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Result for "Pre-Mock Test - III"

Taken on : Nov 18, 2021 03:32 pm

Analytical: 63% (5/8)

Mathematics: 31% (4/13)

Marks Obtained	6
Correct Answer	9
Wrong Answer	12

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MCQ QUESTIONS FOLLOW UP

Instructions: Solve each of the following problems and mark the correct answer on your Answer Sheet. **DO NOT USE A CALCULATOR.** Figures are not drawn to scale.

1. When a student weighing 50 kgs left a class, the average weight of the remaining 49 students increased by 300 g. What is the average weight of the remaining 49 students?

[Mathematics](#)
Your answer : [SKIPPED](#)
 A. 65

 B. 64.8

 C. 66.8

 D. 66.2

 E. None of these

2. Abir, Sadib and Tazul enter into a partnership with capitals in the ratio 3:2:1 After 4 months, Abir leaves the business and after 4 more months Sadib also leaves the business and Tazul continues till the end of the year. If Tazul takes 10% of the profit for managing the business, then what part of the profit does Tazul get?

Mathematics

Your answer : **WRONG**

- A. 37%
- B. 36%
- C. 27%
- D. 30%
- E. None of these **×**

3. The marked price of a shirt and trousers are in the ratio 1:2. The shopkeeper gives 40% discount on the shirt. If the total discount in the set of the shirt and trousers is 30%, the discount offered on the trousers is:

Mathematics

Your answer : **CORRECT**

- A. 15%
- B. 20%
- C. 25% **👍**
- D. 30%
- E. None of these

4. A bath can be filled by the cold water pipe in 10 min and by hot water pipe in 15 min (independently each). A person leaves the bathroom after turning on both pipes simultaneously and returns at the moments when the bath should be full. Finding, however, that the waste pipe has been open he now closes it. In 4 min more, bath is full. In what time would be the waste pipe empty it?

Mathematics

Your answer : **WRONG**

- A. 9 min
- B. 12 min **×**
- C. 15 min
- D. 14 min

E. None of these

5. Banna walks to and fro to a shopping mall. He spends 30 minutes shopping. If he walks at speed of 10 km an hour, he returns to home at 19.00 hours. If he walks at 15 km an hour, he returns to home at 18.30 hours. How fast must he walk in order to return at 18.15 hours?

Mathematics

Your answer : **WRONG**

A. 17 km/hr

B. 18 km/hr **×**

C. 19 km/hr

D. 20 km/hr

E. None of these

6. When 242 is divided by a certain divisor the remainder obtained is 8. When 698 is divided by the same divisor the remainder obtained is 9. However, when the sum of the two numbers 242 and 698 is divided by the divisor, the remainder obtained is 4. What is the value of the divisor?

Mathematics

Your answer : **SKIPPED**

A. 11

B. 17

C. 13

D. 23

E. None of these

7. The price of commodity X increases by 40 cent every year, while the price of commodity Y increases by 15 cent every year. If in 2001, the price of commodity X was \$4.20 and that of Y was \$6.30, in which year commodity X will cost 40 cent more than the commodity Y?

Mathematics

Your answer : **WRONG**

A. 2010 **×**

B. 2011

- C. 2012
- D. 2013
- E. None of these

8. Asif borrows Tk. 1500 from two moneylenders. He pays interest at the rate of 12% per annum for one loan and at the rate of 14% per annum for the other. The total interest he pays for the entire year is Tk. 186. How much does he borrow at the rate of 12%

Mathematics

Your answer : **CORRECT**

A. Tk. 1200 

- B. Tk.1300
- C. Tk. 1400
- D. Tk. 300
- E. None of these

9. There is a group of persons each of whom can complete a piece of work in 16 days, when they are working individually. On the first day one person works, on the second day another person joins him, on the third day one more person joins them and this process continues till the work is completed. How many days are needed to complete the work?

Mathematics

Your answer : **SKIPPED**

- A. 3 1/4 days
- B. 4 1/3 days
- C. 5 1/6 days
- D. 6 1/5 days
- E. None of these

10. If $x > y$ and $x < 0$, then which of the following must be true?

(I) $1/x < 1/y$ (II) $1/(x-1) < 1/(y-1)$ (III) $1/(x+1) < 1/(y+1)$

Mathematics

Your answer : **WRONG**

A. I only

B. II only

C. III only

D. I and II only

E. I and III only ✘

11. 30% of the men are more than 25 years old and 80% of the men are less than or equal to 50 years old. 20% of all men play football. If 20% of the men above the age of 50 play football, what percentage of the football players are less than or equal to 50 years?

Mathematics

Your answer : **WRONG**

A. 15%

B. 20%

C. 80%

D. 70%

E. None of these ✘

12. A shopkeeper sells sugar in such a way that the selling price of 950g of sugar is the same as the cost price of 1 kg of sugar. What is his gain percent?

Mathematics

Your answer : **CORRECT**

A. $\frac{100}{19}$ 👍

B. $\frac{26}{5}$

C. 5

D. $\frac{77}{19}$

E. None of these

13. Ashiq does a work in 90 days, Banna in 40 days and Choto in 12 days. They work one after another for a day each, starting with Ashiq followed by Banna and then by Choto. If the total wages received are Tk. 360 and Ashiq, Banna, Choto share them in the ratio of the work done, find their respective individual wages.

Mathematics

Your answer : SKIPPED

A. Tk. 40, Tk. 60 and Tk. 260

B. Tk. 36, Tk. 81 and Tk. 243

C. Tk. 42, Tk. 86 and Tk. 232

D. Tk. 38, Tk. 88 and Tk. 234

E. None of these

14. A dishonest dealer marks up the price of his goods by 20% and gives a discount of 10% to the customer. He also uses a 900 gram weight instead of a 1 kilogram weight. Find his percentage profit due to these maneuvers?

Mathematics

Your answer : SKIPPED

A. 8%

B. 12%

C. 20%

D. 16%

E. None of these

15. My brother is 3 years elder to me. My father was 28 years of age when my sister was born while my mother was 26 years of age when I was born. If my sister was 4 years of age when my brother was born, then, what was the age of my father and mother respectively when my brother was born ?

Mathematics

Your answer : SKIPPED

A. 32 yrs, 23 yrs

B. 32 yrs, 29 yrs

C. 35 yrs, 29 yrs

D. 35 yrs, 33 yrs

E. None of these

16. A bus without stopping travels at an average speed of 60 km/hr and with stoppages at an average speed of 40 km/hr. What is the total time taken by the bus for stoppages on a route of length 300km?

Mathematics

Your answer : **WRONG** A. 4 hr B. 3 hr C. 2.5 hr D. 3.5 hr E. None of these ✖

17. If $x < y < 0$, which of the following inequalities must be true?

Mathematics

Your answer : **WRONG** A. $y+1 < x$ B. $y-1 < x$ ✖ C. $xy^2 < x$ D. $xy < y^2$ E. $xy < x^2$

18. If $7 < m < 11$ and $-2 < n < 5$, then which of the following expresses the possible values of mn ?

Mathematics

Your answer : **WRONG** A. $-14 < mn < 35$ B. $-14 < mn < 55$ ✖ C. $-22 < mn < 35$ D. $-22 < mn < 55$ E. $5 < mn < 16$

19. If $-2 < a < 11$ and $3 < b < 12$, then which of the following is NOT always true?

Mathematics

Your answer: **CORRECT**

A. $1 < a + b < 23$

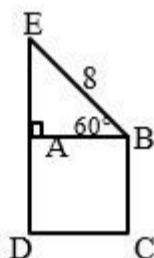
B. $-14 < a - b < 8$

C. $-7 < b - a < 14$ 👍

D. $1 < b + a < 23$

E. $-24 < a b < 132$

20. In the figure right, what is the area of square ABCD?



Mathematics

Your answer: **SKIPPED**

A. 16

B. 32

C. 48

D. $16\sqrt{3}$

E. 8

Directions: Solve each of the following problems & mark the correct answer on your Answer Sheet.

Questions 21 to 25 are based on the following situation:

AM, JRZ, NAH, KJS, IA and GMC are six teachers of IBA who sit in adjacent rooms, numbered 1 to 6. The rooms have been allocated as per the following conditions:

- NAH's room number must be lower than that of KJS's room.
- AM must have room adjacent to that of JRZ.
- IA must have room number 5.

21. Which of the following is a possible room allocation, serially from 1 to 6?

Analytical

Your answer : **WRONG**

- (A) IA, GMC, JRZ, AM, NAH, KJS
- (B) JRZ, IA, NAH, AM, KJS, GMC
- (C) JRZ, AM, NAH, GMC, IA, KJS
- (D) KJS, GMC, AM, JRZ, IA, NAH ✘
- (E) AM, NAH, JRZ, GMC, IA, KJS

22. If JRZ has room number 4, AM must have room number

Analytical

Your answer : **CORRECT**

- (A) 1
- (B) 2
- (C) 3 👍
- (D) 5
- (E) 6

23. Which of the following could have room number 6?

Analytical

Your answer : **CORRECT**

- (A) GMC 👍
- (B) JRZ
- (C) NAH
- (D) AM
- (E) IA

24. Which of the following must be true?

Analytical

Your answer : **SKIPPED**

- (A) IA's room number is lower than that of GMC's
- (B) KJS's room number is lower than that of IA's
- (C) NAH's room number is lower than that of IA's
- (D) NAH's room number is lower than that of AM's
- (E) AM's room number is lower than that of GMC's

25. If KJS has room number 2, which of the following pairs could have adjacent rooms?

Analytical

Your answer : **WRONG**

- (A) IA, JRZ
- (B) IA, NAH **×**
- (C) KJS, GMC
- (D) NAH, AM
- (E) AM, GMC

Questions 26 to 28 are based on the following sentence:


A teacher is trying to assign seats to six students – Nourin, Papeeya, Quamrul, Ruhul, Sultana and Tahsan. A classroom has eight seats, arranged in 4 rows of 2 seats each. Seat assignments must be made according to the following conditions:

- Nourin must sit alone in a row.
- Papeeya must sit in the same row as Ruhul.
- Quamrul cannot sit in the same row as Sultana.
- The rows with only one student must be row 1 and row 3.

26. Which of the following students can be assigned to sit in the same row as Quamrul?

Analytical


Your answer : CORRECT

- (A) Nourin
- (B) Papeeya
- (C) Ruhul
- (D) Sultana
- (E) Tahsan 

27. If Papeeya and Ruhul are in row 2, which of the following must be true?

Analytical


Your answer : WRONG

- (A) Nourin is in row 1
- (B) Quamrul is in row 1
- (C) Quamrul is in row 4 
- (D) Sultana is in row 3
- (E) Tahsan is in row 4

28. The number of students eligible to sit in the same row as Tahsan is

Analytical

Your answer : CORRECT

- (A) 1
- (B) 2 
- (C) 3
- (D) 4
- (E) 5

Questions 29 to 32 are based on the following situation.


A student has to select three subjects from six courses – K501, O203, S104, T503, V602 and W403 – as per the following rules:

- A student must choose at least one of the courses K501 and S104.
- A student must select either O203 or V602.
- S104 cannot be selected with O203.

29. Which of the following is an acceptable selection of subjects?

Analytical

Your answer : **CORRECT**

- (A) K501, O203, and S104
- (B) K501, S104, and T503
- (C) K501 S104, and V602 
- (D) O203, S104, and V602
- (E) O203, T503, and V602

30. Which of the following pairs of subjects CANNOT be selected?

Analytical

Your answer : **SKIPPED**

- (A) K501 and O203
- (B) K501 and T503
- (C) O203 and W403
- (D) T503 and W403
- (E) V602 and W403

31. If S104 is selected, which of the following must also be selected?

Analytical

Your answer : **SKIPPED**

- (A) K501
- (B) O203

(C) T503 (D) V602 (E) W403

32. If V602 is NOT selected, which of the following pair of subjects must be selected?

Analytical

Your answer : **SKIPPED**

 (A) K501 and O03 (B) K501 and T503 (C) K501 and W403 (D) O203 and T503 (E) O203 and W403

Questions 33 to 34 are based on the following situation:

A worker has to do five jobs in five consecutive days beginning on Monday. The jobs are: J, K, L, M, and N. The jobs must be done as per the following rules:

- Each job takes exactly one day to complete
- K must be done before M and N.
- L cannot be done on a Tuesday.
- M must be the done one day after J is done.

33. If M is done of Friday, which of the following must be true?

Analytical

Your answer : **SKIPPED**

 (A) J is done on Wednesday. (B) K is done on Tuesday. (C) L is done on Monday. (D) L is done on Thursday.

(E) N is done on Thursday

34. On which of the following days can any of the five jobs be done?

Analytical

Your answer : **SKIPPED**

(A) Monday

(B) Tuesday

(C) Wednesday

(D) Thursday

(E) Friday

Question 35 is based on the following situation:

People from Island A always speak the truth.

People from Island B always lie.

People from Island C sometimes speak the truth, sometimes lie.

X said he is not from Island C.

Y said he is not from Island B.

Z said he is not from Island A.

35. Which of the following is true?

Analytical

Your answer : **SKIPPED**

(A) X is from island A. Y is from island C. Z is from island B.

(B) X is from island C. Y is from island A. Z is from island B.

(C) X is from island B. Y is from island A. Z is from island C.

(D) X is from island A. Y is from island B. Z is from island C.

(E) None of these

36. Insurance Company X is considering issuing a new policy to cover services required by elderly people who suffer from diseases that afflict the elderly. Premiums for the policy must be low enough to attract customers. Therefore, Company X is concerned that the income from the policies would not be sufficient to pay for the claims that would be made. Which of the following strategies would be most likely to minimize Company X's losses on the policies?

Analytical

Your answer : SKIPPED

- (A) Attracting middle-aged customers unlikely to submit claims for benefits for many years.
- (B) Insuring only those individuals who did not suffer any serious diseases as children
- (C) Including a greater number of services in the policy than are included in other policies of lower cost
- (D) Insuring only those individuals who were rejected by other companies for similar policies
- (E) Insuring only those individuals who are wealthy enough to pay for the medical services

37. The fewer restrictions there are on the advertising of legal services, the more lawyers there are who advertise their services, and the lawyers who advertise a specific service usually charge less for that service than lawyers who do not advertise. Therefore, if the state removes any of its current restrictions, such as the one against advertisements that do not specify fee arrangements, overall consumer legal costs will be lower than if the state retains its current restrictions.

Which of the following, if true, would most seriously weaken the argument concerning overall consumer legal costs?

Analytical

Your answer : SKIPPED

- A. The state has recently removed some other restrictions that had limited the advertising of legal services.
- B. The state is unlikely to remove all of the restrictions that apply solely to the advertising of legal services.
- C. Lawyers who do not advertise generally provide legal services of the same quality as those provided by lawyers who do advertise.
- D. Most lawyers who now specify fee arrangements in their advertisements would continue to do so even if the specification were not required.
- E. Most lawyers who advertise specific services do not lower their fees for those services when they begin to advertise.

38. During the Second World War, about 375,000 civilians died in the United States and about 408,000 members of the United States armed forces died overseas. On the basis of those figures, it can be concluded that it was not much more dangerous to be overseas in the armed forces during the Second World War than it was to stay at home as a civilian.

Which of the following would reveal most clearly the absurdity of the conclusion drawn above?

Analytical

Your answer : SKIPPED

- A. Counting deaths among members of the armed forces who served in the United State in addition to deaths among members of the armed forces serving overseas
- B. Expressing the difference between the numbers of deaths among civilians and members of the armed forces as a percentage of the total number of deaths
- C. Separating deaths caused by accidents during service in the armed forces from deaths caused by combat injuries
- D. Comparing death rates per thousand members of each group rather than comparing total numbers of deaths
- E. Comparing deaths caused by accidents in the United States to deaths caused by combat in the armed forces

39. Which of the following best completes the passage below?

People buy prestige when they buy a premium product. They want to be associated with something special. Mass-marketing techniques and price-reduction strategies should not be used because_____.

Analytical

Your answer : SKIPPED

- A. affluent purchasers currently represent a shrinking portion of the population of all purchasers
- B. continued sales depend directly on the maintenance of an aura of exclusivity
- C. purchasers of premium products are concerned with the quality as well as with the price of the products
- D. expansion of the market niche to include a broader spectrum of consumers will increase profits
- E. manufacturing a premium brand is not necessarily more costly than manufacturing a standard brand of the same product

40. If there is an oil-supply disruption resulting in higher international oil prices, domestic oil prices in open-market countries such as the United States will rise as well, whether such countries import all or none of their oil. Which of the following conclusions is best supported by the statement in the passage?

Analytical

Your answer : SKIPPED

- A. Domestic producers of oil in open-market countries are excluded from the international oil market when there is a disruption in the international oil supply.
- B. International oil-supply disruptions have little, if any, effect on the price of domestic oil as long as an open-market country has domestic supplies capable of meeting domestic demand.

C. The oil market in an open-market country is actually part of the international oil market, even if most of that country's domestic oil is usually sold to consumers within its borders.

D. Open-market countries that export little or none of their oil can maintain stable domestic oil prices even when international oil prices rise sharply.

E. If international oil prices rise, domestic distributors of oil in open-market countries will begin to import more oil than they export.

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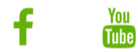
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