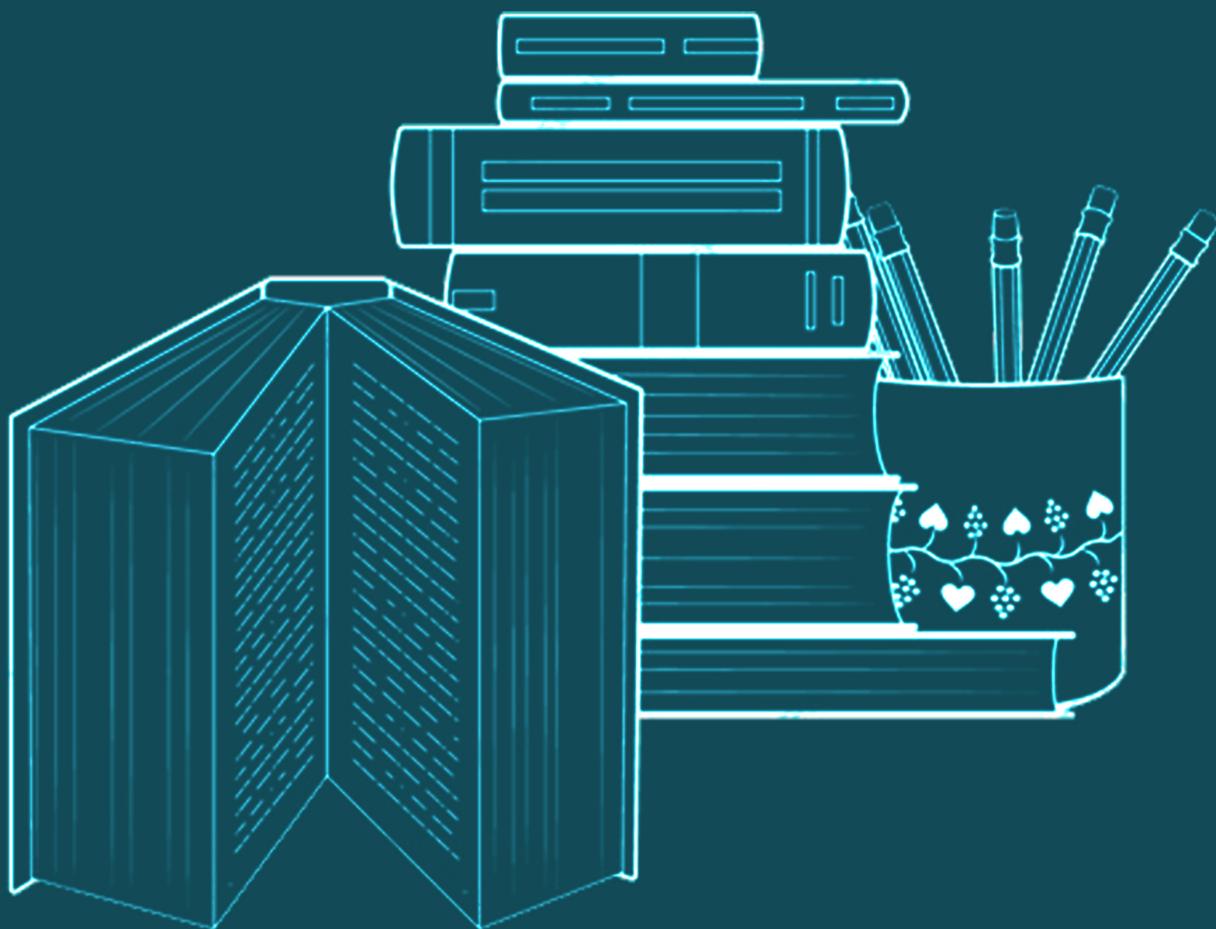


CAREERS 360
ADMISSION GUIDANCE Series

CUET 2024 General Test

Question Paper (Set A) Delhi Region

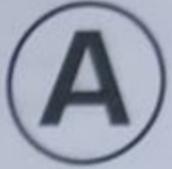


Test Booklet No.

13855573

Subject : GENERAL TEST
Code : 501 E (New)
Medium : English

Test Booklet Code



(Do not open this Test Booklet until you are asked to do so)

Time Allowed : 60 minutes	Maximum Marks : 250	Total Questions : 60	Number of questions to be answered : 50
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Kindly read the Instructions given on this Page and Back Page carefully before attempting this Question Paper.

Important Instructions for the Candidates :

1. This Test Booklet contains 60 questions printed in English. Out of these, the candidate is required to answer any 50 questions. If a candidate answers more than 50 questions, the first 50 answered questions will be considered for evaluation.
2. When you are given the OMR Answer Sheet, fill in your particulars on it carefully with blue/black ball point pen only.
3. Use only Blue/Black Ball Point Pen for marking responses.
4. The CODE for this Test Booklet is A. Make sure that the CODE printed on the OMR Answer Sheet is the same as that on this Test Booklet. Also ensure that your Test Booklet No. and OMR Answer Sheet No. are exactly the same. In case of discrepancy, the candidate should immediately report the matter to the Invigilator for replacement of both the Test Booklet and the OMR Answer Sheet. No claim in this regard will be entertained after five minutes from the start of the examination.
5. Before attempting the question paper kindly check that this Test Booklet has total 16 pages and OMR Answer Sheet consists of one sheet. At the start of the examination within first five minutes, candidates are advised to ensure that all pages of Test Booklet and OMR Answer Sheet are properly printed and they are not damaged in any manner.
6. Each question has four answer options. Out of these four options choose the **MOST APPROPRIATE OPTION** and darken/blacken the corresponding circle on the OMR Answer Sheet with a Blue/Black Ball Point Pen.
7. Five (5) marks will be given for each correct answer. One (1) mark will be deducted for each incorrect answer. If more than one circle is found darkened/blackened for a question, then it will be considered as an incorrect answer. Unanswered questions will be given no mark.

P.T.O.

Name of the Candidate (in Capital Letters) : Krish Ranjan

Application Number (in figures) : _____

Roll Number (in figures) : _____

Centre of Examination (in Capital Letters) : _____

Candidate's Signature : _____ Invigilator's Signature : [Signature]

Facsimile signature stamp of Centre Superintendent : [Signature]

1. The sum of the digits of a two-digit number is 10. If 18 is subtracted from it, the digits in the resulting number will be equal. The number is :

- (1) 75
 (2) 73
 (3) 65
 (4) 64

$$\begin{matrix} xy \\ x+y=10 \end{matrix}$$

$$\begin{array}{r} 64 \\ -18 \\ \hline 46 \end{array}$$

2. In the given question, a statement is given followed by some conclusions. Choose the conclusion(s) which logically follow(s) the given statement.

Statement :

Few shops on this road have neon lights, but they all have signboards.

Conclusions :

- I. Some shops have either signboards or neon lights.
 II. Some shops have no signboards.
 III. Some shops have no neon lights.
 IV. Some shops have both signboards and neon lights.

The conclusion(s) correctly drawn is/are :

- (1) IV alone
 (2) I alone
 (3) II and III

(4) III and IV ✓

$$\begin{array}{r} 14 \\ +28 \\ \hline 42 \\ +18 \\ \hline 60 \end{array}$$

3. Anubhav spent 14% of his income on electricity bills, 28% on rent and 18% on shopping. If $\frac{1}{4}$ of the remaining amount is ₹ 5120, how much did he spend on electricity bills ?

- (1) ₹ 7160
 (2) ₹ 7168
 (3) ₹ 8160
 (4) ₹ 9000

$$\frac{92}{100} = \frac{1}{4}$$

4. If the average of p numbers is q^2 and that of q numbers is p^2 , then the average of $(p+q)$ numbers is :

- (1) $\frac{p}{q}$
 (2) $p+q$
 (3) pq
 (4) $p-q$

SPACE FOR ROUGH WORK

$$\frac{1}{4} \times \frac{40}{100} \times x = 5120$$

$$x = 5120$$

$$x = 51200$$

$$\frac{14}{100} \times 51200 = 7168$$

$$\begin{array}{r} 512 \\ \times 14 \\ \hline 2048 \\ 512 \times \\ \hline 7168 \end{array}$$

$$S = \frac{D}{T}$$

$$D = S \times T$$

$$\Rightarrow \frac{D}{2} = 4 \times (12 - t)$$

$$\frac{D}{2} = 8 \times t$$

$$P_1 = 4 \times 8 = 32$$

$$P_2 = 8 \times 4 = 32$$

$$1 = \frac{4(12-t)}{8t}$$

$$8t = 48 - 4t$$

$$12t = 48$$

$$t = 4 \text{ hr}$$

$$t_1 = 8 \text{ hr}$$

501 E (New) A

5. Ajay walks at a speed of 4 km/hr. He doubles his speed after reaching exactly half way. He walks for 12 hours in all. What is the total distance travelled by him?

- (1) 32 km
(2) 30 km
(3) 64 km
(4) 60 km

6. Aman can go downstream thrice as fast as he can go upstream between two specific points on a river. If the river flows at 8 kmph, what is the speed of the boat in still water (in kmph)?

- (1) 14 kmph
(2) 15 kmph
(3) 16 kmph
(4) 18 kmph

$$V_D = 3V_U$$
$$V_D = V_0 + 8$$
$$V_U = V_0 - 8$$

$$V_D = V_U + 16$$

$$V_0 + 8 = V_0 - 8 + 16$$

7. A shopkeeper earned a profit (in ₹) by selling an item, which is three times the discount offered (in ₹). If the discount offered is 6.25%, what is his profit percentage?

- (1) 20%
(2) 25%
(3) 10%
(4) 12%

$$V_S - V_U = V_D - V_S$$

$$2V_S = V_D + V_U \Rightarrow V_S = \frac{V_D + V_U}{2}$$

8. The total population of a town is 50,000. The number of males and females increases by 10% and 15% respectively and consequently the population of the town becomes 56,000. What was the number of males in the town?

- (1) 20,000
(2) 30,000
(3) 35,000
(4) 40,000

$$\left[\frac{10}{100} \times m \right] + \left[\frac{15}{100} \times (50,000 - m) \right] = 6000$$

$$10m + 15(50,000 - m) = 600,000$$

$$7,50,000 - 60,000 = 510,000$$

$$1,50,000 = 510,000$$

$$m = 30,000$$

9. A 6-digit number has digits as consecutive natural numbers. The number is always divisible by:

- (1) 3
(2) 4
(3) 5
(4) 2

10. The average of 101 consecutive odd numbers is 303. Find the largest number.

- (1) 373
(2) 401
(3) 403
(4) 409

11. If $A : B = 5 : 6$ and $B : C = 6 : 7$, then $A + B : B + C : A + C$ is:

- (1) 10 : 12 : 11
(2) 9 : 11 : 10
(3) 11 : 13 : 12
(4) 19 : 21 : 20

SPACE FOR ROUGH WORK

$$\frac{6.25}{100} \times T = P$$

$$\frac{50,000 - 30,000}{50,000} \times 100 = 40\%$$

12. Aman can do 50% of the job in 16 days, and Bhanu can do 25% of the job in 24 days. In how many days can they do $\frac{1}{4}$ of the job working together?

- (1) 6 days
(3) 10 days

- (2) 8 days
(4) 12 days

13. In 80 litres mixture of milk and water, the ratio of amount of milk to that of amount of water is 7 : 3. In order to make this ratio 2 : 1, how many litres of water should be added?

- (1) 5 litres
(3) 4 litres

- (2) 6 litres
(4) 10 litres

$\triangle PQR$
 $A = 30$
 $P + 90 = 130$
 $P = 80$

14. In a triangle PQR, if $\angle P + \angle R = 150^\circ$ and $\angle P + 3\angle Q = 170^\circ$, then $\angle P$ is equal to:

- (1) 70°
(3) 75°

- (2) 80°
(4) 65°

15. Aman invested ₹ $(P + 3000)$ for 3 years at 8% simple interest. Anuj invested an amount of ₹ P for 2 years at 12% compound interest and received the same amount of interest as Aman received. Find the amount that is invested by Anuj.

- (1) ₹ 45,000
(3) ₹ 55,000

- (2) ₹ 50,000
(4) ₹ 60,000

$\frac{900}{120}$
 7.5%

16. In the Delhi zoo, there are some ducks and rabbits. If the heads are counted there are 160, while the legs are 450. What will be number of ducks in the zoo?

- (1) 90
(3) 95

- (2) 92
(4) 99

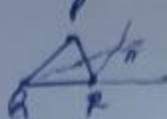
$D = 2L$
 $R = 4L$

$D + R = 160$
 $2D + 4R = 450$

$2R = 130$
 $R = 65$

17. Ankit and Raju decided to start a business and they invested ₹ 5500 and ₹ 6500 respectively. After 11 months, the difference between their profits is ₹ 680. Find the total profit.

- (1) ₹ 8160
(2) ₹ 7260
(3) ₹ 7000
(4) ₹ 6500



$$Q + R = 180 - P$$

$$\frac{Q}{2} + \frac{R}{2} + 40 = 180$$

$$\frac{Q+R}{2} = 140$$

$$Q+R = 280$$

$$Q - R = 180$$

8. PQR is a triangle. The bisectors of the internal angle $\angle Q$ and external angle $\angle R$ intersect at M.

If $\angle QMR = 40^\circ$, then $\angle P$ is :

- (1) 75° (2) 60°
 (3) 65° (4) 80°

$$\frac{A}{2} + \frac{180 - B}{2} + 40 = 180$$

$$A + (180 - B) = 280$$

$$A - B = 100$$

9. What is the name of the alloy which is obtained after mixing mercury with another metal ?

- (1) Solder (2) Amalgam ✓
 (3) Duralumin (4) Pewter

10. What is the name of the scheme launched by the Defence Minister at DefConnect 2024 to foster innovation in defence technology ?

- (1) INNOVATE (2) TECHBOOST
 (3) ADITI (4) DEFEND

11. Who is the author of the book "Kashmir : Travels in Paradise on Earth" ?

- (1) Romesh Bhattacharji (2) Vikram Seth
 (3) Jhumpa Lahiri (4) Shamas Faqir

12. Which state became the 25th state of India on 30th May, 1987 ?

- (1) Telangana (2) Haryana
 (3) Gujarat (4) Goa

13. Which of these temples is not located in Uttarakhand ?

- (1) Nanda Devi (2) Surkanda Devi
 (3) Kalighat Kali (4) Tungnath

14. Which of these states do not share a border with Chhattisgarh ?

- (1) Karnataka (2) Madhya Pradesh
 (3) Telangana (4) Jharkhand

25. Which bowler became second Indian bowler to take 500 wickets in Test matches in February, 2024?
- (1) Harbhajan Singh (2) Ravichandran Ashwin
(3) Ishant Sharma (4) Mohammed Shami
26. Which one of the following rivers is not included in 'Panchnad - The five rivers of Punjab'?
- (1) The Luni (2) The Jhelum
(3) The Chenab (4) The Sutlej
27. Where was the 15th BRICS Summit-2023 organised?
- (1) South Africa (2) Brazil
(3) Russia (4) China

28. Match List I with List II :

List I Indian Notes (New Currency)	List II Pictures
(A) ₹ 10	(I) Ellora Caves
(B) ₹ 100	(II) Konark, Sun Temple
(C) ₹ 500	(III) Rajni Ki Vav
(D) ₹ 20	(IV) Red Fort

Choose the correct answer from the options given below :

- (1) (A) - (II), (B) - (III), (C) - (I), (D) - (IV)
(2) (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
(3) (A) - (I), (B) - (IV), (C) - (III), (D) - (II)
(4) (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
29. From the given options, name the longest river in Asia.
- (1) Yangtze River (2) Lena River
(3) Indus River (4) Brahmaputra River

30. Arrange the following important days according to their chronological order from January to December :

- A. Indian Airforce Day
- B. Kargil Victory Day
- C. World Soil Day
- D. National Youth Day
- E. International Women's Day

Select the correct answer from the options given below :

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

31. Which Railway Minister from the following, resigned immediately after the 1956 Ariyalur train accident ?

- (1) Jagjivan Ram
- (2) Lal Bahadur Shastri
- (3) S.K. Patil
- (4) Lalit Narayan Mishra

32. Which of the following countries won the FIH Hockey Men's World Cup 2023 ?

- (1) Germany
- (2) Netherlands
- (3) Belgium
- (4) Australia

33. Who won the title of the 6th Khelo India Youth Games 2024 ?

- (1) Haryana
- (2) Maharashtra
- (3) Karnataka
- (4) Tamil Nadu

34. In January 2024, which Indian state was the host of the Purple Fest, the first inclusive festival for persons with disabilities ?

- (1) Goa
- (2) Gujarat
- (3) Kerala
- (4) Maharashtra

SPACE FOR ROUGH WORK

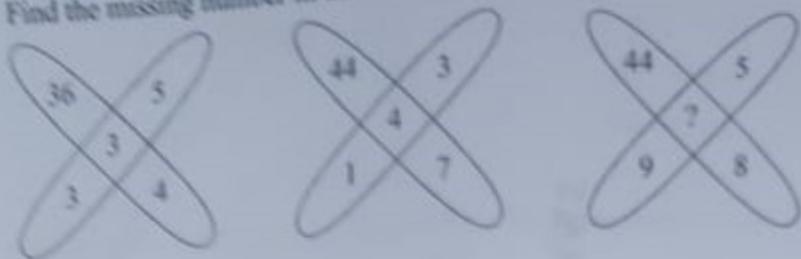
501 E (New)/A

35. In December 2023, Sultan Haitham bin Tarik was on a State visit to India. He is the Sultan and Prime Minister of which country ?
- (1) Iran
(2) Yemen
(3) Qatar
(4) Oman
36. Which of the following states launched the 'Mukhyamantri Seekho-Kamao Yojana' (MMSKY) in 2023 ?
- (1) Uttar Pradesh
(2) Himachal Pradesh
(3) Madhya Pradesh
(4) Bihar
37. Rabindranath Tagore had renounced his knighthood because _____.
- (1) of execution of Bhagat Singh
(2) of Chauri-Chaura incident
(3) he wanted to join the Congress
(4) of the Jallianwala Bagh tragedy
38. In which of the following cities of Madhya Pradesh was the 17th edition of Pravasi Bharatiya Divas (PBD) organized ?
- (1) Bhopal
(2) Indore
(3) Jabalpur
(4) Gwalior
39. In the joint military exercise 'Desert Cyclone', 2024, which two nations collaborated to enhance interoperability through knowledge exchange ?
- (1) India and Qatar
(2) India and Vietnam
(3) India and Australia
(4) India and UAE

SPACE FOR ROUGH WORK

40. Who among the following wrote the book "Guilty Men of India's Partition" ?
- (1) Mahatma Gandhi
 - (2) Lala Har Dayal
 - (3) Lala Lajpat Rai
 - (4) Ram Manohar Lohia
41. Who authored the famous novels, 'The Fountainhead' and 'Atlas Shrugged' ?
- (1) H.G. Wells
 - (2) Ayn Rand
 - (3) George Orwell
 - (4) J.M. Barrie
42. The Bhoodan-Gramadan Movement started by Vinoba Bhave is also known as _____.
- (1) Civil Revolution
 - (2) Green Revolution
 - (3) Bloodless Revolution
 - (4) White Revolution
43. 23 January, the birth anniversary of Netaji Subhas Chandra Bose, is celebrated every year as _____.
- (1) Shaheed Diwas
 - (2) Parakram Diwas
 - (3) National Youth Day
 - (4) Hindi Diwas
44. 23 December, the birthday of former Prime Minister Chaudhary Charan Singh, is celebrated every year as _____.
- (1) Samvidhan Diwas
 - (2) National Milk Day
 - (3) National Farmers' Day
 - (4) Good Governance Day

45. Find the missing number in the following figure.



- (1) 3 (2) 4 (3) 1 (4) 2

46. In the given analogy, choose the number which will replace the question mark (?).

$$WSH : 5 :: KMJ : ?$$

- (1) 3 (2) 7 (3) 5 (4) 2

47. From the given options, at what angle are the hands of a clock inclined at 10 minutes to 2 (Smaller angle)?

- (1) 115° (2) 65° (3) 120° (4) 112°

48. If 1st January, 2001 was a Monday, what was the day on 26th January, 2003?

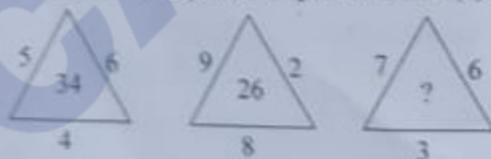
- (1) Saturday (2) Sunday
(3) Monday (4) Wednesday

49. What comes in place of the question mark (?) in the series given below?

B2D, C3F, E5J, G7N, ?, M13Z

- (1) I9R (2) K11Z
(3) K9W (4) K11V

50. Which one will replace the question mark (?)?



- (1) 40 (2) 43 (3) 44 (4) 45

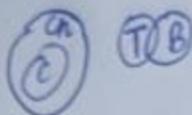
51. Take the given statements to be true even if they seem to be at variance with commonly known facts. Then decide which of the given conclusions logically follow the given statements.

Statements :

0% chairs are tables.

All computers are chairs.

Some books are tables.



Conclusions :

I. Not a single table is a computer.

II. Some books are not chairs.

- (1) Only conclusion I follows.
 (2) Only conclusion II follows.
 (3) Both conclusions I and II follow.
 (4) Neither conclusion I nor II follows.

52. Read the directions carefully and give the answer from the given options.

P, Q, R, S, T, K, L, M and N are sitting around a circle facing the centre.

K is 4th to the right of P and P is 3rd to the right of Q.

N is 4th to the left of Q and 3rd to the right of S.

R is 2nd to the right of M and M is the immediate neighbour of P.

T is 2nd to the left of L.

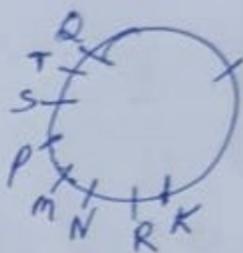
Who is to the immediate left of K ?

(1) R

(2) T

(3) Q

(4) M



53. Find the number of triangles in the given figure.



(1) 8

(3) 12

(2) 10

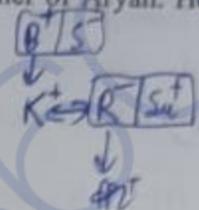
(4) 14

Rakesh is 17th from the right and Ankit is 15th from the left in a line of students. If they interchange their places, the position of Ankit becomes 19th from the left. How many students are there in the line?

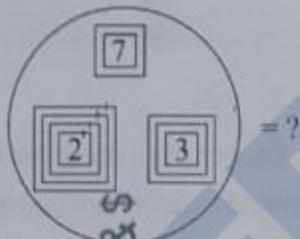
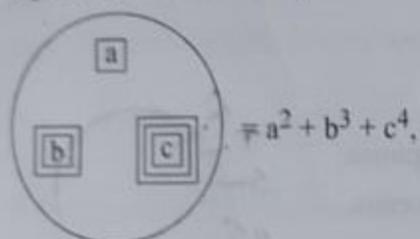
- (1) 36
(2) 35
(3) 34
(4) 33

In a family, Bhanu is the father of Kamlesh. Bhanu has only two children. Kamlesh is the brother of Ritu. Ritu is the daughter of Santosh. Aryan is the grandson of Santosh. Sunny is the father of Aryan. How is Sunny related to Bhanu?

- (1) Son-in-law
(2) Son
(3) Nephew
(4) Brother-in-law



Identify the number that will replace the question mark in the second equation based on the relationship represented in the first equation.

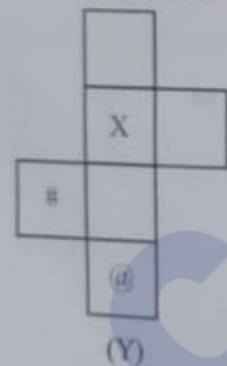


$$7^3 + 2^5 + 3^4 = 343 + 32 + 81$$

- (1) 420
(2) 92
(3) 602
(4) 456

$$\begin{array}{r} 649 \\ \times 7 \\ \hline 343 \\ + 32 \\ \hline 1375 \\ + 81 \\ \hline 456 \end{array}$$

Choose the box that is similar to the box formed from the given sheet of paper (Y).



- (1) (2) (3) (4)

SPACE FOR ROUGH WORK

58. Find the number of triangles in the given figure.

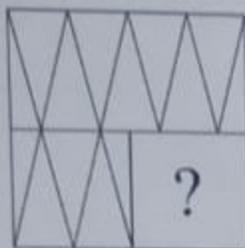


@ \$ O # # # & \$

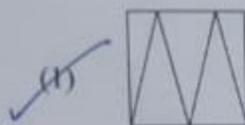
- (2) 15
(4) 18

~~(1) 14~~
(3) 16

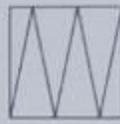
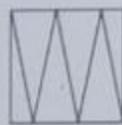
59. Which option figure will complete the pattern in the given figure ?



@ \$ O # # # & \$



(2)

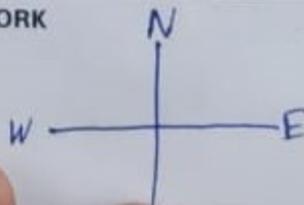
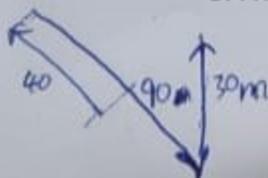


60. A woman leaves her home. She walks 40 m in North-West direction and then 90 m in South-East direction. Then, she moves 30 m in North direction. How far is she now from her initial position ?

- (1) 30 m
(2) 60 m
(3) 50 m

(4) 40 m

SPACE FOR ROUGH WORK



$900 + x^2$