

## Examly Level 5 - Test 1

**Q.** A wall clock loses 10 minutes every 1 hour. In 1 hour by the wall clock, a table clock gets 10 minutes ahead of it. In 1 hour by the table clock an alarm clock falls 5 minutes behind it. In 1 hour of the alarm clock, a wristwatch gets 5 minutes ahead it. At noon, all 4 timepieces were set correctly. To the nearest minutes, what time will the wrist show when the correct time is 6 p.m. on the same day?

*Answer :* 5.47 pm

**Q.** Man Mohan can alone do a work in 16 hours and Brij Mohan alone in 24 hours. With the help of Munnilal they all the three can finish the work in 6 hours only. How long will Munnilal take to do the work independently?

*Answer :* 16 hours

**Q.** Read the passage and answer the question that follows The drainage facility is not proper in city 'A'. The existing drains are too small to drain the rainwater, leading to floods. The citizen of the city find it very inconvenient. It is also observed that most of the entry points, where the rainwater enters the drains, are choked with plastics and other garbage. Which of the following would be the most appropriate course of action to solve the problem?

*Answer :* Revamp the drainage system and periodically check the openings.

**Q.** A and B together can finish a work in 30 days. They worked for it for 20 days and then B left the work. The remaining work was done by A alone in 20 days more. In how many days can A alone finish the work?

*Answer :* 60 days

**Q.** There are three partners A, B and C in a business. A puts in Rs2000 for 5 months, B Rs.1200 for 6 months and C Rs.2500 for 3 months and the profits are Rs.741. What is the share of A?

*Answer :*

**Q.** An aeroplane at a height of 600 m passes vertically above another aeroplane at an instant when their angles of elevation at the same observing point are  $60^\circ$  and  $45^\circ$  respectively. How many metres higher is the one from the other?

*Answer :* 253.58 m

**Q.** Which two signs should be interchanged in the following equation to make it correct?  $24 \div 8 - 5 \times 5 + 3 = 13$

*Answer :*  $\times$  and  $+$

**Q.** Select the option that is most nearly OPPOSITE in meaning to the given word . : LEVITY (OPPOSITE) bridge

*Answer :* solemnity

**Q.** A sphere of radius  $r$  is cut by a plane at a distance of  $h$  from its center, thereby breaking this sphere into two different pieces. The cumulative surface area of these two pieces is 25% more than that of the sphere. Find  $h$ .

*Answer :*  $r\sqrt{2}$

**Q.** Each of the questions given below comprises two statements followed by four conclusions numbered I, II, III and IV. You have to assume both the statements correct, even if they differ from universally known facts. Go through all the conclusions and then ignoring the universally known facts ascertain as to which of the given conclusions can logically come up from the given statements. Statements: Some cups are panthers. Some panthers are goats. Conclusions: I. Some cups are goats. II. No cup is goat. III. All cups are goats. IV. All goats are cups.

*Answer :* Either I or II is correct

**Q.** Oshkosh did a study of the colors used in African national flags. He found that 38 flags have red, 20 have blue, 13 have both red and blue, and 8 have neither red nor blue. How many flags a. have red but not blue? b. have blue but not red? c. were included in the study?

*Answer :* 25,7,53

**Q.** The value of  $(1/\log 360 + 1/\log 460 + 1/\log 560)$  is—?

*Answer :* 1

**Q.** Common content These questions are based on pie charts and table given. The two pie charts I and II give the distribution of three lakh graduates course wise and state wise. The table below gives the ratio of the number of males and females among the three lakh graduates in the different states. Question In which state was the number of male graduates the maximum?

*Answer :* M.P.

**Q. In how many different ways can 8 examination papers be arranged in a row, so that the best and the worst papers may never come together?**

*Answer : 30240*

**Q. How many numbers, between 1 and 300 are divisible by 3 ' and 5 together?**

*Answer : 20*

**Q. Study the flow chart shown below to answer the following questions. Which of the following value will be printed if the value of N = 0?**

*Answer : 5040*

**Q. One bell rings at an interval of 30 minutes and another at an interval of 25 minutes. If they both ring together at 10.00 am, the time when they will next ring together is**

*Answer : 12.30 pm*

**Q. At a recent examination every candidate took French or Latin, 75.8 percent took French and 49.4 percent took Latin.If the total number of candidates was 2500, then how many took both French and Latin ?**

*Answer : 630*

**Q.  $89003 + 88 - 1179.4 + 2$**

*Answer : 87913.6*

**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. Local self-government is universally seen as democracy at the basic level. A. Who in his right mind would deny that the local people understand their immediate problems and needs, and can devise solutions better than any genius in the distant cloisters of the provincial or federal secretariats? B. Our feudal - turned - politicians know they have no feet to stand on in their own fields. C. Besides, where is the logic in burdening the provincial and federal governments with responsibilities that should rest on the shoulders of the local people? D. Call it by whatever name, it is the foundation of any genuinely democratic culture anywhere. 6. It is time they realised that their time is over.**

*Answer : DACB*

**Q.** The average salary of all the employees in a small organization is Rs 8,000. The average salary of 7 technicians is Rs 12,000 and the average salary of the rest is Rs 6,000. The total number of employees in the organisation is ?

*Answer :* 26

**Q.** An individual's behaviour may change over time, becoming bizarre if medication is stopped and returns closer to normal when receiving appropriate treatment. and can return closer to normal when receiving appropriate treatment.

*Answer :* and returning closer to normal when receiving appropriate treatment.

**Q.** Choose the right option AZP:ZAR::TXK:?

*Answer :* SYM

**Q.** A hollow cylindrical tube is made of plastic is 4 cm thick. If the external diameter is 18 cm and length of the tube is 59cm, then find the volume of the plastic?

*Answer :* 10384 cm<sup>3</sup>

**Q.** It being given that: > denotes +,<denotes -, + denotes ÷, - denotes =, = denotes 'less than' and × denotes 'greater than'. Find which of the following is a correct statement.

*Answer :*  $3 > 2 < 4 \times 8 + 4 < 2$

**Q.** In the given figure, PQ is a diameter of the semicircle PABQ and O is the centre. AOB = 64°. BP cuts AQ at X. What is the value (in degrees) of AXP?

*Answer :* 58

**Q.** In the following questions, a related pair of figures is followed by five numbered pairs of figures. Select the pair that has a relationship similar to that in the original pair, the best possible answer is to be selected from a group of fairly close choices. CORRECT Status: Not Viewed Mark obtained: 0/1 Hints used: 0 Level:

*Answer :*

**Q.** I.  $x^2 - 22x + 120 = 0$  II.  $2y^2 - 3y - 65 = 0$   $x < y$

*Answer :*  $x > y$

**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 row of 15 students, who is standing in the middle position ? (A) Rahul is standing 5th from left end while Kishore is standing 5th from the right end of the row. (B) Meena is standing equidistant from Rahul and Kishore.

*Answer :* if neither statement (A) nor statement (B) is individually sufficient to solve the question, but a combination of both is sufficient to solve the question

**Q. Common content** Read the passage and answer the questions that follow: Once upon a time, there lived a farmer who had a little land. His name was Tuan and he was a very kind and good-natured person. He lived in a hut on his land with his wife and children and earned by selling whatever crops he could produce on his small land. Tuan loved to help others. Whenever someone fell ill or needed something badly, Tuan was there to help that person. If someone died in the village, Tuan assisted the family members of the deceased person in whichever way he could. If anyone fell ill at night, Tuan was right beside the village doctor to help him prepare the medicines and tend to the sick. There seemed to be none who hated this man. He appeared to be loved by one and all. But there was one person who hated Tuan with all his heart. He was Juan, a neighbour of Tuan, who lived in the land next to him. A lazy person by nature, Juan hardly put in as much effort to cultivate his land as Tuan did to produce crops in his own. So when the harvest season arrived every year, Juan found that he had very few crops to sell. Tuan on the other hand, earned a handsome profit through the selling of his produces. One year, Juan could no longer contain his jealousy. Just days before Tuan was to reap his harvest, Juan set fire to his crops at night. Tuan was asleep at this time and it was only the alertness of one of his other neighbors that saved much of his crops from being perished in the deadly flames of the fire that Juan had lighted. When the flames were doused, Tuan saw which direction the fire had started from. Juan's animosity towards him was unknown to Tuan. But he let the matters rest and decided to take action only if he saw Juan repeating his dastardly act once again. That year, Tuan managed to sell the rest of his crops at a good price but he could not make much profit for a good part of his produces had been burnt. He had a heavy heart but he did not like to tell anyone about it. Only days later, Tuan was awakened by the sound of lamentations. He went out to find a crowd beside Juan's hut. He rushed to find that Juan's son had fallen ill. He found that the village doctor was unable to provide a cure to his illness. Tuan knew what he had to do. He untied his own horse and rode it. Then he rushed to the town that was ten miles away and fetched a more experienced doctor who lived there. This doctor was able to guess the disease correctly and provided an exact cure for it. Within hours, the boy was found to sleep soundly and Tuan went with the doctor to take him back to the town. A day later, Juan went to Tuan's hut and began to weep bitterly. He confessed to his sins but was surprised when Tuan told him that he knew about it all. "You knew that I had set fire to your crops? And still you fetched the doctor for my son?" asked the astonished Juan. Tuan nodded and said, "I did what I knew was right. Could I do wrong just because you had done so?" Juan stood up and embraced Tuan. Both men were in tears and so were the others who stood by them. From that day, Juan changed himself. Within a year, he could produce much crops in his land through his hard work. When the others asked him how he had changed so much, he only replied, "It was the goodness and love of Tuan that transformed me." Question Which of the following is/are true about Tuan? I. He was a doctor along with being a farmer. II. He was a good natured and kind person. III. He was a wealthy farmer who gave away his wealth to the needy.

*Answer :* Only II

**Q.** It is perhaps no surprise that political parties are deeply divided over the idea of holding simultaneous elections for the Lok Sabha and the State Assemblies. During consultations initiated by the Law Commission of India, nine parties opposed it, arguing that it went against the constitutional fabric and that it would be impractical. Four parties backed the concept. Which of the following strengthens the case for simultaneous elections? I. A simultaneous poll, particularly in this era where news is easily and widely disseminated, will privilege national issues over regional ones even if, arguably, the reverse may happen too. II. Assemblies can be bunched into two categories based on whether their terms end close to the 2019 or the 2024 Lok Sabha elections and then elections could be held for one group in 2019, and for another in 2024 so that subsequent elections could be synchronised. III. Election expenditure will be drastically cut and ruling dispensations will be able to focus on legislation and governance rather than having to be in campaign mode forever.

*Answer :* Only III

**Q.** Find the missing term 3, 8, 24, 48, ?

*Answer :* 120

**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. Mark "No error" if there is no error in the sentence. (1) She wanted / (2) to spend / (3) her holiday / (4) in the Kirtin Island. 1

*Answer :* 4

**Q.** If  $(x/a) + (y/b) = 3$  and  $(x/b) - (y/a) = 9$ , then what is the value of  $x/y$ ?

*Answer :*  $(b + 3a) / (a - 3b)$

**Q.** Do X, Y, and Z stand in a straight line? Statement I: F is 2 km towards the south of E. K is 5 km towards the west of F. X is 2 km towards the north of F. Y is 3 km towards the east of E and Z is 4 km towards the east of Y. Statement II: X is 2 km towards the north of L. K is 4 km towards the west of L. S is 1 km towards the south of K. M is 2 km towards the west of S. Y is 3 km towards the north of M and Z is 2 km towards the north of W.

*Answer :* if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient in answer the question.

**Q.** In the figure how many small cubes will be such that each face of these cubes is surrounded by atleast one cube?

*Answer :* 8

**Q.** ABCD is a square, F is mid point of AB and E is a point on BC such that BE is one-third of BC. If area of FBE = 108 m<sup>2</sup>, then the length of AC is:

*Answer :  $36\sqrt{2}$  m*

**Q.** Shanaz has to go to the market. From her house which is in the North direction, she comes to the crossing. A road to her left goes to the park and direct straight is the office. In what direction is the market? North

*Answer :*

**Q.** These questions are based on the following information. P, Q and R when asked a question give three statements as reply in the following manner. P - Always replies in only one type of statements - truth or lie. Q - Never replies in the same type of statements as P. R - Is neither consistent in all his statement types nor alternates between the two types of statements. At the bus - stop, I asked: "Which bus goes to the airport?" Their replies were as follows: P: Take the North - bound bus. The next bus arrives in 15 minutes. It takes 45 minutes to reach the airport. Q: The north - bound bus comes from the airport. You have to wait for 20 minutes for the bus. It takes 30 minutes to reach the airport. R: Take the South - bound bus. You have to wait for another quarter of an hour for the bus. It takes anywhere between 1 hour to 1 hour 30 minutes to reach the airport. Which of the following represents the reply that R gave?

*Answer : Truth - Lie-Lie*

**Q.** In the questions given below a sentence is broken into four parts and the parts need to be rearranged to make the sentence meaningful again. Rearrange the parts and choose the correct option. P) Tesla has updated its panels to be about 10 percent more efficient, and has also lowered its prices. Q) The company also engineers, manufactures and installs solar panels – both the traditional kind and modules that look like ordinary roof tiles. R) And while the latter seems like it could be a path to more mainstream adoption of renewable energy, the former is still the go-to solution for the solar industry. S) Tesla doesn't just make cars.

*Answer : SQRP*

**Q.** Oat cereal has more fiber than corn cereal but less fiber than bran cereal. Corn cereal has more fiber than rice cereal but less fiber than wheat cereal. Of the three kinds of cereal, rice cereal has the least amount of fiber.

*Answer : true*

**Q.** Eesha bought two varieties of rice costing 50 Rs per kg and 60 Rs per kg and mixed them in some ratio. Then she sold that mixture at 70 Rs per kg making a profit of 20 % What was the ratio of the mixture?

*Answer : 1:5*

**Q. Direction (Q. 1-5)** The following bar graph shows the sales of cars of 2 different companies

in 5 different years. Total cars sold by the company “A” in the year 2012 and 2016 together is approximately what percentage of total cars sold by both the companies in the year 2013?

*Answer : 95%*

**Q. A merchant marks his goods up by 60% and then offers a discount on the marked price. If the final selling price after the discount results in the merchant making no profit or loss, what was the percentage discount offered by the merchant?**

*Answer : 37.5%*

**Q. Identify the figure that completes the pattern.**

*Answer : 4*

**Q. 8 coins are tossed simultaneously. What is the probability of getting at least 6 heads?**

*Answer :*

**Q. Sharad can cover a certain distance in 42 minutes. He covers two third of it at 4 km an hour and the remaining at 5 km an hour. The total distance is**

*Answer : 3 km*

**Q. Statements: Only a few marsh is moon Some moon is earth No earth is star Conclusions: I. Some marsh not being moon is a possibility II. Some moon is not star**

*Answer : Only conclusion II follows*

**Q. Common content Study the following information carefully and answer the given questions. Seven people A, B, C, D, E F and G are sitting in a circle. Five of them are facing the centre while two of them are facing opposite to the centre C sits third to the left of D and both are facing the centre. E is neither an immediate neighbour of D nor C. The one sitting exactly between D and F is facing opposite to centre. G sits third to the right of A and G is facing the centre. One of B's neighbour is facing opposite to the centre. Question Which of the following pairs represents persons facing opposite to the centre?**

*Answer : A and E*

**Q. There are ten members A, B, C, D, E, F, G, H, I and J in the family. There are three generations of the family. There is an equal number of male and female. A is the daughter – in – law of J.B's brother I have only one sister A. H and B are the married couple. H is the mother – in – law of C.G is the mother of B. D is the son in law of G. C is the sister of E. F is the only son of D. If B is the son in law of X. Then how is X related to C?**



*Answer* : Can't be determine

**Q.** Two bikers A and B start at same time and ride at 75 km/hr and 60 km/hr respectively towards each other. They meet after 20 minutes. How far (in km) were they from each other when they started?

*Answer* : 45

**Q.** The GM and AM of two numbers is 8 and 10. Find the two numbers ?

*Answer* : 4, 16

**Q.** If  $(2 \sin \theta - \cos \theta) / (\cos \theta + \sin \theta) = 1$ , then the value of  $\cot \theta$  is

*Answer* :  $1/2$

**Q.** MASTER: OCUVGT:: LABOUR:?

*Answer* : NCDQWT

**Q.** Consider a pack contains 4 blue, 2 red and 3 black pens. If a pen is drawn at random from the pack, replaced and the process repeated 2 more times, What is the probability of drawing 2 blue pens and 1 black pen?

*Answer* :  $16/243$

**Q.** Which of the following relation (s) is/are true? I.  $\sqrt{5} > 3\sqrt{9}$  II.  $3\sqrt{9} > \sqrt{5}$  III.  $\sqrt{5} = 3\sqrt{9}$

*Answer* : Only I

**Q.** Common content study the given chart and answer the questions Question If a candidate want to appear for the pre exam then what are the qualification for it?

*Answer* : All (1),(2) and (3).

**Q.** Common content Read the passage and answer the following questions: The ordinance repealing the archaic Air Corporation Act of 1953 marks a welcome end to the prevailing confusion on the open-sky policy. The Act had become redundant after the government allowed private air-taxi operators to compete with the public sector Indian Airlines and should have been struck off quite some time ago. The delay in repealing the Act created the anomalous situation that even while private companies had been allowed to operate; their legal status was in doubt as the Act provided for the monopoly of public sector in civil aviation. A case

contesting the legal status of private air operators is, in fact, in progress in the Calcutta High Court. This confusion was made worse by the ad hoc manner in which the ministry framed guidelines for private operators: they were not allowed to either publish their schedules or publicize their operations. A number of other discriminatory practices like adverse landing schedules had been thrust upon them by various airport authorities all over the country as they tended to favour Indian Airlines. With the repeal of the Act, private operators will now enjoy the legal status they deserve. They will also be able to better compete with Indian Airlines, as they will now be allowed to market themselves properly. This should allow both domestic and international travelers to seek better air travel options within the country. However, the repeal of the Act is just a part of a comprehensive policy needed for civil aviation. With the freedom of entry and operation must also come a proper regulatory regime to administer safety and other aspects. Proper guidelines must now be framed and a suitable authority to administer them put in place. The government must also seize the opportunity to restructure both-Indian Airlines and Air India. It is time that plans for disinvestment of government's stake in these public sector companies are implemented. The resources so raised can be deployed by these companies to modernize and revamp themselves and meet the emerging threat of competition. There are already reports that competition from private operators has forced Indian Airlines to provide better service to its customers. The advantages of an open-sky policy are, therefore, already visible. The IA unions may well oppose the repeal of the Act and plans for disinvestment. If they do that, it is plain they will be acting against the interests of the air traveler. Question The attitude of the Indian Airlines' employees towards the deregulation of the aviation sector can best be described as

*Answer : hostile*

**Q. A certain recipe calls for 3kgs of sugar for every 6 kgs of flour. If 60kgs of this sweet has to be prepared, how much sugar is required?**

*Answer : 20 kg*

**Q. The bank manager forms a secret 2 – digit code from the numbers 0 -9. But he set code as the first digit will not be 0 and the second number will not be even number. Then what are the possible ways to set the code?**

*Answer : 45*

**Q. Find the synonym of the following word Vigorously**

*Answer : actively*

**Q. If every month would have been of 30 days and 1st Jan 1 A.D was Monday, what day was on 1st March 2009?**

*Answer : Sunday*