ARM GROUP

JOB APTITUDE TEST

-Fully updated test questions
-Worked answers & Explanations.
-Actual official practice questions.

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ARM GROUP PRE-QUALIFICATION SCREENING

LEVEL : ENTRY & PROFESSIONAL   DATE: LOCATION:

Welcome, **Candidate Name**!

Here is some information that you need to know before you start this test:

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1. What will come in place of question mark in the following equation?

57/67 × 32/171 × 45/128 =?

A. 15/262

B. 15/268

C. 15/266

D. 17/268

E. None of these

2. What will come in place of question mark in the following equation?

283 × 56 + 252 = 20 ×?

A. 805

B. 803

C. 807

D. 809

E. None of these

3. What will come in place of question mark in the following equation?

(5863 - √2704) × 0.5 =?

A. 2955.5

B. 2905.5

C. 2590.5

D. 2909.5

E. None of these

4. What will come in place of question mark (?) in the following question?

76% of 1285 = 35% of 1256 + ?

A. 543

B. 537

C. 547

D. 533

E. None of these

5. What approximate value will come in place of question mark (?) in the following question? (You are not expected to calculate the exact value)

[(7.99)2 - (13.001)2 + (4.01)3] 2 = ?

A. -1800

B. 1450

C. -1680

D. 1681

E. -1450

6. Select the correct plural form for the given word

Radius

A. Radiuses

B. Radii

C. Radiis

D. Radia

E. None of the above

7. Select the correct plural form for the given word:

Thief

A. Thiefs

B. Thief

C. Thieves

D. Thievs

E. None of the above

8. Select the correct plural form for the given word

Roof

A. Roofs

B. Roof

C. Roofes

D. Roovs

E. None of the above

9. Select the correct plural form for the given word

Maximum

A. Maximus

B. Maximum

C. Maxima

D. Maximas

E. None of the above

10. Select the correct plural form for the given word:

Aseries

A. Series

B .Serieses

C. Seria

D. Serii

E. None of the above

11. The following CAPITALIZED pair of words is followed by four other pairs. Choose the pair, which has a relationship similar to that in the capitalized pair.

MONEY: PECULATION

A. Radiation: Bomb

B. Writing: Plagiarism

C. Comment: Insult

D. Bank: Cashier

E. None of these

12. The following CAPITALIZED pair of words is followed by four other pairs. Choose the pair, which has a relationship similar to that in the capitalized pair.

DISCOVER: EXPLORATION

A. Settle: Negotiation

B. Scalpel: Operation

C. Fly: Bird

D. Heat: Oven

E. None of these

13. **Directions:** The following question consists of two words each that have a certain relationship to each other, followed by four lettered pairs of words. Select the lettered pair that has the same relationship as the original pair of words.
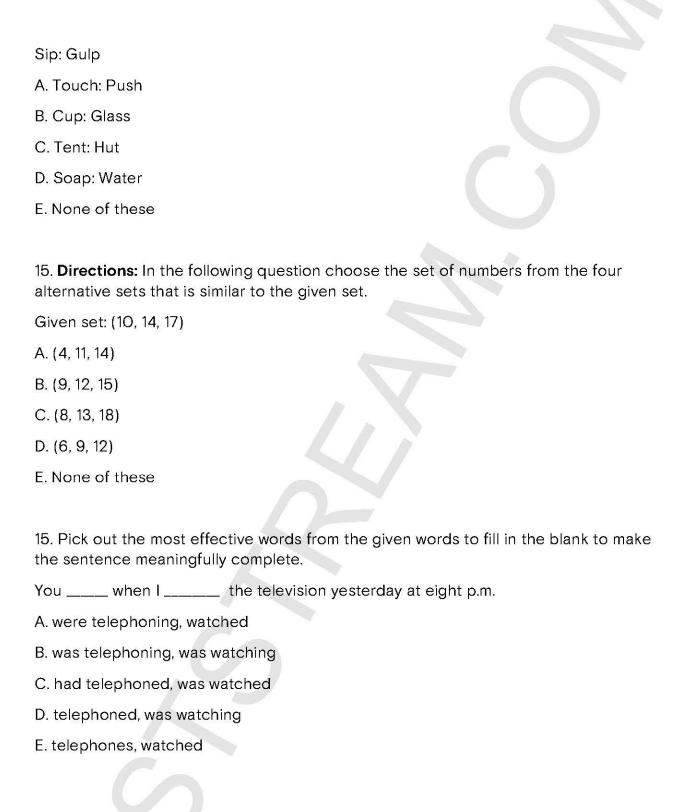
Basement: Attic

A. Nadir: Zenith

B. Zenith: Apex

C. Zenith: Root

D. Apex: Pinnacle

E. None of these

14. **Directions:** The following question consists of two words each that have a certain relationship to each other, followed by four lettered pairs of words. Select the lettered pair that has the same relationship as the original pair of words.

Sip: Gulp

A. Touch: Push

B. Cup: Glass

C. Tent: Hut

D. Soap: Water

E. None of these

15. **Directions:** In the following question choose the set of numbers from the four alternative sets that is similar to the given set.

Given set: (10, 14, 17)

A. (4, 11, 14)

B. (9, 12, 15)

C. (8, 13, 18)

D. (6, 9, 12)

E. None of these

15. Pick out the most effective words from the given words to fill in the blank to make the sentence meaningfully complete.

You _____ when I _____ the television yesterday at eight p.m.

A. were telephoning, watched

B. was telephoning, was watching

C. had telephoned, was watched

D. telephoned, was watching

E. telephones, watched

16. A man spends half of his salary on household expenses, 1/4th for rent, 1/5th for travel expenses; the man deposits the rest in a bank. If his monthly deposits in the bank amount 50, what is his monthly salary ?

A. Rs.500

B. Rs.1500

C. Rs.1000

D Rs. 900

E. None of these

17. Find (7x + 4y)/(x-2y) if x/2y = 3/2

A. 26

B. 18

C. 17

D. 25

E. Data insufficient

18. A man was engaged on a job for 30 days on the condition that he would get a wage of Rs. 10 for the day he works, but he have to pay a fine of Rs. 2 for each day of his absence. If he gets Rs. 216 at the end, he was absent for work for days?

A. 7

B. 9

C. 8

D. 6

E. E

19. If a light flashes every 6 seconds, how many times will it flash in ¾ of an hour including the first flash?

A. 600

B. 350

C. 451

D. 449

E. 360

20. City A's population is 68000, decreasing at a rate of 80 people per year. City B having population 42000 is increasing at a rate of 120 people per year. In how many years will both the cities have the same population?

A. 100 Years

B. 150 Years

C. 130 Years

D. 115 Years

E. None of these

20. In an examination it is required to get 40% of the aggregate marks to pass. A student gets 261 marks and is declared failed by 4% marks. What are the maximum aggregate marks a student can get?

A. 700

B. 730

C. 725

D. 765

E. None of these

22. On a certain island, 5% of the 10000 inhabitants are one ¬legged and half of the others go barefooted. What is the least number of Shoes needed in the island?

A. 9500

B. 12000

C. 10000

D. 9000

E. 19000

23. The difference between 42% of a number and 28% of the same number is 210. What is 59% of that number?

A. 630

B. 885

C. 420

D. 900

E. None of these

24. In a class 80% have passed english,70% passed Hindi 10% did not passed either. If 144 students passed both. What is the total strength of the class.

A. 240

B. 120

C. 360

D. 480

E. None of these

25. In an organization, 40% of the employees are matriculates, 50% of the remaining are graduates and remaining 180 are post-graduates. How many employees are graduates?

A. 360

B. 240

C. 180

D. 300

E. None of these

26. The sum of series represented as 1/(1*5) + 1/(5*9) + 1/(9*13) +..... + 1/(221*225) is

A. 56/225

B. 56/221

C. 28/221

D. None of these

27. Given following sequence, find the next term in the series: (i) 0, 2, 4, 6, 8, 12, 12, 20, 16, ___ (ii) 3, 6, 13, 26, 33, 66, ___

A. 30,73

B. 45,25

C. 65,36

D. 23,52

28. 4,6,10,14,22,26,34,38,46? What is next term in the series?

A. 62.0

B. 58.0

C. 26.0

D. 42.0

29. Find the 8th term in series? 2,2,12,12,30,30,........

A. 25.0

B. 56.0

C. 52.0

D. 72.0

30. Complete the series.. 2 2 12 12 30 30 ?

A. 52.0

B. 23.0

C. 56.0

D. 26.0

31. Three coins are tossed. The probability of getting at least one head is----?

A. 1/3

B. 2/5

C. 3/8

D. 7/8

E. None of these

32. There are 5 red shoes, 4 green shoes. If one randomly draws a shoe what is the probability of getting a red shoe?

A. 4/9

B. 2/3

C. 7/9

D. 5/ 9

E. None of these

33. In a class of 52 students the number of boys is two less than the number of girls. Average weight of the boys is 42 kg, while the average weight of all the 52 students is 40 kg. What is the approx. average weight of the girls.

A. 38.0

B. 23.0

C. 87.0

D. 32.0

E. 42.0

34. The captain of a cricket team of 11 members is 26 years old and the wicket keeper is 3 years older than captain. If the ages of these two are excluded, the average age of the remaining players is one year less than the average age of the whole team. What is the average age of the team?

A. 23 years

B. 24 years

C. 25 years

D. 26 years

E. None of these

35. Three years ago the average age of A and B was 18 years. While C joining them now, the average becomes 22 years. How old (in years) is C now?

A. 24

B. 27

C. 28

D. 5

E. 25

36. Select the correct plural form for the given word

A. Match

B. Matchies

C. Matches

D. Matchs

E. None of the above

37. Select the correct plural form for the given word:

A. Nanny

B. Nannis

C. Nannies

D. Nannys

E. None of the above

38. What is the opposite of
APOTHEOSIS?

A. Optimal

B. Arid

C. Regulated

D. Nadir

E. None of the above

39.What is the opposite of

APOSTLE?

A. Apostate

B. Appropriate

C. Corrupted

D. Evasive

E. None of the above

40. Choose the word which is the exact OPPOSITE of the given words.

EXODUS

A. Influx

B. Home-coming

C. Return

D. Restoration

E. Revival

Comprehension:

Read the following passage carefully and answer the following questions:

Supernatural events have always held a fascination for mankind. At various times in history, men have claimed to possess extraordinary mental or psychic powers, such as the ability to see ghosts or spirits, to talk with the dead and to foretell the future. Scientists have ignored such claims as fictitious and unscientific. But as reports of such phenomena continued to pour in from all quarters, psychologists were forced to take notice of them. In 1882 Professor Sidgwick founded the Society for Psychical Research. The aim of this society was to gather anecdotes and stories of psychic phenomena that could not be explained by the law of nature. Since then the study of such phenomena has gained some importance. It is known by the name of parapsychology. When people have ability to 'communicate' without the aid of their senses, they are said to possess extra-sensory perception (ESP).Psychologists divide ESP into four types. The first is telepathy or thought transference. In telepathy

a person is able to communicate with another who may be far away. A soldier on the battlefront receives a message from his wife, or a father hears a call for help from his son who is far away. Stories like those have been recorded and investigated by psychologists. Another type of ESP is clairvoyance, the ability to see, or otherwise be aware of events, persons or things not known to anyone else. A clairvoyant person may be able to locate a document that is hidden in a secret place or to find a missing child. The third type of ESP is precognition, the ability to foresee what is going to happen in future. Finally there is psychokinesis (PK) the power of mind over matter: a person having this ability will be able to move objects or displace them without touching them. The scientist who has done most to study these phenomena is professor J.B. Rhine of Duke University in America. He started with a study of clairvoyance from the written records of communication with spirits. He also conducted tests with mediums, men or women who had the power to establish contact with spirits. But he could not get sufficient evidence to accept such phenomena as scientific.

Rhine then went to conduct more practical tests in controlled conditions. He made use of cards to test people who claimed to be clairvoyant. He used 25 cards in which 5 different colors and 5 different figures were used. The subject (the person who was being tested) was asked to guess the figure or the color on the card. The statistical probability of guessing right was calculated and found to be 1 in 5. If any person consistently guessed more than 1 in 5, he probably had ESP. Rhine published the results of his study in 1937 under the title, "New Frontiers of the Mind". This publication led to a big controversy among psychologists. Many of them still viewed parapsychology with scepticism.The position today is that ESP is accepted by about 10 percent of psychologists and rejected by another 10 percent. The remaining 80 per cent feel that the evidence now available is insufficient. In the meantime authentic reports of ESP continue to come. Ingo Swann was able to copy with remarkable accuracy figures that were placed on a shelf above her head, clearly out of range other vision. Examples of psychokinesis have come from different places. Madame Kulagina of Russia moved matches that were scattered on a table into one heap without touching them. In 1971 Uri Geller created a sensation when he showed that he was able to bend or displace pieces of metal by the power of his mind.

41. If you have to talk about the main point from the first paragraph, you would say

A. Supernatural Events

B. Professor Sidgwick's Contribution

C. Parapsychology

D. Law of Nature

E. Black magic

42. What is ESP in one word?

A. Telepathy

B. Clairvoyance

C. Communicate

D. Perception

E. Telekinesis

43. ESP is accepted by about

A. 80 percent of psychologists.

B. 10 percent of psychologists.

C. 20 percent of psychologists.

D. 90 percent of psychologists.

44. The scientist who has done most to study these phenomena is

A. J.B. Rhine

B. Ingo Swann

C. Sedgwick

D. Madame Kulagina

E. Max Planck

45. by the power of his mind.

A. 1937

B. 1971

C. 1882

D. 1961

E. 1978

46. Given following sequence, find the next term in the series

3, 6, 13, 24, 39, 58, _

A. 81

B. 65

C. 89

D. 75

E. None of these

47. Given following sequence, find the next term in the series:

O, 1, 2, 13, 6, 33, 12, 63, 20, 103, _

A. 133

B. 163

C. 3O

D. 24

E. 33

48. Directions: In the following number series, two terms are put within brackets. Find which is correct from the given option.

11, 29, (55), 89, (131), 181

A. Both the bracketed terms are right.

B. The first bracketed term is right and second is wrong.

C. The first bracketed term is wrong and second is right.

D. Both the bracketed terms are wrong.

E. None of the above.

Comprehension:

Directions: Questions below are to be answered on the following data.

A causes B or C, but not both, F occurs only if B occurs, D occurs if B or C occurs, E occurs only if C occurs, J occurs only if E or F occurs, D causes G, H but not both, H occurs if E occurs, G occurs if F occurs.

49. If B occurs which must occur?

A. D

B. D and G

C. G and H

D. F and G

E. J

Comprehension:

Directions: Questions below are to be answered on the following data.

A causes B or C, but not both, F occurs only if B occurs, D occurs if B or C occurs, E occurs only if C occurs, J occurs only if E or F occurs, D causes G, H but not both, H occurs if E occurs, G occurs if F occurs.

50. If J occurs which must have occurred?

A. E

B. Either B or C

C. Both E & F

D. B

E. Both B & C

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