helped develop knowledge and discipline in the students.

**Q.**  $x, y, z$  are real numbers where  $x + y - z = 0$ . The value of  $(x^2 - y^2)^2$  is 1.  $z^4 - xyz^3$  2.  $z^4 - 4xyz^2 + 4y^2z^2$  1 only

*Answer :* Neither 1 nor 2

**Q.** Salaries of Ravi and Sumit are in the ratio 2:3. If the salary of each is increased by Rs. 4000, the new ratio becomes 40:57. What is Sumit's salary? 38000

*Answer :* 38000

**Q.** Aamir move 3 kms east from his starting point. He then travels 6 kms north. From that point he moves 5 kms to the east. How far is Aamir from his starting point? 10 Km

*Answer :* 10 Km

**Q.** Choose the correct antonym of the given word Stagnant Inertia

*Answer :* Mobile

**Q.** If  $\log 27 = 1.431$ , then the value of  $\log 9$  is: 0.934

*Answer :* 0.954

**Q.** Choose the odd numeral pair/group in the following options. 303 – 303

*Answer :* 518 – 816

**Q.** A picnic party of four persons is to be selected from 8 Engineers and 3 Doctors so as to include at least one Doctor. The possible number of ways are 168

*Answer :* 260

**Q.** In what proportion would Raj, Karan and Altaf distribute profit among them ? I. Raj gets two-fifth of the profit. II. Karim and Altaf have made 75% of the total investment. If the data in statement I alone are sufficient to answer the question

*Answer* : If the data even in both the statements together are not sufficient to answer the question

**Q.** A watch set right at 7 a.m gains 5 seconds in 3 minutes. On the same day, what will be the true time at 4 p.m? 3.15 p.m.

*Answer* : 4.15 p.m.

**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** The 16th century was an age of great — exploration. cosmic

*Answer* : land

**Q.** In the following question, three different views of a cube are given. Based on these diagrams answer the following questions. Which of the following is at the bottom of figure (i)? Blue

*Answer* : Blue

**Q.** At 12:00 hours Jake starts to walk from his house at 6kms an hour. At 13:30 hours, Paul follows him from Jake's house on his bicycle at 8 kmph. When will Jake be 3 kms behind Paul?

*Answer* : 19:30

**Q.** Pointing to Snehal, Mahesh said, "The only daughter of her mother is my daughter." How is Mahesh related to Snehal?

*Answer* : Father

**Q.** Read the short passage given below and answer the question that follows each passage. In a bubble economy, the feeling of well-being prevails to such an extent that people become oblivious of the lurking danger of a crisis when the bubble bursts. Economists claim that this is human nature as people prefer to ignore the bad when the going is good. Which of the following could be the best description of a 'bubble economy' in the given context?

*Answer :* Consumers continue to make purchases of assets when the prices are increasing over time, in the hope of selling them at larger profits later.

**Q.** In a certain coded language each english alphabet denotes the letter that comes two positions earlier than it i.e. C = A, D = B, J = H, L = J, W = U, B = Z, A = Y etc. on the basis of this code find what would the following groups of letters indicate? RCKPVKPI

*Answer :* PAINTING

**Q.** If 12 men and 16 boys can do a piece of work in 5 days and 13 men and 24 boys can do it in 4 days, then compare the daily work done by a man with that work done by a boy.

*Answer :* 2 : 1

**Q.** A 5 cubic centimeter cube is painted on all its side. If it is sliced into 1 cubic centimeter cubes, how many 1 cubic centimeter cubes will have exactly one of their sides painted?

*Answer :* 54

**Q.** Three dice are rolled together. What is the probability as getting at least one '4'?

*Answer :* 91/216

**Q.**  $-34.7 - 36.1 + 0.5 - -9 + 1$

*Answer :* -60.3

**Q.** There is an unprecedented increase in migration of villagers to urban areas as repeated crop failure has put them into precarious financial situation. Courses of Action: I. The villagers should be provided with alternate source of income in their villages which will make them stay put. II. The migrated villagers should be provided with jobs in the urban areas to help them survive.

*Answer :* Only I follows

**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 Liars ?

*Answer : X*

**Q.** Two tins A and B contain mixtures of wheat and rice. In A, the weights of wheat and rice are in the ratio 2 : 3 and in B they are in the ratio 3 : 7. What quantities must be taken from A and B to form a mixture containing 5 kg of wheat and 11 kg of rice?

*Answer : A = 2 kg, B = 14 kg*

**Q.** How many factors of  $25 * 36 * 52$  are perfect squares?

*Answer : 24*

**Q.** The length of a rope, to which a cow is tied, is increased from 19m to 30m. How much additional ground will it be able to graze? Assume that the cow is able to move on all sides with equal ease.

*Answer : 1694 sq. m*

**Q.** Here there are two sets of figures. The figures on left hand side are problem figures marked by numbers 1,2,3,4 and 5 and on the right hand side are answer figures marked by alphabets a, b, c, and d. A series is established if one of the four answer figures is placed in place of the sign? in the problem figures. The figure from answer figures which should replace the sign? in problem figures is your answer.

*Answer : d*

**Q.** In an AP,  $S_p = q$ ,  $S_q = p$  and S denotes the sum of first r terms. Then,  $S_{q+p}$  is equal to

*Answer :  $p + q$*

**Q.**  $3 \times 3 + 3 - 3 + 3 = ?$

*Answer : 12*

**Q.** Two men are opposite sides of a tower. They measure the angles of elevation of the top of the tower as 300 and 450 respectively. If the height of the tower is 100 m, find the distance between the two men.

*Answer :  $100(\sqrt{3} + 1)$  m*

**Q. Choose the figure which is different from the others.**

*Answer : d*

**Q. Each question consists of four sentences on a topic. Some sentences are grammatically incorrect or inappropriate. Identify the incorrect sentence or sentences: A. Chilika is situated on the eastern sea coast of India. B. A narrow outer channel connect it to the Bay of Bengal. C. On an account of its rich biodiversity, chilika was designate as a 'Ramsar site'. D. Chilika supports some of the larger migratory birds in the country.**

*Answer : C and D*

**Q. Which of the following statements follows the conclusion? Conclusions: All D's are being B's is a possibility Some C are E Statements: Statements – 1: Some A's are B's. Some B's are C's. No C is D. No D is E. Statements – 2: All A's are B's. All B's are C's. Some C's are D's. All D's are E's Statements – 3: Some A's are B's. All B's are C's. Some C's are D's. All D's are E's Statements – 4: All A's are B's. Some B's are C's. No C is D. All D's are E's Statements – 5: All A's are B's. All B's are C's. No C is D. All D's are E's**

*Answer : Only Statements – 2 & 3*

**Q. If a positive number is decreased by 10, then it is 75 times of its reciprocal. Find the number.**

*Answer : 15*

**Q. In each of the following questions, various terms of a letter series are given with one term missing as shown by (?). Choose the missing term out of the given alternatives. AYBZC, DWEXF, GUHVI, JSKTL, (?), POQPR**

*Answer : MQNRO*

**Q. Walking  $\frac{6}{7}$ th of his usual speed, a man is 12 minutes too late. What is the usual time taken by him to cover that distance?**

*Answer : 1 hr 12 mins*

**Q.  $37.5\%$  of 800 –  $6.25\%$  of 1600 =?**

*Answer : 200*

**Q. An air conditioner can cool the hall in 40 minutes while another takes 45 minutes to cool under similar conditions. If both air conditioners are switched on at same instance then how long will it take to cool the room approximately ?**

*Answer : 22 minutes*

**Q. 405 sweets were distributed equally among children in such a way that the number of sweets received by each child is 20% of the total number of children. How many sweets did each child receive ?**

*Answer : 9*

**Q. Common content Study the following information carefully to answer these questions: The total number of employees in the organization is 2500. The table gives the ratios of male and female employees in each department. Question What is the difference between the male and female employees in Logistics Department?**

*Answer : 25*

**Q. Five digit numbers divisible by 9 are to be formed by using the digits 0, 1, 2, 3, 4, 7, 8 (without repetition). the total number of such numbers that can be formed is**

*Answer : 216*

**Q. If  $26.35 \times 16.4 = 432.14$ ,  $4.3214 / 0.164 = ?$**

*Answer : 26.35*

**Q. Study the flow chart give below and the Answer the questions that follow. What number is now in box 5? Flowchart-Based-Logical-Questions-Q4Interview-1**

*Answer : 48*

**Q. A basket contains 10 apples and 20 oranges out of which 3 apples and 5 oranges are rotten. If we choose two fruits at random, what is the probability that either both are oranges or both are not rotten?**

*Answer :  $316/435$*

**Q. The breadth of a garden is half its length. A playground measuring 45 sq. metre occupies one fourth of the total area of the garden. The length of the garden is**

*Answer : 6 m*

**Q. I. Tanya is older than Eric. II. Cliff is older than Tanya. III. Eric is older than Cliff. If the first two statements are true, the third statement is**



*Answer : false*

**Q. A shopkeeper cheats to the extent of 10% while buying and selling, by using false weights. His total gain is.**

*Answer : 21%*

**Q. The outer and inner diameters of a spherical shell are 10 cm and 9 cm respectively. Find the volume of the metal contained in the shell. (use  $\pi = 22/7$ )**

*Answer : 141.95 cm<sup>3</sup>*

**Q. Boys and girls are sitting in a row in audience in front of a stage which faces North. Rani is fifth to the left of Sunita, who is eighth to the right of Nishant. How many children are there between Rani and Nishant?**

*Answer : Two*

**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. It is this factor that makes it difficult for human to distinguish between good and evil personalities. B. A closer look at the behavioral pattern of criminals and animals reveal some amazing similarities. C. Thus, white collar crime is easily committed. D. But, both predator and prey are of the same species in the case of human beings. E. The prey usually identifies its enemy by its appearance or simply by instinct.**

*Answer : BEDAC*

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

*Answer : She came in very quickly so that she might avoid waking her child.*

**Q. In a group of persons travelling in a bus, 6 persons can speak Tamil, 15 can speak Hindi and 6 can speak Gujarati. In that group, none can speak any other language. If 2 persons in the group can speak two languages and one person can speak all the three languages, then how many persons are there in the group ?**

*Answer : 23*

**Q. Pick out the word most similar in meaning to : NAÏVE**

*Answer : gullible*

**Q. Sanjay remembers that his sister Soni's date of birth falls after 20th September but before 23rd September, while his father remembers that Soni's birthday falls after 21st and before 24th September. What is the correct date of birth of Soni?**

*Answer :* 22nd September

**Q. If 20 chairs are bought at Rs.5 each and 15 at Rs.4.50 each and 15 more at Rs.4 each sold so as to gain  $\frac{1}{5}$  of the cost price, then what is the average selling price of a chair?**

*Answer :* Rs.5.46