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Result for "Pre-Mock Test - I"

Taken on : Nov 10, 2021 10:03 am

Mathematics: 47%

(9/19)

Verbal: 60%

(12/20)

Marks Obtained	16.5
Correct Answer	21
Wrong Answer	18

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[MCQ Module](#)

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. x , y , and z are consecutive positive integers such that $x < y < z$; which of the following must be true?
 I. xyz is divisible by 6 II. $(z - x)(y - x + 1) = 4$ III. xy is odd

Mathematics

Your answer : **WRONG**

A. I only

B. II only **x**

C. III only


D. I & II only

E. II & III only

2. $(441+442+443)$ is divisible by-

Mathematics


Your answer : **CORRECT**

- A. 7
- B. 13 
- C. 15
- D. 17
- E. None of these

3. What is the average of all of the integers from 13 to 37?

Mathematics

Your answer : **CORRECT**

- A. 24
- B. 25 
- C. 25.5
- D. 26
- E. None of these

4. How many positive integers less than 28 are prime numbers, odd multiples of 5, or the sum of a positive multiple of 2 and a positive multiple of 4.

Mathematics

Your answer : **SKIPPED**

- A. 27
- B. 25
- C. 24
- D. 22
- E. 23

5. What is the greatest prime factor of: $4^{17} - 2^{28}$

Mathematics

Your answer: **WRONG**

A. 2

B. 3 ✘

C. 5

D. 7

E. 11

6. What is the smallest integer that satisfies the inequality $(x-3)/(x^2-8x-20) > 0$?

Mathematics

Your answer: **WRONG**

A. -2

B. 10 ✘

C. 3

D. -1

E. 0

7. Which of the following statement is false?

Mathematics

Your answer: **WRONG**

A. In the fraction $1/2$, one is the numerator

B. When 4.89 is rounded to the ones place; the answer is 5 ✘

C. Ten thousandths place is located 4 place to the right of the decimal

D. $(100/3)\%$ is equivalent to $1/3$

E. All are correct

8. Which of the following is a prime number?

Mathematics

Your answer : CORRECT

 A. 329 B. 327 C. 483 D. 343 E. 331 

9. Express the repeating decimal $.1405405405405405\dots$

Mathematics

Your answer : SKIPPED

 A. $26/183$ B. $27/185$ C. $26/185$ D. $25/183$ E. $26/183$

10. In a class of 30 students, 2 students did not borrow any books from the library, 12 students borrowed 1 book, 10 students each borrowed 2 books, and the rest of the students each borrowed at least 3 books. If the average number of books borrowed per student was 2, what is the maximum number of books that any student could have borrowed?

Mathematics

Your answer : CORRECT

 A. 3 B. 5 C. 8 D. 13  E. 15

11. The average of the weight of 10 vehicles is 12 tons. The average weight of the group of vehicles increased by 2.4 tons after a new heavy-duty truck was added to the group. What is the weight of the heavy duty truck in tons?

Mathematics

Your answer : CORRECT

 A. 35 B. 38.4  C. 40.2 D. 41.4 E. 42

12. If the sum of 3 consecutive integers is 54, then what is the product of the smallest and largest of these integers?

Mathematics

Your answer : CORRECT

 A. 280 B. 292 C. 312 D. 320 E. 323 

13. If M is the Least Common Multiple of 90, 196 and 300, which of the following is NOT a factor of M?

Mathematics

Your answer : SKIPPED

 A. 600 B. 700 C. 900 D. 2100 E. 4900

14. If both $(11)^2$ and 3^3 are factors of the number $a^4 \cdot 3^6 \cdot 13^{11}$, then what is the smallest possible value of a?

Mathematics

Your answer : SKIPPED

 A. 121 B. 242 C. 363 D. 484 E. 505

15. For what value of m will the quadratic equation $x^2 - mx + 4 = 0$ have real and equal roots?

Mathematics

Your answer : SKIPPED

 A. 16 B. 8 C. 2 D. -4 E. 2

16. If $x + \frac{1}{x} = 2$, what is the value of $\frac{x}{x^2 + x - 1}$?

Mathematics

Your answer : CORRECT

 A. $\frac{1}{4}$ B. $\frac{1}{5}$ C. $\frac{3}{4}$ D. 1  E. None of these

17. If x is a positive integer and $y > -2$, which of the following must be positive?

Mathematics

Your answer : WRONG

A. $3x+4y$

B. $(x+y)/y$

C. $(2x+y)/(x-y)$ ✖

D. xy

E. None of these

18. If $x/a+a/b=4$, what is the value of x ?

Mathematics

Your answer : **WRONG**

A. $-a^2/b+4a$

B. $a^2/b-2b$

C. $a^2 b-4$

D. $a+b$

E. None of these ✖

19. If $x \geq 8$ and $y \leq 3$, then which of the following must be true?

Mathematics

Your answer : **WRONG**

A. $x/y=5$

B. $x+y \leq 11$

C. $x-y \geq 5$

D. $xy \leq 24$

E. None of these ✖

20. $(10^2(10^8+10^8))/10^4=?$

Mathematics

Your answer : **SKIPPED**

A. 10^{14}

B. 2^{106}

C. 10^8

D. 2^{108}

E. None of these

21. If $1 \leq x \leq 3$ and $2 \leq y \leq 4$ then which of the following must be true?

Mathematics

Your answer: **WRONG**

A. $xy \geq 5$

B. $xy \leq 12$

C. $xy = 12$

D. $xy > 3$ ✘

E. None of these

22. $(\sqrt{3} - 2)(\sqrt{3} + 2) = ?$

Mathematics

Your answer: **CORRECT**

A. $\sqrt{3} - 4$

B. $\sqrt{6} - 4$

C. -1 👍

D. 1

E. None of these

23. Which of the following is greater than $\frac{2}{3}$?

Mathematics

Your answer : **WRONG**

- A. 13/21
- B. 16/25
- C. 7/11 ✘
- D. 5/7
- E. None of these

24. if $2n=n^2$, then which of the following must be true?

Mathematics

Your answer : **WRONG**

- A. 0
- B. $n=2$ ✘
- C. n can be any even number
- D. n should be a multiple of 2
- E. None of these

25. What is $0.04 \times (0.03)^2$ in terms of percent?

Mathematics

Your answer : **WRONG**

- A. 0.0036
- B. 0.036
- C. 0.36
- D. 0.00036
- E. 0.000036 ✘

Questions 26 to 30 are based on the following instruction:

Instructions: The sentences below contain errors in grammar, usage and idiom. Parts of each sentence are underlined & lettered. Decide which underlined part contains error. If the sentences is correct as it stands, mark (E) on your Answer Sheet. No sentence contains more than one error.

26. Commercially (A) honey is heated and filtered (B) in order to stabilize (C) and clarify it (D). No Error (E).

Verbal

Your answer : CORRECT

 A  B C D E

27. The various (A) parts of the body require so (B) different surgical (C) skills that many (D) surgical specialties have developed. No Error (E).

Verbal

Your answer : WRONG

 A B C D  E

28. The wood (A) of the rosewood tree is used (B) to do (C) fine musical (D) instruments. No Error (E).

Verbal

Your answer : WRONG

 A B  C D E

Clearly, *Modern Times* has its faults, but it remains the best film treating technology within a social context. It does not offer a radical social message, but it does accurately reflect the sentiments of many who feel they are victims of an over-mechanized World.

31. The author's main purpose in writing this passage is to

Verbal

Your answer : SKIPPED

- A. criticize the factory system of the 1930's
- B. analyze an important film
- C. explain Chaplin's style of acting
- D. discuss how film reveals the benefits of technology
- E. None of these

32. According to the passage, Chaplin got the idea for the film *Modern Times* from

Verbal

Your answer : SKIPPED

- A. a newspaper article
- B. a scene in a movie
- C. a job he had once held
- D. a conversation with a reporter
- E. None of these

33. It can be inferred from the passage that two-thirds of the film *Modern Times*

Verbal

Your answer : SKIPPED

- A. is completely unforgettable
- B. takes place outside a factory
- C. is more critical than the other third
- D. entertains the audience more than the other third
- E. None of these

34. According to the passage, the purpose of the scene involving the feeding machine is to show People's

Verbal

Your answer : SKIPPED

- A. ingenuity
- B. adaptability
- C. helplessness
- D. independence
- E. None of these

35. The author would probably be LEAST likely to use which of the following words to describe the film Modern Times?

Verbal

Your answer : SKIPPED

- A. Revolutionary
- B. Entertaining
- C. Memorable
- D. Satirical
- E. None of these

Instructions: Choose the best idiom for the following questions 36 to 40

36. It was a _____ between two candidates. I think both were worth to become a mayor.

Verbal

Your answer : CORRECT

- A. a hot potato
- B. a slap on the wrist
- C. a dime a dozen
- D. a toss-up 👍
- E. None of these

37. Ben got _____ when they had finally found a real murderer.

Verbal

Your answer : CORRECT

A. off the record

B. over the top

C. off the hook 👍

D. on the fence

E. None of these

38. He missed the bus and it was _____. That bus got into an accident.

Verbal

Your answer : CORRECT

A. a blessing in disguise 👍

B. a cock and bull story

C. a toss-up

D. a hot potato

E. None of these

39. They gave me another two days off. That's _____!

Verbal

Your answer : CORRECT

A. the Ivy League

B. icing on the cake 👍

C. a cock and bull story


D. a toss-up

E. None of these

40. Our plan didn't work. We need to _____.

Verbal

Your answer : CORRECT

- A. hit the nail on the head
- B. go to hell in a hand basket
- C. beat around the bush
- D. go back to the drawing board 
- E. None of these


Questions 41 to 45 are based on the following instruction:

Instructions: In each of the following sentences, part or all of the sentence is underlined. The answer-choices offer five ways of phrasing the underlined part. If you think the sentence as written is better than the alternatives, choose A, which merely repeats the underlined part; otherwise choose one of the alternatives.

41. The origins of most sports is unknown.

Verbal


Your answer : WRONG

- A. sports is unknown
- B. sports have been unknown
- C. sports are unknown
- D. sports has been unknown 
- E. sports are now unknown

42. There are now many kinds of dictionaries, such as a dictionary of synonyms and antonyms, a biographical dictionary, and a geographical dictionary with pronunciations given.

Verbal

Your answer : WRONG

- A. with pronunciations given
- B. that has pronunciations given
- C. with pronunciation given
- D. that have pronunciations given 
- E. that do have pronunciations given

43. According to the study, as the body ages, the chance that medications will cause harmful side effects are on the increase.

Verbal

Your answer : **WRONG**

A. are on the increase

B. increases ✘

C. has increased

D. increase

E. None of these

44. Six stories high, with portholes for eyes and a spiral staircase in each hind leg; is the elephant-shaped building known as Lucy, which towered over Margate City New Jersey since 1881.

Verbal

Your answer : **CORRECT**

A. is the elephant-shaped building known as Lucy, which towered over Margate City, New Jersey since 1881

B. since 1881 it has towered over Margate City, New Jersey, the elephant-shaped building known as Lucy

C. the elephant-shaped building known as Lucy has towered over Margate City, New Jersey since 1881 ✔

D. towering over Margate City, New Jersey, since 1881 has been the elephant shaped building known as Lucy

E. None of these

45. Today's technology allows manufacturers to make small cars more fuel-efficient now than at any time in their production history.

Verbal

Your answer : **WRONG**

A. small cars more fuel-efficient now than at any time in their

B. small cars that are more fuel-efficient than they were at any time in their

C. small cars that are more fuel-efficient than those at any other time in their

D. more fuel-efficient small cars than those at any other time in their ✘

E. more fuel-efficient small cars now than at any time in

Instructions: Fill In the blanks with appropriate word/s (Question 46 to 50)

46. Emon is receiving congratulations.....his success at IBA admission test in every minute.

Verbal

Your answer : **WRONG**

A. For

B. upon

C. about

D. on

E. because of ✘

47. We all know his reputation.....exceeding deadlines.

Verbal

Your answer : **CORRECT**

A. at

B. of 👍

C. for

D. about

E. in

48. The police officer had to open fire to prevent a dog attack.....a little boy.

Verbal

Your answer : **CORRECT**

A. from

B. on 👍

C. for

D. to

E. at

49. The police officers continue their inquirythe murder right at the crime scene.

Verbal

Your answer : **CORRECT**

A. about

B. upon

C. into 

D. towards


E. for

50. Oh my Lord, this car costs.....!

Verbal

Your answer : **CORRECT**

A. a Penny saved is penny earned

B. an arm and a leg 

C. as high as kite

D. a penny for your thoughts

E. None of these

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Capstone started up in January 2013, and we have been on an epic ride ever since. Since our inception, we have tried to stay true to our core beliefs -Be inspired and to deliver an exceptional experience for our subscribers.

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