



डिजाईन जागरुकता अभियान
DESIGN AWARENESS DRIVE

DAD



On the objectives of

National Design Policy

Govt. Of India

DAD-DESIGNED TO SUPPORT
NATIONAL DESIGN POLICY INDIA

Preparation of a platform for creative design development, design promotion and partnerships across many sectors, states and regions for integrating design with traditional and technological resources.

Global positioning and branding of Indian designs and making "Designed in India" a by-word for quality and utility in conjunction with "Made in India" and "Served in India".

UNITED COUNTRYOUTHS FEDERATION
THE CREATIVE LEADERS-INDIA2018





डिजाईन जागरुकता अभियान
DESIGN AWARENESS DRIVE

DAD/EDR/TLM/DETS/GAT2019/009

Total Marks : 100

Total Time : 2 Hrs 00 Mins



Instructions

1. Read the directions properly and carefully. Read twice, thrice till you get to understand the questions.
2. Go through details of every question most of the times answers are hidden inside the questions..
3. Think on maximum possible options at a time.
4. Marks shall be allotted on basis of observation, visualization, innovation and execution respectively.
5. Use colors where ever possible, until and unless it is restricted to do so.(at least in one question)
6. Maximum marks shall be awarded to neat, fresh and raw ideas.
7. Try to write about everything you draw or sketch.
8. Try to communicate in simple language to make it self-explanatory.

Design
Entrance
Examinations

2018-2019

DAD-Design Aptitude Test

DAD

Name:

Class:

Exam preparing for:

Address:

School/ Institution:

Contact:

D.O.B:

QUANTITATIVE ABILITY TEST

This test is designed to check the quantitative ability of a student and the knowledge to comprehend the calculations and system of numbers and the conviction in the end result.

1. A train passes a station platform in 36 seconds and a man standing on the platform in 20 seconds. If the speed of the train is 54 km/hr, what is the length of the platform?
A. 120 m B. 240 m
C. 300 m D. None of these
2. A man standing at a point P is watching the top of a tower, which makes an angle of elevation of 30° with the man's eye. The man walks some distance towards the tower to watch its top and the angle of the elevation becomes 60° . What is the distance between the base of the tower and the point P?
A. 43 units B. 8 units
C. 12 units D. Data inadequate
E. None of these
3. The age of father 10 years ago was thrice the age of his son. Ten years hence, father's age will be twice that of his son. The ratio of their present ages is:
A. 5 : 2 B. 7 : 3
C. 9 : 2 D. 13 : 4
4. A trader keeps the marked price of an item 35% above its cost price. The percentage of discount allowed to gain 8% is
A. None B. 30%
C. 25% D. 20%
5. The percentage profit earned by selling an item for Rs. 1920Rs. 1920 is equal to the percentage loss incurred by selling the same item for Rs. 1280Rs. 1280. At what price should the item be sold to make 25%25% profit?
A. Insufficient Data B. Rs 3000
C. Rs. 2000 D. Rs. 2200
6. P is 30% more efficient than Q. P can complete a work in 23 days. If P and Q work together, how much time will it take to complete the same work?
A. 9 B. 11
C. 13 D. 15
7. If $a * b = 2a - 3b + ab$, then $3 * 5 + 5 * 3$ is equal to :
A. 22 B. 23
C. 24 D. 25
8. The ratio of the number of boys and girls in a college is 7 : 8. If the percentage increase in the number of boys and girls be 20% and 10% respectively, what will be the new ratio?
A. 8 : 9
B. 17 : 18
C. 21 : 22
D. Cannot be determined
9. A person crosses a 600600 metre long street in 55 minutes. What is his speed in km per hour?
A. 8.2 B. 4.2
C. 6.1 D. 7.2
10. Two pipes A and B can fill a tank in 12 and 24 minutes respectively. If both the pipes are used together, then how long will it take to fill the tank?
A. 9 min B. 8 min
C. 6 min D. 4 min

11. The sum of three numbers is 98. If the ratio of the first to second is 2 : 3 and that of the second to the third is 5 : 8, then the second number is:
 A. 20 B. 30
 C. 48 D. 58
12. If the number $481 * 673$ is completely divisible by 9, then the smallest whole number in place of * will be:
 A. 2 B. 5
 C. 6 D. 7
 E. None of these
13. A card is drawn from a pack of 52 cards. The probability of getting a queen of club or a king of heart is:
 A. $\frac{1}{13}$ B. $\frac{2}{13}$
 C. $\frac{1}{26}$ D. $\frac{1}{52}$
14. A and B started a business in partnership investing Rs. 20,000 and Rs. 15,000 respectively. After six months, C joined them with Rs. 20,000. What will be B's share in total profit of Rs. 25,000 earned at the end of 2 years from the starting of the business?
 A. Rs. 7500 B. Rs. 9000
 C. Rs. 9500 D. Rs. 10,000
15. A and B can together finish a work 30 days. They worked together for 20 days and then B left. After another 20 days, A finished the remaining work. In how many days A alone can finish the work?
 A. 40 B. 50
 C. 54 D. 60

ANALYTICAL ABILITY TEST

This test is designed to check the quantitative ability of a student and the knowledge to

comprehend the calculations and system of numbers and the conviction in the end result.

Directions to Solve

Look carefully for the pattern, and then choose which pair of numbers comes next.

16. 32 29 26 23 20 17 14
 A. 11 8 B. 12 8
 C. 11 7 D. 32 29
 E. 10 9

Directions to Solve

Find the number that fits somewhere into the middle of the series. Some of the items involve both numbers and letters

17. Look at this series: F2, __, D8, C16, B32, ...
 What number should fill the blank?
 A. A16 B. G4
 C. E4 D. E3

Directions to Solve

In each of the following questions, five words have been given out of which four are alike in some manner, while the fifth one is different. Choose the word which is different from the rest.

18. Choose the word which is different from the rest.
 A. Cot B. Sheet
 C. Quilt D. Pillow
 E. Blanket
19. Golu started from his house towards North. After covering a distance of 8 km. he turned towards left and covered a distance of 6 km. What is the shortest distance now from his house?
 A. 10 km. B. 16 km.

- C. 14 km D. 2 km.

Directions to Solve

The words in the bottom row are related in the same way as the words in the top row. For each item, find the word that completes the bottom row of words.

20. Candle lamp floodlight hut cottage?
 A. tent B. city
 C. dwelling D. house
21. A3P means A is the mother of P
 2. A4P means A is the brother of P
 3. A9P means A is the husband of P
 4. A5P means A is the daughter of P
 Which of the following means that K is the mother-in-law of M?
 A. M9N3K4J B. M9N5K3J
 C. K5J9M3N D. K3J9N4M

Directions to Solve

In each of the following questions two statements are given. Which are followed by four conclusions (1), (2), (3) and (4). Choose the conclusions which logically follow from the given statements.

22. **Statements:** No door is dog. All the dogs are cats.
Conclusions:
 1. No door is cat.
 2. No cat is door.
 3. Some cats are dogs.
 4. All the cats are dogs.
 A. Only (2) and (4) B. Only (1) and (3)
 C. Only (3) and (4) D. Only (3)
 E. All the four

Directions to Solve

Each question given below consists of a statement, followed by two arguments numbered I and II. You have to decide

which of the arguments is a 'strong' argument and which is a 'weak' argument.

Give answer:

- (A) If only argument I is strong
 (B) If only argument II is strong
 (C) If either I or II is strong
 (D) If neither I nor II is strong and
 (E) If both I and II are strong.

23. **Statement:** Should family planning be made compulsory in India?

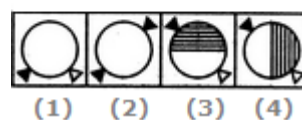
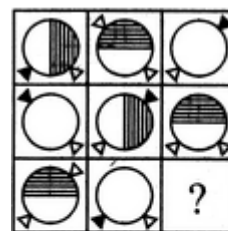
Arguments:

- I. Yes. Looking to the miserable conditions in India, there is no other go.
 II. No. In India there are people of various religions and family planning is against the tenets of some of the religions.
 A. Only argument I is strong
 B. Only argument II is strong
 C. Either I or II is strong
 D. Neither I nor II is strong
 E. Both I and II are strong

Directions to Solve

In each of the following questions, find out which of the answer figures (1), (2), (3) and (4) completes the figure matrix?

24. Select a suitable figure from the four alternatives that would complete the figure matrix.

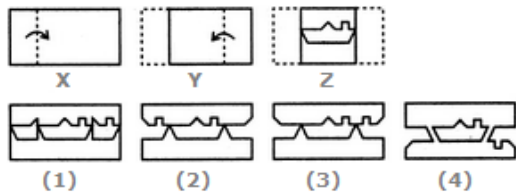


- A. 1 B. 2
 C. 3 D. 4

Directions to Solve

Each of the following questions consists of a set of three figures X, Y and Z showing a sequence of folding of a piece of paper. Figure (Z) shows the manner in which the folded paper has been cut. These three figures are followed by four answer figures from which you have to choose a figure which would most closely resemble the unfolded form of figure (Z).

25. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



- A. 1 B. 2
C. 3 D. 4

Directions to Solve

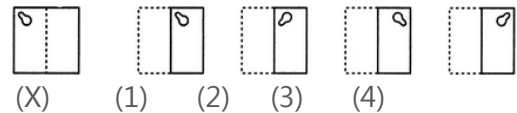
In a class there are seven students (including boys and girls) A, B, C, D, E, F and G. They sit on three benches I, II and III. Such that at least two students on each bench and at least one girl on each bench. C who is a girl student, does not sit with A, E and D. F the boy student sits with only B. A sits on the bench I with his best friends. G sits on the bench III. E is the brother of C.

26. Who sits with C?
A. B B. D
C. G D. E

Directions to Solve

In each of the following problems, a square transparent sheet (X) with a pattern is given. Figure out from amongst the four alternatives as to how the patten would appear when the transparent sheet is folded at the dotted line.

27. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



Directions to Solve

In each of the following questions you are given a combination of alphabets and/or numbers followed by four alternatives (1), (2), (3) and (4).

28. Choose the alternative which is closely resembles the mirror image of the given combination.

NATIONAL

- (1) JANOILAN (2) JANOITAN
(3) JANOITAN (4) LANOITAN

- A. 1 B. 2
C. 3 D. 4

29. A \$ B means A is the father of B; A # B means A is the sister of B; A * B means A is the daughter of B and A @ B means A is the brother of B. Which of the following indicates that M is the wife of Q?

- A. Q \$ R # T @ M B. Q \$ R @ T # M
C. Q \$ R * T # M D. Q \$ R @ T * M

Directions to Solve

In each of the following questions find out the alternative which will replace the question mark.

30. Physician : Treatment :: Judge : ?
A. Punishment B. Judgement
C. Lawyer D. Court

31. Pointing to a photograph Anjali said, "He is the son of the only son of my grandfather." How is the man in the photograph related to Anjali?
- A. Brother B. Uncle
C. Son D. Data is

inadequate

Directions to Solve

In an Exhibition seven cars of different companies - Cadillac, Ambassador, Fiat, Maruti, Mercedes, Bedford and Fargo are standing facing to east in the following order:

1. Cadillac is next to right of Fargo.
2. Fargo is fourth to the right of Fiat.
3. Maruti car is between Ambassador and Bedford.
4. Fiat which is third to the left of Ambassador is at one end.

32. Which of the following statement is correct?
- A. Maruti is next left of Ambassador.
B. Bedford is next left of Fiat.
C. Bedford is at one end.
D. Fiat is next second to the right of Maruti.

Directions to Solve

In each of the following questions you are given a combination of alphabets and/or numbers followed by four alternatives (1), (2), (3) and (4). Choose the alternative which is closely resembles the mirror image of the given combination.

33. Choose the alternative which is closely resembles the mirror image of the given combination.

DL9CG4728

- (1) DJ0CG4728
(3) 8574CG4728

- (2) 8574CG4728
(4) 8574CG4728

- A. 1 B. 2
C. 3 D. 4

Directions to Solve

In each of the following questions, arrange the given words in a meaningful sequence and thus find the correct answer from alternatives.

34. Arrange the words given below in a meaningful sequence.
1. Income 2. Status 3. Education 4. Well-being 5. Job
- A. 1, 2, 5, 3, 4 B. 1, 3, 2, 5, 4
C. 3, 1, 5, 2, 4 D. 3, 5, 1, 2, 4

Directions to Solve

Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.

35. 28, 33, 31, 36, ?, 39
- A. 32 B. 34
C. 38 D. 40
36. Which one of the following is always found in 'Bravery'?
- A. Experience B. Power
C. Courage D. Knowledge
37. Find the number of triangles in the given figure.



- A. 22 B. 24
C. 26 D. 28

38. A woman says, "If you reverse my own age, the figures represent my husband's age. He is, of course, senior to me and the difference between our ages is one-eleventh of their sum." The woman's age is
- A. 23 years B. 34 years
C. 45 years D. None of these

Directions to Solve

In these series, you will be looking at both the letter pattern and the number pattern. Fill the blank in the middle of the series or end of the series.

39. JAK, KBL, LCM, MDN, _____
- A. OEP B. NEO
C. MEN D. PFQ

Directions to Solve

Each of these questions are based on the information given below :

1. 8 persons E, F, G, H, I, J, K and L are seated around a square table - two on each side.
2. There are 3 ladies who are not seated next to each other.
3. J is between L and F.
4. G is between I and F.
5. H, a lady member is second to the left of J.
6. F, a male member is seated opposite to E, a lady member.
7. There is a lady member between F and I.

40. How many persons are seated between K and F ?
- A. 1 B. 2
C. 3 D. 4

COMMUNICATION ABILITY TEST

Directions to Solve

Read each sentence to find out whether there is any grammatical error in it. The error, if any will be in one part of the sentence. The letter of that part is the answer. If there is no error, the answer is 'D'. (Ignore the errors of punctuation, if any).

41. (solve as per the direction given above)
- A. An Indian ship
B. laden with merchandise
C. got drowned in the Pacific Ocean.
D. No error.
42. (solve as per the direction given above)
- A. I could not put up in a hotel
B. because the boarding and lodging charges
C. were exorbitant.
D. No error.

Directions to Solve

In the following questions choose the word which is the exact OPPOSITE of the given words.

43. VIRTUOUS
- A. Wicked B. Corrupt
C. Vicious D. Scandalous
44. PRELIMINARY
- A. Final B. First
C. Secondary D. Initial
45. MORTAL
- A. Divine B. Immortal
C. Spiritual D. Eternal

Directions to Solve

Find the correctly spelt words.

46. (solve as per the direction given above)
- A. Exterminatte B. Inexpliccable

C. Offspring D. Reffere

47. (solve as per the direction given above)

A. Occasion B. Occassion
C. Occoasion D. Ocassion

48. (solve as per the direction given above)

A. Scripher B. Scripture
C. Skripture D. Scriptur

Directions to Solve

In each question below, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

49. I read an advertisement that said

P : posh, air-conditioned
Q : gentleman of taste
R : are available for
S : fully furnished rooms

The Proper sequence should be:

A. PQRS B. PSRQ
C. PSQR D. SRPQ

50. A French woman

P : committed suicide
Q : where she had put up
R : who had come to Calcutta
S : by jumping from the first floor balcony of the hotel

The Proper sequence should be:

A. PRQS B. QSRP
C. RPSQ D. SRQP

51. They felt safer

P : to watch the mountain
Q : of more than five miles
R : as they settled down
S : from a distance

The Proper sequence should be:

A. RPSQ B. RSQP
C. PQSR D. PRSQ

Directions to Solve

The principal advantage in having a clear cut objective of business is that it does not derail; the enterprise does not stray ...(1)... the direct route that it has set for ...(2)... Enterprises with well defined objectives can conveniently undertake ...(3)... and follow long range development policies. Recognition of objectives ...(4)... the temptation to compromise long range ...(5)... for short term gains and improves coordination in work and consistency in policy.

52. (solve as per the direction given above)

A. others B. industry
C. itself D. government

53. (solve as per the direction given above)

A. production B. research
C. audit D. appraisal

Directions to Solve

In the questions below the sentences have been given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice.

54. The invigilator was reading out the instructions.

A. The instructions were read by the invigilator.
B. The instructions were being read out by the invigilator.
C. The instructions had been read out by the invigilator.
D. The instructions had been read by the invigilator.

55. They have built a perfect dam across the river.
- A. Across the river a perfect dam was built.
- B. A perfect dam has been built by them across the river.
- C. A perfect dam should have been built by them.
- D. Across the river was a perfect dam.

Directions to Solve

In questions given below, a part of the sentence is italicised and underlined. Below are given alternatives to the italicised part which may improve the sentence. Choose the correct alternative. In case no improvement is needed, option 'D' is the answer.

56. Most donors would seriously protest any effort to extrapolate from such limited data.
- A. protest against
- B. protest at
- C. protest to
- D. No improvement
57. If you had attended the meeting, you would have benefited a great deal.
- A. could benefit
- B. would benefit
- C. benefited
- D. No improvement

Directions to Solve

In questions given below out of four alternatives, choose the one which can be substituted for the given word/sentence.

58. That which cannot be corrected
- A. Unintelligible B. Indelible

- C. Illegible D. Incurable

59. The study of ancient societies
- A. Anthropology B. Archaeology
- C. History D. Ethnology

Directions to Solve

In each question, an incomplete statement (Stem) followed by fillers is given. Pick out the best one which can complete incomplete stem correctly and meaningfully.

60. Despite his best efforts to conceal his anger.....
- A. we could detect that he was very happy
- B. he failed to give us an impression of his agony
- C. he succeeded in camouflaging his emotions
- D. he could succeed in doing it easily
- E. people came to know that he was annoyed
61. Because he believes in democratic principles, he always.....
- A. decides all the matters himself
- B. listen to others views and enforces his own
- C. shown respect to others opinions if they match his own
- D. reconciles with the majority views and gives us his own
- E. imposes his own views on others

Directions to Solve

Rearrange the following five sentences in proper sequence to form a meaningful paragraph, then answer the questions given below.

68. It is on account of the atmosphere on our earth that we have
- The cycle of seasons
 - Canals, lakes and tanks
 - Mountains and plains
 - Water in all forms
69. Water will not evaporate if
- It is boiled at a low flame
 - The temperature is very low
 - The kitchen is air conditioned
 - There is adequate air pressure
70. Water boils at less than 212° when
- We apply more heat
 - There is more evaporation
 - There is less weight of air in the atmosphere
 - The molecules of the liquid are not pressed down
- He always remembered where he had come from; when he had some real money; and when he moved into a comfortable house with his mother and father. Later, when he grew rich and bought Graceland, he sent for his grandmother and widowed aunt. He also hired cousins and friends who needed work. He said 'Sir' and 'ma'am' to his seniors, loved singing spirituals and when he was conscripted he served two years in the US army without a complaint or special favor. "When they saw me working in the kitchen and doing guard duty," Elvis working in the kitchen and doing guard duty," Elvis Presley once said, "they realized 'well he's just like us'."**
71. Elvis must have come from
- A poor background
 - An aristocratic background
 - A rich background
 - An upper-middle-class background
72. After getting rich, Elvis Presley
- Turned cool towards his friends and relatives
 - Didn't do much for his friends and relatives
 - Helped his friends and relatives
 - Scorned his friends and relatives
73. The pronoun 'he' in this passage refers to
- US army officer
 - Graceland
 - Elvis's cousin
 - Elvis himself
74. Which of the following adjectives sums up Elvis as a person?
- Humble and human
 - Cold and stiff
 - Mean and petty
 - Rude and arrogant
75. The word 'conscription' means
- Working in the kitchen
 - Doing guard duty
 - Compulsory service in the army
 - Singing spiritual songs
- Idiomatic expressions are given after the meanings have been listed. An idiom is a phrase or sentence of two or more words that has a meaning different from the meanings of the words that make it up. We have already seen some of the meanings of the word 'man'. When however, it is used in a fixed expression it can have a very different meaning. For instance, 'a man of letters' is a writer or scholar; 'to be one's own man of letters' is a writer of scholar; 'to be one's own man' means to**

do as one pleases, to act freely; and 'every man for himself means that each person must take care of his own safety. Very often the meaning of phrases 'and idioms may have no connection with what the words say. For example, 'to hit the nail on the head' means to give a correct explanation and 'to be all ears' means to listen eagerly. The meanings of phrases and idioms should be looked for under the most important word in the phrase or idiom, e.g., 'to hit the nail on the head' should be looked for under 'nail' and 'to be all ears' under 'ears'.

76. In this passage, the writer teaches us how to
- A. Use a dictionary B. Define an idiom
C. Learn phrases D. Read a book
77. The phrase 'a man of letters' means
- A. A writer of letters
B. A well-read person
C. A stupid fellow
D. A literate fellow
78. While being used in an idiom, word
- A. Retains its original meaning
B. Becomes meaningless
C. Changes its meaning
D. Gives more than one meaning
79. 'To be all ears' means
- A. To read and listen by oneself
B. To have some ear problem
C. To pay little attention
D. To listen attentively
80. The passage appears to have been taken from
- A. A company report
B. A personal letter
C. A school textbook
- D. An interesting novel
- Almost every lady allows herself some entirely unjustifiable generalizations on the subject of women. Married men, when they generalize on that subject, judge by their wives whereas, women judge by themselves. It would be amusing to write a history of the view of men on women.**
- In antiquity, when male supremacy was unquestioned and Christian ethics were still unknown, women were harmless, rather silly and a man who took them seriously was somewhat despised.**
- Plato thinks it a great objection to the drama that the playwright had to imitate women in creating his female roles. With the coming of Christianity, women took on a new part also found capable of being a saint.**
81. In those days a man who took women seriously was:
- A. admired B. despised
C. respected D. ignored
82. In antiquity male supremacy was
- A. doubtful B. dubious
C. unquestioned D. questionable
83. With the coming of Christianity women took on a new part of
- A. Temptress alone B. Saint alone
C. Protector D. Consort
84. Some unjustifiable generalization are made on
- A. infants B. adolescents
C. teenagers D. women
85. Married men judge women by their
- A. mothers B. sisters

- C. wives D. daughters
86. Ustad Nisar Hussain Khan earned distinction in which of the following fields?
A. Vocal Music
B. Instrumental music
C. Acting
D. Classical dance
87. Point A is at a lower electrical potential than point B. An electron between them on the line joining them will
A. move towards A
B. move towards B
C. move at right angles to the line joining A and B
D. remain at rest
88. Excise duty is a tax levied on the
A. import of goods
B. export of goods
C. production of goods
D. sale of goods
89. Ustad Nisar Hussain Khan earned distinction in which of the following fields?
A. Vocal Music
B. Instrumental music
C. Acting
D. Classical dance
90. Point A is at a lower electrical potential than point B. An electron between them on the line joining them will
A. move towards A
B. move towards B
C. move at right angles to the line joining A and B
D. remain at rest
91. To set one's face against
A. To oppose with determination
- B. To judge by appearance
C. To get out of difficulty
D. To look at one steadily
E. None of these
92. Which countries from the membership of CACM (Central American Common Market)?
A. Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua
B. Bogota, El Salvador, Honduras
C. Washington DC, Bogota, Guatemala
D. All of the above
93. Who is Brand Ambassadors of Digital India Campaign
A. Satwat Jagwani B. Dia Mirza
C. Amitabh Bachchan D. Narendra Modi
94. Warli is the traditional art form of which state?
A. Maharashtra B. West-Bengal
C. Karnataka D. Tamil Nadu
95. Who is Brand Ambassadors of MAA- Mother's Absolute Affection (a nationwide programme to promote breast feeding)
A. Nita Ambani B. Madhuri Dixit
C. Vidya Balan D. Saina Nehwal
96. Who is Brand Ambassadors of Beti Bachao, Beti Padhao Yojana?
A. Sakshi Malik B. Geeta Phogat
C. Sania Mirza D. Vidya Balan
97. Who is Brand Ambassadors of Britannia biscuits?
A. Aamir Khan B. Mikhail Gandhi
C. Arjun Kapoor D. Sachin Tendulkar
98. Who is Brand Ambassadors of TVS motors

- A. M.S. Dhoni
- B. Ranveer Singh
- C. Salman Khan
- D. Virat Kohli

99. Who is Brand ambassadors of Gujrat Tourism?

- A. Narendra Modi
- B. Amitabh Bachchan
- C. PV Sindhu
- D. Vidya Balan

100. Who is Brand ambassador of Central Reserve Police Force (CRPF)?

- A. PV Sindhu
- B. Sachin Tendulkar
- C. M. S. Dhoni
- D. Akshay Kumar