



Chance to Win Scholarship Total Worth Up to ₹4 Crore*

Test Details Total Number of Questions: 40 Total Marks = 80 [2 Marks for Each Correct Answer] Negative Marking= No Syllabus= Class Syllabus

Eligibility Criteria : Students of Class X, XI, XII are eligible for Aptitude Test.

Result Announcement: All the qualified students will be notified via call, mail or message in the month of April 2024

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Questions

1. If AIRLINE is written as ENILRIA7,

then RAILWAY will be written as -

a. YAWLIAR7

b. YAWLIAR8

- c. YAWILAR7
- d. YAWILAR8

2. Which number should come next

in the series 1, 2, 3, 10, ____

- a. 79
- b. 99
- c. 89
- d. 98

3. The number comes next in the

series 12, 36, 109, 329, ... -

- a. 900
- b. 990
- c. 890
- d. None of the above

4. Insect: Disease:: War: ?

- a. Army
- b. Defeat
- c. Arsenal
- d. Destruction
- 5. A man walks 1km to east and then he turns to south and walks 5km. Again he turns to east and walks 2km. After this he turns to north and walks 9km. Now, how far is he from his starting point?
 - a. 3km
 - b. 4km
 - c. 5km
 - d. 7km

6. Find the missing character?

a. V	Α	D	G
b. X	D	I	N
d. Y	I	Ρ	?

7. Pointing at a photo, Dinesh said,

"His father is only son of my mother." The photo belongs to-

- a. Dinesh
- b. Dinesh's Brother
- c. Dinesh's Father
- d. Dinesh's Son

8. Five books labelled B, G, N, P and T are kept one above the other (Not necessarily in the same order). Only one book is kept between N and G. B is just above P. B is above N. G is not above N. Which book is at the top?

a. G
b. P
c. B
d. T

9. Select the set of numbers that is similar to the following set of numbers (3,15,123)?

a. (8,63,998)
b. (5,36,341)
c. (2,26,125)
d. (4,24,214)

10. 'Laziness' is related to 'Alertness' in the same way as 'Hostility' is related to '_____'?

- a. Pride
- b. Congeniality
- c. Violence
- d. Opposition

11. How many three-digit numbers can be generated using the digits1,4,6 and 9?

- a. 64 b. 16
- c. 24
- d. 12
- 12. If A gives half of his candles to B, then B will have 30% more candles than what he had earlier. What is the ratio of candles with A and B? a. 3:5
 - b. 4:2
 - c. 5:3
 - d. 5:4
- 13.Radha and Mohan can do a piece of work in 30 days and 25 days respectively. Radha started the work alone and then after 7 days, Mohan joined her till the completion of the work. How long did the work last?
 - a. 17.18 days
 - b. 20 days
 - c. 18.45 days
 - d. 17.45 days

14. A ship went on a voyage. After it had traveled 180 miles, a plane started with 10 times the speed of the ship. Find the distance(in miles) when they will meet from the starting point.

- a. 190 miles
- b. 180 miles
- c. 200 miles
- d. 280 miles









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a. 24

- b. 30
- c. 32
- d. 40
- 16. Select the letter cluster that can replace the question mark (?) in the following series: SOB, VRE, YUH, ? , EAN
 - a. BXK
 - b. AYK
 - c. AXK
 - d. BXL
- 17. Vikram has 12 shirts and 8 jeans. For how many consecutive days at the most can Vikram wear these clothes such that the same pair of shirts and jeans do not repeat together?
 - a. 72
 - b. 80
 - c. 96
 - d. 108

18. What was the day on 22nd July 1992?

- a. Tuesday
- b. Wednesday
- c. Thursday
- d. Friday
- 19. Mrs. Susheela celebrated her wedding anniversary on Tuesday, 30th September 1997. When will she celebrate her next wedding anniversary on the same day?
 - a. 30th September 2003
 - b. 30th September 2004
 - c. 30th September 2002
 - d. 30th September 2001
- 20. Which of the following set of letters will complete the following series:
 - ab_a_bab_a_bab_aab
 - a. b, a, a, b b
 - b. a, b, b, b b
 - c. a, a, b, ba
 - d. b, a, b, a, b
- 21. In the following number series, only one number is wrong. Find out the wrong number. 214, 108, 56, 30, 19.5
 - a. 108
 - b. 56
 - c. 30
 - d. 19.5

- 22. The sum of the digits of a 2-digit number is 7. When the number is reversed, the obtained number is 45 more than the original number. Find the product of the digits of the number. a. 6
 - b. 8
 - c. 12
 - d. 10
- 23. Which of the set following characters in the same sequence are the missing characters in the series given below: zx_yz_XZ_
 - а. ухухху
 - b. yzyxxy
 - с. ухуzху
 - d. yxyxzy
- 24. 15 men and 20 women can do a piece of work in 40 days. In how many days can 15 women and 20 men do the same piece of work?
 - a. 40 days
 - b. More than 40 days
 - c. Less than 40 days
 - d. Data is inadequate to draw any conclusion
- 25. The average number of runs scored by Rohit in 5 matches is 73; if he scores 67 runs in the 6th match, find the overall average.
 - a. 70
 - b. 71
 - c. 72
 - d. 73
- 26. The ratio of two numbers is 8: 9. The sum of these two numbers is 1020. Find the difference between the numbers.
 - a. 30
 - b. 40
 - c. 50
 - d. 60

27. Naveen bought one-third of the mangoes at Rs.
14 per piece and the remaining at Rs. 18 per piece.
He sells everything at a price of Rs. 20 per piece, the

- a. Naveen made a profit of exactly 10%
- b. Naveen made a profit of more than 20%
- c. Naveen made a profit of exactly 20%
- d. Naveen made a profit of exactly 25%
- 28. The difference between the ages of the father and his son is 25. The ratio of their ages after 5 years is2: 1. Find the current age of the son.
 - a. 20 years
 - b. 25 years
 - c. 30 years
 - d. 35 years









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ROUGH WORK



29. Sundar can finish a piece of work in 10 hours, and he can finish it in 6 hours with Jessie's help. Find the time taken by Jessie to complete the work if she works alone.

a. 10 days

- b. 12 days
- c. 14 days
- d. 15 days
- 30. In a class of 90 students, 35% the number of girls is equal to 55% of the number of boys. Find the number of boys in the class.
 - a. 25
 - b. 35
 - c. 45
 - d. 55
- 31. How many kilograms of rice that costs Rs. 45 must be mixed with 6 kg of rice that costs Rs. 52 to get a mixture of rice that is worth Rs.48.
 - a. 6
 - b. 7
 - c. 8
 - d. 9
- 32. A ban on advertising for tobacco and alcohol has been imposed recently as activists argued that advertising such harmful and addictive products encourages smoking and drinking among youngsters who are more susceptible to the influence of advertising. However, opponents of the ban argue that in many countries which have a blanket ban on advertising for tobacco and alcohol, smoking and drinking among youngsters is as widespread as it is in countries where there is no such ban.

Which of the following conclusions follows from the information above?

a. Advertising cannot be the only factor that is responsible for the prevalence of smoking and drinking.

b. Advertising is blameless in the prevalence of smoking and drinking among youngsters.

c. Banning advertising of tobacco and alcohol is pointless.

d. There is a difference between tobacco use, and alcohol and advertising might affect one or the other, not both.

33. China's government doubled down on its controversial zero-COVID strategy amid unprecedented protests against lockdowns in many Chinese cities. The weekend's protests in Beijing and Shanghai were not repeated on Monday amid a high security presence in both cities. Some universities in the Chinese capital, such as Tsinghua University, that saw students come out and protest over the weekend have made plans to send students home early for the winter break, apparently to prevent further gatherings.

Which of the following assumptions is not implicit in the argument above?

a. Protests in China are not a usual occurrence. b. The presence of security personnel deters protests.

c. Sending students on an early break might prevent protests.

d. The Chinese government will yield to the demands of the students.

34. Hawaii's Mauna Loa, the largest active volcano in the world, has erupted for the first time in nearly 40 years, the U.S. authorities said, as emergency crews went on alert early Monday. Flows of lava remained 'contained' within the summit caldera of Mauna Loa, but the eruption could pose a threat to nearby residents should conditions change, the United States Geological Survey (USGS) reported at 11:45 p.m. local time Sunday some 15 minutes after the eruption inside Hawaii Volcanoes National Park.

Which of the following is an assumption in the above argument?

a. Mauna Loa was not expected to erupt because of its dormancy in the last 40 years.

b. The emergency crew got the information about the eruption after the geological survey team reported it.

c. Conditions in the volcano could change and endanger the lives of nearby residents.

d. The residents in the vicinity of the volcano should be evacuated to minimise damage to life and property.













35. Russia postponed nuclear weapons talks with the United States set to take place this week in Cairo, the U.S. State Department said. Neither side gave a reason for the postponement. The New START Treaty, which came into force in 2011, caps the number of strategic nuclear warheads that the United States and Russia can deploy and the deployment of land- and submarine-based missiles and bombers to deliver them. Russian Deputy Foreign Minister Sergei Ryabkov had played down expectations of a breakthrough, although the talks were a sign that both sides at least wanted to maintain dialogue, even though their relations are at the lowest level since the Cold War.

Which of the following can be assumed from the given information?

a. Cairo was hopeful of the success of the talks.b. The Russian Foreign Minister knew beforehand that the talks would be postponed.

c. The relations between Russia and the USA were good before the Cold War.

d. Countries that do not have good relations are not expected to maintain dialogue on such issues.

36. Both the furniture manufacturer Wood Ladder and the hotel chain Alpesia are owned by the Kingdom group. 33% of the group's investments and 45% of the group's revenue are generated by the hotel segment. For 40% of the group's investment and 45% of its profit, the furniture company is responsible. The remaining capital and profit come from other small enterprises. For the last seven years, the divisions within the business have performed well.

Which of the following can be inferred from the above passage?

a. Thanks to the group's lucrative hotel and furniture businesses, profits have been consistent over the last seven years.
b. Instead of focusing on only two areas, the group should expand into other businesses, as this can improve profits.
c. In comparison to the hotel chain Alpesia,

the furniture manufacturer Wood Ladder produces a lower average return on investment. d. As the country's tourism industry continues to grow significantly, the hotel industry will continue to expand. 37. Every month, consumers who are frugal, especially married people, shop at the store. They save money and have a month's worth of supplies of necessities when they buy in bulk. Customers who wish to purchase goods in bulk to meet their needs, particularly students and the working population who are single and live alone, choose retail outlets.

Which of the following can be inferred from the given passage?

a. Supermarkets can offer more variety of products than regular retail outlets for people who buy in bulk, thus lowering the overall cost.
b. Students and singles who live alone prefer the convenience of buying any quantity to meet their limited needs rather than buying in bulk for offers and end up wasting the products.
c. Supermarkets are located near residential areas and have customer loyalty programs.
d. The emergence of supermarkets has caused many small retail stores to close down, and thus eliminate competition.

38. With the belief that nations who trade with one another are more likely to avoid going to war with one another, the European Union was founded after World War II to promote economic cooperation. Despite the fact that there are presently 28 European nations in the EU, the UK is about to depart after a referendum was held in the nation to choose whether it should leave or remain in the EU.

Which of the following inference can be drawn from the given paragraph?

a. The EU is in charge of putting an end to wars between various European nations.

b. In the UK's referendum on whether to leave or stay in the EU, the majority of British citizens chose 'leave'.

c. The EU prohibits internal war between its member nations.

d. The majority of British citizens have expressed dissatisfaction over the UK's decision to leave the EU.

ROUGH WORK













EXTENDED COUNSELLING SUPPORT 39. The citizens of Miyoto city were the victims of atomic bombing during the World War II. A study conducted among them shows that the majority of them suffer from physical deformities even now, over 70 years after that dreadful day. The bombing also reduced the average life span of Miyoto citizens to well below fifty and rendered the land uncultivable.

Which of the following can be inferred from the passage?

a. Atomic radiation causes more deaths than physical deformities.

b. The only proof that shows Miyoto was ever hit by atomic bomb is its uncultivable land.

c. Atomic radiation causes physical deformities even in the future generations of an affected person and can render the land uncultivable.

d. It takes nearly 70 years for the harmful effect of bombing to set in.

40. Social media has helped many elderly people connect with their old friends. It has also provided them access to content of their interest, which helps them spend their time meaningfully. Further, many elderly have become content creators, thus giving an outlet to their creativity. However, it has also resulted in absent-mindedness among them. Many of them remain glued to their screens at the expense of physical activity. It has also fuelled the spreading of fake news as the elderly are more vulnerable to it and more likely to share it.

Which of the following can be most reasonably concluded from the argument?

a. Social media has been a blessing in disguise for the elderly.

b. Social media has been more disadvantageous than beneficial for the elderly.

c. Social media may have benefitted more than harmed the elderly.

d. Social media may be called a double edged sword for the elderly.

ROUGH WORK



5 TWO WHEELER









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