

SSC JE 2023

IMPORTANT MCQ E-BOOK

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1. Who is the First Law Officer of the Government of India ?

- (A) Chief Justice of India
- (B) Law Secretary
- (C) Solicitor – General of India
- (D) Attorney – General of India

Sol.(D)

Attorney General is said to be the first law officer of the Government of India. The Attorney General of India is appointed by the president and has a post parallel to any minister in Parliament and he can take part in proceedings of either House.

2. Which of the following is NOT a major greenhouse gas?

- (A) ozone
- (B) water vapour
- (C) methane
- (D) carbon dioxide

Sol.(A)

3. Live births per 1000 population per year is called:

- (A) Live birth rate
- (B) Birth rate
- (C) Crude birth rate
- (D) New population rate

Sol.(B)

The birth rate is the total number of live births per thousand of a population in a year or period.

The birth rate is used to calculate population growth of a country.

4. 'ASHA' abbreviation denotes

- (A) Association of Scientific Health Activists
- (B) Association of Social Health Activists
- (C) Association of Social Health Activists
- (D) Accredited Social Health Association

Sol.(C)

ASHA stands for Accredited Social Health Activist. ASHA

5. Which one of the following does not qualify for curtailing the freedom of speech and expression under Indian Constitution ?

- (A) Security of the state
- (B) Demand for autonomy
- (C) Public order, decency, morality
- (D) contempt of Court

Sol.(C)

6. When is the International Yoga Day celebrated?

- (A) June 21
- (B) March 21
- (C) April 22
- (D) May 31

Sol.(A)

The International Day of Yoga has been celebrated across the world annually on June 21 since 2015.

7. Which battle established the supremacy of the British rule in India ?
- (A) Battle of Plassey, 1757
(B) Battle of Buxar, 1764
(C) 3rd Mysore war, 1790-92
(D) 4th Mysore war 1799

Sol.(B)

The Battle of Buxar was fought between the East India company and Mir Qasim in 1764.

8. The insurance Regulatory and Development Authority (IRDA) is a:
- (A) Statutory Body
(B) Constitutional Body
(C) Non-Governmental Organization
(D) Advisory Body

Sol. (A)

Insurance Regulatory and Development Authority of India (IRDAI), is a statutory body formed under an Act of Parliament.

9. Which institution releases the India Innovation Index'?
- (A) NITI Aayog (B) CSIR
(C) RBI (D) ISRO

Sol. (A)

The India Innovation Index is released by NITI Aayog and the Institute for Competitiveness every year.

10. Malerkotla is the _____ district of Punjab.
- (A) 21st (B) 22nd
(C) 23rd (D) 24th

Sol. (C)

Malerkotla district is a district in Punjab state of India. It was formed after the bifurcation of

Sangrur district. Malerkotla district was carved out of Sangrur and became the 23rd district of Punjab on 02 June, 2021.

11. What is the Rank of India in the 'Doing Business Report 2020', after the update of the World Bank ?

- (A) 85 (B) 72
(C) 63 (D) 56

Sol. (C)

India has made a big leap on the World Bank's Ease of Doing Business (EoDB) rankings 2020, jumping 14 places from its 2019 ranking to the 63rd rank out of 190 countries.

12. Which new definition was included in the Motor Vehicles Amendment Act, 2019?
- (A) Medical Vehicles
(B) Aggregators
(C) Cargo vehicles
(D) Electric Vehicles

Sol. (B)

The Motor Vehicles Act, 1988 has been amended by the Motor Vehicles Amendment Act, 2019 to include the definition of the term 'Aggregator'.

13. In India, 'Collegium System' was first introduced in relation to:
- (A) Executive
(B) Legislature
(C) Judiciary
(D) Union – State Relations

Sol. (C)

In India 'Collegium System' was first introduced in relation to the Judiciary, in the year 1993.

14. Which university in India has been recognized by UNESCO as World Heritage?

(A) JNU, Delhi
(B) Panjab University
(C) Nalanda University
(D) University of Lucknow

Sol. (C)

Nalanda stands out as the most ancient university of the Indian Subcontinent. The historical development of the site testifies to the development of Buddhism into a religion and the flourishing of monastic and educational traditions.

15. Which of the following pairs (State – date of formation) is correctly matched ?

(A) Haryana – 1 November 1966
(B) Telangana – 15 August, 2014
(C) Mizoram – 25 June, 1986
(D) Chhattisgarh – 20 November, 2000

Sol. (A)

16. At which of the following places was the Flag Satyagraha successfully led by sardar Vallabhbhai Patel ?

(A) Poona (B) Nagpur
(C) Bardoli (D) Bombay

Sol.(B)

The flag satyagraha of Nagpur and Jabalpur occurred over several months in 1923. The arrest of nationalist protestors demanding the

right to hoist the flag caused an outcry across India especially as Gandhi had recently been arrested.

17. Which of the following is a Military Alliance?

(A) A.S.E.A.N (B) N.A.F.T.A
(C) N.A.T.O. (D) E.E.C.

Sol.(C)

NATO: North Atlantic Treaty Organization.

18. Which airport has become the world's first airport to completely operate on solar power?

(A) Kochi Airport
(B) Indira Gandhi International Airport
(C) Chennai International Airport
(D) Kempegowda International Airport

Sol.(A)

The Cochin International Airport became the world's first fully solar-powered airport. It is situated in the city of Kochi, Kerala.

19. The Versatile Bollywood actor Irfan Khan, who passed away in 2020, had won National award for which movie?

(A) Paan Singh Tomar (B) Lunch Box
(C) Life of Pi (D) Haidar

Sol. (A)

His lead role in Paan Singh Tomar (2012), as the eponymous real-life athlete turned dacoit, won him the National Film Award for Best Actor.

20. Where the Winter Olympic Games 2022 will be organized?

(A) Pyeong Chang, South Korea

(B) Vancouver, Canada

(C) Sochi, Russia

(D) Beijing, China

Sol. (D)

The Winter Olympics 2022 is scheduled in Beijing and towns in the neighboring Hebei province, China.

21. In which of the following cases a legislator is disqualified from being a Member of Parliament?

I. If he/she is not a citizen of India.

II. If he/she holds any office of profit under the Union or state government.

III. If he/she is convicted and sentenced to imprisonment for 6 months and above.

IV. If he/she voluntarily gives up the membership of the political party.

Select the correct answer using the code given below:

(A) I and II only (B) I, II and IV only

(C) III and IV only (D) I, III and IV only

Sol. (B)

22. Forbes magazine has released which edition of the Forbes 30 under 30 Asia List 2022?

(A) 9th (B) 5th

(C) 3rd (D) 7th

Sol. (D)

23. In which state, the Department of Posts delivered mail using a drone for the first time?

(A) Kerala (B) Gujarat

(C) Uttar Pradesh (D) Goa

Sol. (B)

24. Which state government has announced forming a 5-member drafting committee to implement the much-debated UCC?

(A) Tamil Nadu (B) Uttarakhand

(C) Gujarat (D) Uttar Pradesh

Sol. (B)

25. Who has topped the Fortune 500 list of highest-paid CEO executives in the world?

(A) Tim Cook (B) Jensen Huang

(C) Elon Musk (D) Reed Hastings

Sol. (C)

26. Which is the most Preferred Bank Note by Indians according to the Reserve Bank of India?

(A) Rs.100 (B) Rs.500

(C) Rs.50 (D) Rs.200

Sol. (A)

27. In May 2022, INS Gomati has decommissioned at which naval dockyard?

(A) Naval Dockyard, Chennai

(B) Naval Dockyard, Kochi

(C) Naval Dockyard, Kolkata

(D) Naval Dockyard, Mumbai

Sol. (D)

28. Which country has successfully test-fired the Zircon Hypersonic missile?

(A) Russia (B) China

(C) Ukraine (D) North Korea

Sol. (A)

29. When is the last date for submitting nominations for Padma Awards 2023?

- (A) June 16 (B) May 15
(C) September 15 (D) June 20

Sol. (C)

30. Which nation has proposed to impose a ban on handgun sales after the Texas school shooting?

- (A) China (B) Pakistan
(C) Japan (D) Canada

Sol. (D)

31. Which country has been chosen as the "Country of Focus" in the 17th Mumbai International Film Festival?

- (A) Nepal (B) India
(C) China (D) Bangladesh

Sol. (D)

32. What is the theme of the 'United Nations Peacekeepers 2022'?

- (A) Planet Peace Partnerships
(B) Peace for All
(C) Tribute to Peacekeepers
(D) People Peace Progress: The Power of Partnerships

Sol. (D)

33. Which is the second state to recognise Community Forest Resource (CFR) rights inside a National Park?

- (A) Chhattisgarh (B) Assam
(C) Gujarat (D) Kerala

Sol. (A)

34. Which state CM has launched a new health & wealth app AAYU?

- (A) Tamil Nadu (B) Madhya Pradesh
(C) Jharkhand (D) Karnataka

Sol. (D)

35. India's first rural tribal technical training program was inaugurated in which state?

- (A) Karnataka (B) Madhya Pradesh
(C) Tamil Nadu (D) Jharkhand

Sol. (B)

36. Bandhan Express and Maitree Express, which were seen in the news, run between India and which country?

- (A) Bangladesh (B) Nepal
(C) China (D) Sri Lanka

Sol. (A)

37. Which city is the host of 'Global Millets (Shree Anna) Conference'?

- (A) Mumbai (B) New Delhi
(C) Varanasi (D) Ahmedabad

Sol. (B)

38. Exercise 'Al-Mohed-Al Hindi-23' is held between India and which country?

- (A) UAE (B) Saudi Arabia
(C) Israel (D) Oman

Sol. (B)

39. Which institution launched 'ATL Sarthi', a comprehensive self-monitoring framework?

- (A) RBI (B) SEBI
(C) NITI Aayog (D) BSE

Sol. (C)

40. Which state approved the 10% horizontal reservation to statehood activists in state government job?

- (A) Jharkhand (B) Uttarakhand
(C) Punjab (D) Rajasthan

Sol. (B)

41. Madhav National Park, which was seen in the news, is in which state/UT?

- (A) Tamil Nadu (B) Madhya Pradesh
(C) Gujarat (D) Kerala

Sol. (B)

42. What is the name of the world's first-ever radio platform powered by artificial intelligence?

- (A) AI Radio (B) Go Radio
(C) Radio GPT (D) Radio Bing

Sol. (C)

43. Who won the Miss Universe 2022 title?

- (A) Divita Rai
(B) R'Bonney Gabriel
(C) Andreina Martinez
(D) Amanda Dudamel

Sol. (B)

44. India's First Centre of Excellence in Online Gaming to be set up in

- (A) Shillong (B) Patna
(C) Mumbai (D) Chandigarh

Sol. (A)

45. The 75th Indian Army Day is celebrated on

- (A) 12th January (B) 13th January
(C) 14th January (D) 15th January

Sol. (D)

46. What is the name of the first cruise ship ever built in India?

- (A) MV Ganga Vilas
(B) MV Jamuna Vilas
(C) MV Godavari Vilas
(D) MV Brahmaputra Vilas

Sol. (A)

47. Which Government starts caste survey in State?

- (A) Bihar (B) Goa
(C) Assam (D) Meghalaya

Sol. (A)

48. Which Indian film wins the Best Foreign Language film award in the 28th Critics Choice Awards?

- (A) RRR (B) K.G.F
(C) Kantara (D) Ponniyin Selvan

Sol. (A)

49. Which Indian State host the FIH Men's Hockey World Cup 2023?

- (A) Kerala (B) Punjab
(C) Odisha (D) Madhya Pradesh

Sol. (C)

50. Who is named as the Men's T20I Cricketer of the Year by the International Cricket Council (ICC) for the year 2022?

- (A) KL Rahul

- (B) Babar Azam
- (C) Kane Williamson
- (D) Suryakumar Yadav

Sol. (D)

51. Who won the Australian Open 2023 women title

- (A) Petra Kvitová (B) Simona Halep
- (C) Aryna Sabalenka (D) Elena Rybakina

Sol. (C)

52. Who won the Australian Open 2023 men title

- (A) Novak Djokovic (B) Rafael Nadal
- (C) Roger Federer (D) Stefanos Tsitsipas

Sol. (A)

53. Which country's President was the Chief Guest at the Republic Day's parade this year 2023

- (A) Algeria (B) Egypt
- (C) Jordan (D) Qatar

Sol. (B)

54. Which team won the inaugural ICC Women's Under-19 T20 World Cup title

- (A) India (B) England
- (C) Australia (D) New Zealand

Sol. (A)

55. Who becomes the fastest Indian to pick up 450 Test wickets

- (A) Ravindra Jadeja
- (B) Ravichandran Ashwin
- (C) Mohammed Shami
- (D) Mohammed Shami

Sol. (B)

56. Which one city becomes first civic body to launch green bonds

- (A) Indore (B) Patna
- (C) Kolkata (D) Gangtok

Sol. (A)

57. Asia's Largest Helicopter Manufacturing Facility recently inaugurated in

- (A) Punjab (B) Tamil Nadu
- (C) Maharashtra (D) Karnataka

Sol. (D)

58. Where Lithium reserves is found for the first time in India

- (A) Bihar
- (B) Kerala
- (C) Maharashtra
- (D) Jammu & Kashmir

Sol. (D)

59. What is the name of the Earth-observing mission between NASA and the Indian Space Research Organization (ISRO)

- (A) Astro (B) Nisar
- (C) Castro (D) Rainbow

Sol. (B)

60. Which team won the Ranji Trophy title 2022-23

- (A) Delhi (B) Mumbai
- (C) Saurashtra (D) West Bengal

Sol. (C)

61. Neal Mohan appointed as the new CEO of

- (A) Google (B) Twitter
- (C) Youtube (D) IBM

Sol. (C)

62. Which one won the "Best Documentary Short" award in the Oscar 2023

- (A) Elephant Boy
- (B) Life Overtakes Me
- (C) The Elephant Whisperers
- (D) All That Breathes

Sol. (C)

63. Which team won the Women's ICC T20 World Cup tournament 2023

- (A) India
- (B) Pakistan
- (C) Australia
- (D) South Africa

Sol. (C)

64. Which one film won the "Best Picture" award in the Oscar 2023

- (A) Avatar: The Way of Water
- (B) The Banshees of Inisherin
- (C) All Quiet on the Western Front
- (D) Everything Everywhere All at Once

Sol. (D)

65. Which one film won the "Best Actor" award in the Oscar 2023

- (A) Brendan Fraser
- (B) Austin Butler
- (C) Colin Farrell
- (D) Bill Nighy

Sol. (A)

66. Which one film won the "Best Actor" award in the Oscar 2023

- (A) Cate Blanchett
- (B) Michelle Yeoh

(C) Ana de Armas

(D) Michelle Williams

Sol. (B)

67. World's longest railway platform inaugurated in

- (A) Bhopal
- (B) Hubballi
- (C) Secunderabad
- (D) Mangaluru

Sol. (B)

68. Which state/UT has officially banned putting up posters and banners without prior permission?

- (A) Lakshadweep
- (B) Chandigarh
- (C) Puducherry
- (D) Goa

Sol. (B)

69. Which organisation has partnered with NITI Aayog to use AI, IoT, Blockchain and Drones to support small and marginal farmers?

- (A) World Bank
- (B) WEF
- (C) IMF
- (D) ADB

Sol. (B)

70. What is the unique feature of the 'Azadi Ka Amrit Mahotsav (AKAM)' design coins, recently launched by the Prime Minister?

- (A) Visually impaired friendly
- (B) Bronze Coin
- (C) Eight Scalloped Coin
- (D) Aluminium-Magnesium Coin

Sol. (A)

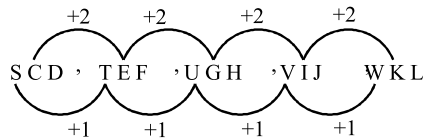
MENTAL ABILITY

1. Complete the series:

SCD, TEF, UGH, ____, WKL

- (A) CMN (B) UJI
(C) VIJ (D) IJT

Sol. (C)

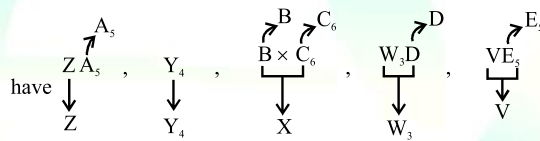


2. Complete the series :

ZA₅, Y₄, BXC₆, W₃D, ____

- (A) E₇V (B) V₂E
(C) VE₅ (D) VE₇

Sol. (C)

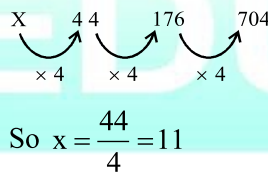


3. Find the value of x in the following series : x,

44, 176, 704, x = ?

- (A) 11 (B) 12
(C) 22 (D) 33

Sol. (A)



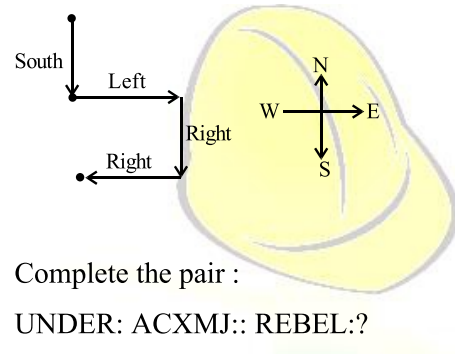
4. A person moved towards South, then he took left; and then again right and finally turned to right. In which direction did he face at the end?

- (A) North (B) East

(C) West

(D) South

Sol. (C)



5. Complete the pair :

UNDER: ACXMJ :: REBEL: ?

- (A) JMQMZ (B) JRJQL
(C) MPJBI (D) MZWR

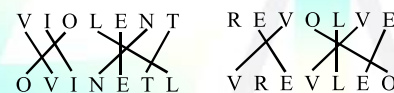
Sol. (A)

6. Complete the pair :

VIOLENT: OVINETL :: REVOLVE : ?

- (A) VREVLEO (B) VRLOVEE
(C) REVKRVE (D) ROVTBER

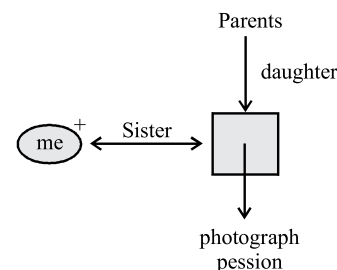
Sol. (A)



7. I am the only boy child of my parents. If the person in photograph is the only daughter of my father. What would she call me?

- (A) Brother (B) Sister
(C) Aunt (D) None of these

Sol. (A)



8. If TRIANGLE = 96485321, LINEGART = ?

- (A) 24513869 (B) 28613459
(C) 24583169 (D) 25143869

Sol. (A)

T R I A N G L E	L I N E G A R T
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	
9 6 4 8 5 3 2 1	2 4 5 1 3 8 6 9

9. BEINT?

- (A) X (B) Y
(C) A (D) Z

Sol. (C)

B E I N T A ?
+3 +4 +5 +6 +7

Select the related letters/word/number
from the given alternatives -

10. Grenade : Gun :: ?

- (A) Sister : Brother (B) Father : Mother
(C) Man : Woman (D) Head : Brain

Sol. (D)

Grenade : Gun :: Head : Brain

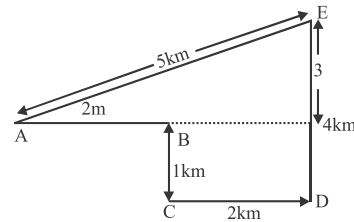
Gun is inside grenade

Brain is inside Head

11. Satish starts from A and walk 2 km east upto B and turns southwards and walk 1 km upto C. At C he turns to east and walks 2 km upto D. he then turns northwards and walks 4 km to E. How far is he from his starting point?

- (A) 5 km (B) 6 km
(C) 3 km (D) 4 km

Sol. (A)



12. If PALE is coded as 2134, EARTH is coded as 41590, how is PEARL coded in that code ?

- (A) 29530 (B) 24153
(C) 25413 (D) 25430

Sol. (B)

P A L E	E A R T H	P E A R L
↓ ↓ ↓ ↓	↓ ↓ ↓ ↓ ↓	↓ ↓ ↓ ↓ ↓
2 1 3 4	4 1 5 9 0	2 4 1 5 3

13. Select the one, which is different from other three

- (A) ZKXJ (B) CMAL
(C) TGRF (D) FRTK

Sol. (D)

a) Z K X J b) C M A L
c) T G R F d) F R T K

14. P is the mother of K, K is the sister of D, D is the father of J. How is P related to J ?

- (A) Grandmother (B) Sister
(C) Mother (D) Aunt

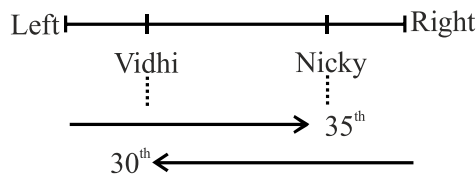
Sol.(A)

P ⁻	- Female
↑	+ Male
K ⁻ ↔ D ⁺	↑ Parents
↑	↔ Siblings
J	

P is grandmother of J

15. In a line of 50 students, Nicky stood at 35th position from left and Vidhi stood at 30th position from right. How many students would be there between Nicky and Vidhi ?
- (A) 13 (B) 11
(C) 15 (D) None of these

Sol.(A)



Total = 50

L_N = Rank of Nicky from left

R_V = Rank of Vidhi from right

$$\text{Mid} = [(L_N + R_V) - \text{Total} - 2]$$

$$\Rightarrow (35 + 30) - 50 - 2$$

$$\Rightarrow 65 - 52 = 13 \text{ student}$$

16. Choose the remaining alternative to complete the series :

A _ A _ 12AB _ 12 _

- (A) 1BC3 (B) 11B3
(C) AC13 (D) A1C3

Sol. (A)

A 1 A B 12 A B C 1 2 3

17. Find the same relationship

3P5R : 4Q6S :: 6B8D : ?

- (A) C7I9 (B) 5B7T
(C) 5C&E (D) 7C9E

Sol. (D)



18. Complete the series.

1A2345, 12B345 _____ 1234D5, 12345E

- (A) 1C2345 (B) 123C45
(C) 1234C5 (D) 12345C

Sol. (B)

1A2345, 12B345, 123C45, 1234D5, 12345E

19. If BILOGY = 123456, VIBGYOR = ?

- (A) 6423518 (B) 9542618
(C) 9512648 (D) 9215648

Sol. (B)

BILOGY VIBGYOR

↓↓↓↓↓↓ ↓↓↓↓↓↓

1 2 3 4 5 6 9 2 1 5 6 4 8

20. Choose the remaining alternative to complete the series :

AB _ C _ AB _ CB _

- (A) CBCBB (B) CBACA
(C) CBCAB (D) CABCB

Sol.(B)

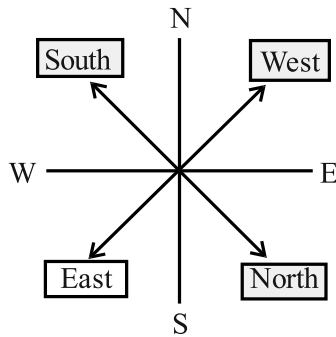
A B C C B A A B C C B A

CBACA

21. If South-West becomes East, North-West becomes South and so on. What will West become ?

- (A) North-East (B) North-West
(C) South-East (D) South-West

Sol.(A)



Then west is called → South east.

22. Choose the remaining alternative to complete the series:

A _ BBC _ AAB _ CCA _ BBCC

- (A) ACCA (B) ACBA
(C) ABCA (D) ABBA

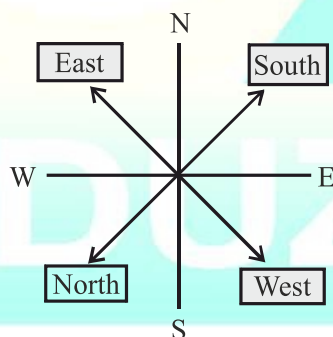
Sol. (B)

AA BB CC AA BB CC AA BB CC

23. If South-West becomes North, North-West becomes East and so on. What will West become?

- (A) North-East (B) North-West
(C) South-East (D) South-West

Sol. (C)



So west will become North-east

24. Choose the word which is different from the rest
(A) Domino's (B) Pizza Hut
(C) MC' Donalds (D) U.S. Pizza

Sol. (C)

Domino's, Pizza hut, U.S Pizza is famous for pizza.

25. PLXE, OKWD, NJVC, _____, LHTA

Fill in the blank.

- (A) MJNBF (B) MJIB
(C) MIUB (D) IJTF

Sol. (C)

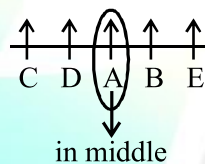


26. Of the five members of an interview committee sitting in a row, B is left to E but right to A. D is sitting right to C but left to A. find the one sitting in the middle.

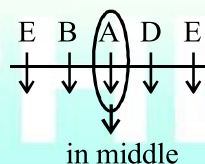
- (A) B (B) A
(C) D (D) C

Sol.(B)

If facing south



If facing middle



27. The average age of 8 members of an committee was 40 years. If an old member of 55 years retires and a new number of 39 years

is admitted, what is the average age of the present committee?

- (A) 39 years (B) 38 years
(C) 36 years (D) 35 years

Sol.(B)

$$\frac{S_7 + 55}{8} = 40 \quad \text{---1 (initially Avg)}$$

$$\frac{S_7 + 39}{8} = x \quad \text{[New Avg]}$$

Put the value of S_7 from 1 into 2

$$S_7 = 8 \times 40 - 55$$

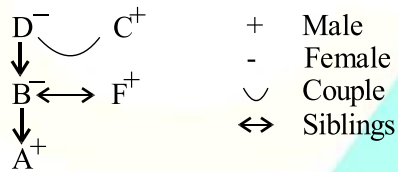
$$S_7 = \frac{320 - 55}{265}$$

$$x = \frac{265 + 39}{8} = 38$$

28. A is B's son C's father is F. F is D's son and B is D's daughter. How is A related to F?

- (A) Nephew (B) Niece
(C) Cousin (D) Son-in-law

Sol.(A)

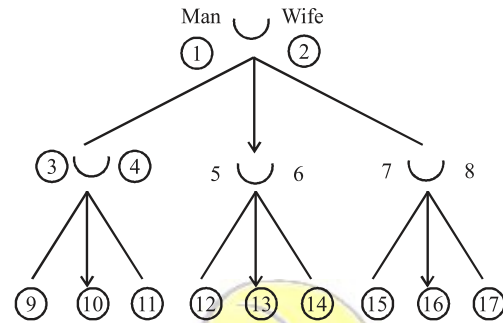


A is nephew of F.

29. A party consisted of a man, his wife, his three sons and their wives and three children in each son's family. How many were there in the party?

- (A) 13 (B) 17
(C) 24 (D) 22

Sol.(B)



30. My father has two brothers. The youngest has two sons and one daughter. The elder one has one son and two daughter and the remaining one has three sons. If my father has four nephews, how many cousins (brother) have I got?

- (A) 6 (B) 4
(C) 7 (D) 5

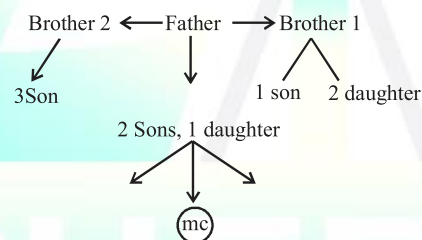
Sol.(B)

Father \rightarrow S S D

Bother \rightarrow S S S

Brother-2 \rightarrow S D D

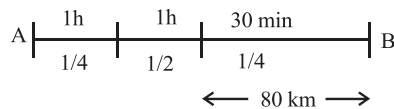
Total cousin brother = 4



31. Murthy drove from town A to town B. in the first hour, he travelled $\frac{1}{4}$ of the journey. In the next one hour, he travelled $\frac{1}{2}$ of the journey. In the last 30 minutes, he travelled 80 km. find the distance of the whole journey.

- (A) 240 km (B) 300 km
(C) 320 km (D) 360 km

Sol.(C)



Remaining Journey is

$$1 - \left(\frac{1}{4} + \frac{1}{2} \right) = \left(\frac{3}{4} \right) = \frac{1}{4}$$

$$\frac{1}{4} \longrightarrow 80 \text{ km}$$

$$1 \longrightarrow 80 \times 4 = 320 \text{ km}$$

- 32.** Statements: Some fishes are crocodiles.
Some Crocodiles are snakes.
No snake is snail.
All snails are tortoises.

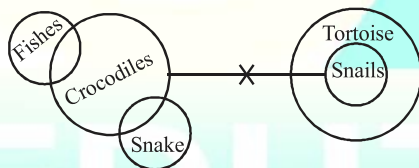
Conclusions:

I. Some snakes are fish

II. Some fishes are tortoise.

- (A) None of these Conclusions I and II follow
(B) Conclusion I follow
(C) Conclusion II follow
(D) Both the conclusions I and II follow

Sol. (A)

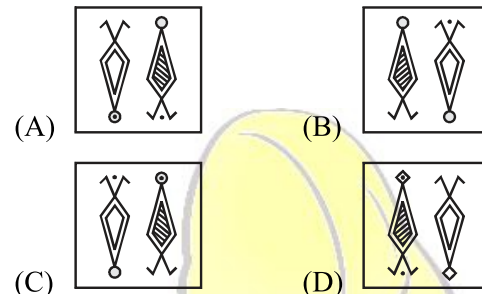
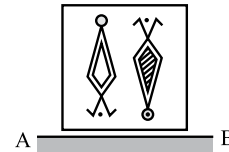


Conclusion 1 \rightarrow False

2 \rightarrow False

None of them follow

- 33.** if a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure



Sol. (C)

- 34.** In the following question, a matrix of certain characters is given. these characters follow a certain trend, row - wise or column - wise. Find out this trend and choose the missing character accordingly.

Z	?	S
J	G	?
?	T	P

- (A) WCV (B) WCW
(C) RHS (D) RQM

Sol. (B)

- 35.** Hospital is 12 km towards east of Rupin's house. His school is 5 km towards south of hospital. What is the shortest distance between Rupin's house and school?

- (A) 12 km (B) 17 km
(C) 16 km (D) 13 km

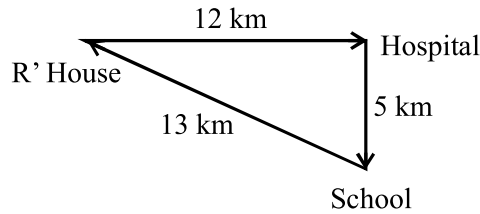
Sol. (D)

Shortest distance between school & house is

$$\sqrt{12^2 + 5^2}$$

$$\Rightarrow \sqrt{144 + 25}$$

$$\Rightarrow \sqrt{169} = 13 \text{ km}$$



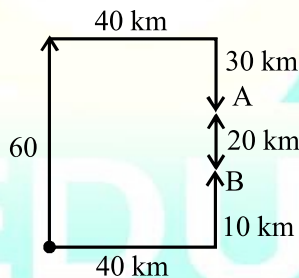
36. Two cars started from a particular spot. Car A ran straight at the speed of 30 kmph for 2 hours and then took a right turn. It ran 40 km and again turned right. It stopped after 30 km. Car B ran straight towards east at the speed of 20 kmph for 2 hours and turned left. It ran for 10 km and then stopped. How far were these two cars from each other when both of them stopped at last?

- (A) 17 km (B) 19 km
(C) 20 km (D) 18 km

Sol. (C)

Car A = Initially travelled (30×2) north, then took right turn go 40 km, again 30 km right.

Car B = Initially travelled (20×2) east, then 10 km left,



37. $\left(\frac{1}{8}\right), \left(\frac{1}{4}\right), \left(\frac{1}{2}\right), 1, ?, 4$

- (A) 2 (B) $\left(\frac{2}{8}\right)$

- (C) 6

- (D) $\left(\frac{3}{8}\right)$

Sol. (A)

$$-\frac{1}{8} \times \frac{1}{2} = -\frac{1}{4}, \frac{1}{4} \times 2 = \frac{1}{2},$$

$$\frac{1}{2} \times 2 = 1, \quad 1 \times 2 = 2,$$

$$2 \times 2 = 4$$

38. 11, 12, 16, 25, ?

- (A) 41 (B) 49
(C) 43 (D) 45

Sol. (A)

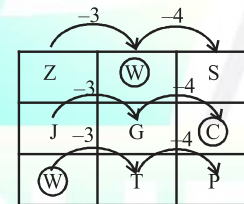
$$\begin{array}{cccccc} 11 & 12 & 16 & 25 & 41 \\ +1^2 & +2^2 & +3^2 & +4^2 & \end{array}$$

39. 3, 9, 21, 45, ?

- (A) 93 (B) 87
(C) 54 (D) 78

Sol. (A)

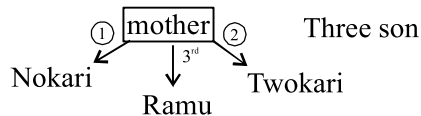
$$\begin{array}{cccccc} 3 & 9 & 21 & 45 & 93 \\ 16 & 12 & 24 & 48 & \end{array}$$



40. Ramu's mother has three sons. The eldest one is called one kari, the second one is called two kari then the third son's name is called is

- (A) Sandu (B) Teenkari
(C) Ramu (D) Nokari

Sol. (C)



41. Ashok is heavier than Gopal Mahesh is lighter than Jayesh Prashant is Heavier than jayesh but lighter then Gopal. Who among them is heavier?

(A) Ashok (B) Gopal
(C) Prashant (D) Mahesh

Sol. (A)

Ashok > Gopal -----1

Mahesh < Jayesh -----2

Gopal > Prashant > Jayesh ----3

By combining all

Ashok > Gopal > Prashant > Jayesh > Mahesh

42. If $7x = 8k$ and $5y = 6k$, then the value of ratio x is to y is:

(A) 20 : 21 (B) 35 : 48
(C) 21 : 20 (D) 48 : 35

Sol. (A)

$$7x = 8k$$

$$5y = 6k$$

$$\frac{x}{y} = \frac{8 \times 5}{6 \times 7} = \frac{20}{21}$$

$$\begin{array}{ccc} x & : & y \\ 20 & : & 21 \end{array}$$

43. If $44 + 12 = 30$, $77 + 14 = 61$, $84 + 16$ then what should be for following:

$$44 + 42 = ?$$

(A) 28 (B) 32
(C) 20 (D) 24

Sol. (C)

$$44 - 12 - 2 = 30$$

$$77 - 14 - 2 = 61$$

$$84 - 16 - 2 = 66$$

$$44 - 22 - 2 = 20$$

44. Select the set of symbols which can be fitted correctly in the following equation:

$$8 \times 4 - 2 + 6 + 3 = 32$$

(A) -, ×, ÷, + (B) ×, -, ÷, +
(C) +, ×, ÷, - (D) +, ÷, ×, -

Sol. (B)

$$8 \times 4 - 2 + 6 \div 3 = 32$$

45. If DEMIGODS, is coded as GHPLJRGV, then how will RUN be coded as?

(A) UJM (B) MJU
(C) IOP (D) UXQ

Sol. (D)

D	E	M	I	G	O	S
↓	↓	↓	↓	↓	↓	↓
G	H	P	L	J	R	V
R	U	N				
+3 ↓	+3 ↓	+3 ↓				
U	X	Q				

46. If A% B means A is father of B, A & B means A is brother of B and A \$ B means A is son of B, then what does I \$ G% H & K mean, if K is male ?

(A) I is son of K (B) I is father of K
(C) I is grandson of C (D) I is brother of K

Sol. (D)

% = Father (↑) + → Male

& → Brother (↔) - → Female

$S \rightarrow \text{Son} (\downarrow)$

$I \& G \% H \& K$

G^+

\downarrow

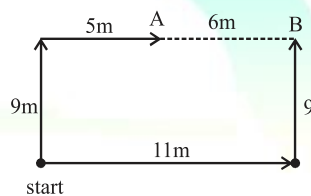
$I^+ \leftrightarrow H^+ \leftrightarrow K$

I, H, K are siblings

47. Two A and B girls start from the same point A walks 9m North, then turns to her right and walks 5m. At the same time, B Walks 11m East, the turns to his left and walks 9m. Where is B now with respect to the position of A ?

- (A) B is 6m to the East of A
(B) B is 16m to the East of A
(C) B is 6m to the West of A
(D) B is 16m to the West of A

Sol. (A)



B is 6 m east of A

48. In the question two statements are given, followed by two conclusions, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statement 1: No wood is bamboo

Statement 2: No bamboo is strong.

Conclusion I: No wood is strong.

Conclusion II: All strong things are wood.

- (A) Only conclusion I follows

(B) Only conclusion II follows

(C) neither I nor II follows

(D) Either I nor II follows

Sol. (D)



Conclusion 1 : False

Conclusion II : False

either I or II follows

49. In the question a statement is given, followed by two arguments, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given arguments, if any, is a strong argument.

Statement: Should high tax rates be imposed on businesses?

Argument I: No, high taxes discourage investments, thus reducing jobs and development.

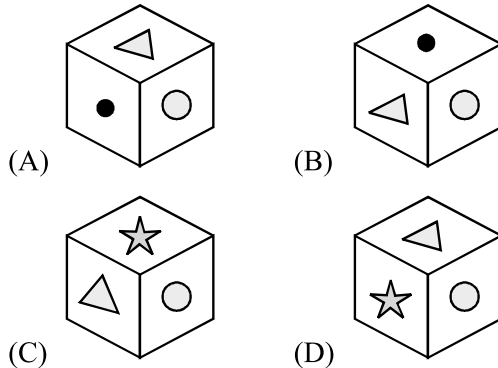
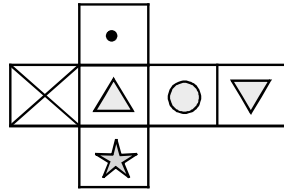
Argument II: yes, some businesses use clever accounting to save tax, so higher taxes will be a good counter measure.

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

Sol. (C)

Only 1 argument is strong

50. Which of the following cube in the answer figure cannot be made based on the unfolded cube in the question figure?



Sol. (C)

$\square \leftrightarrow \star$ are opposite pair so they will never be on neighbor side.

51. If $v < y$, $x < y$, $w < z$ and $z > y$, which of the following is true?

I. $z > v$

II. $w > v$

III. $x < z$

(A) II only

(B) III only

(C) II and III only

(D) I and III only

Sol. (C)

$V < y$

$x < y$

$w < z$

$z > y$

by combining

$Z > w$

$Z > y > V$

$y > x$

Conclusion 1, $Z > v$ True

Conclusion 2, $W > V$ False

Conclusion 3 $x < z$ True

52. The weights of five boxes are 10, 30, 50, 70 & 80 kilograms. Which of the following cannot be the total weight, in kilograms, of any combination of these boxes ?

(A) 160

(B) 220

(C) 180

(D) 150

Sol. (B)

$10 + 30 + 50 + 70 + 80 = 240$

$240 - 160 = 80 \rightarrow \text{present}$

$240 - 220 = 20 \rightarrow \text{Present}$

$240 - 180 = 60 = (50 + 10) \rightarrow \text{present}$

$240 - 150 = 90 = (50 + 30 + 10) \rightarrow \text{present}$

53. If A @ B means A is mother of B, A # B means A is sister of B and A!B means A is daughter of B, then what does P # Q only one child?

(A) R is mother of P

(B) Q is sister of S

(C) S is mother of P

(D) P is sister of S

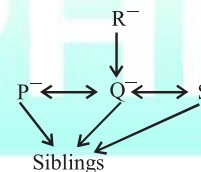
Sol. (D)

@ \rightarrow Mother (\uparrow)

\rightarrow sister (\leftrightarrow)

! \rightarrow daughter (\downarrow)

P # Q ! R @ S

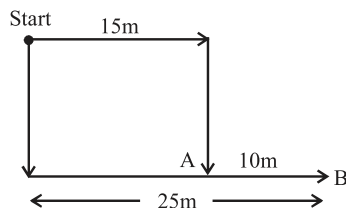


54. Two people A and B start walking from the same point. A walks 15m East, then turns south and walks 5m. At the same time, B walks 5m South, then he turns to his left and walks 25m.

Where is B now with respect to the position of A ?

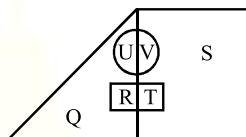
- (A) B is 35m to the East of A
- (B) B is 10m to the East of A
- (C) B is 10m to the West of A
- (D) B is 35m to the West of A

Sol. (B)



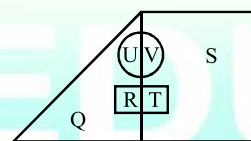
B is 10 m east of A.

55. In the following figure, square represents boys, triangle represents girls, circle represents cricket players and rectangle represents hockey players. Which set of letters represents girls who do not play hockey and boys who do not play cricket ?



- (A) U, R, S and T
- (B) U, Q, T and S
- (C) R, V, Q and U
- (D) V, S, R and T

Sol. (B)



4, Q, T, S

56. In the given series one word/one term/one number is missing. Select the correct alternative from the given ones that will complete the series.

2.5, 13/6, 11/6, ____, 7/6

- (A) 2
- (B) 5/3
- (C) 1.5
- (D) 4/3

Sol. (C)

$$2.5 = \frac{5}{2} = \frac{15}{6}$$

$$\frac{15}{6}, \frac{13}{6}, \frac{11}{6}, \frac{9}{6}, \frac{7}{6}$$

$$\frac{9}{6} = \frac{3}{2} = 1.5$$

57. In the given series one word/one term/one number is missing. Select the correct alternative from the given ones that will complete the series.

101, 103, 107, 109, 113, ____.

- (A) 121
- (B) 123
- (C) 127
- (D) 119

Sol. (C)

101 103 107 109 113 127

Series of prime number.

58. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix – I are numbered from 0 to 4 and that of Matrix – II are numbered from 5 to 9. A letter of these matrices can be represented by first by its row and next by its column, for example 'N' can be represented by 00, 12 etc and 'A' can be represented by 95, 76 etc. Similarly, you have to identify the set for the word 'TYRES'.

Matrix – I

	0	1	2	3	4
0	N	V	P	R	W
1	X	T	N	Y	V
2	Z	P	S	X	Q
3	U	Z	X	W	U
4	Y	Y	R	N	R

Matrix – II

	5	6	7	8	9
5	J	I	C	E	J
6	G	G	A	L	I
7	F	C	J	K	D
8	E	M	K	J	H
9	C	L	E	A	E

Sol. (C)

11	41	44	85	22
↓	↓	↓	↓	↓
T	Y	R	E	S

59. If $x < y$, $w > x$ and $w < z$, which of the following must be true?

I. $y < w$

II. $z < x$

(A) Neither I nor II (B) Only I

(C) Only II (D) Both I and II

Sol. (A)

$Z > W > x < y$

I) $y < w \rightarrow$ can't determine

II) $z < x \rightarrow$ false

Both conclusion are wrong

60. The weights of five boxes are 20, 40, 40, 70 & 90 kilograms. Which of the following cannot be the total weight, in kilograms, of any combination of these boxes ?

(A) 190

(B) 180

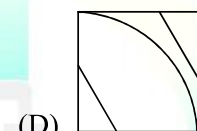
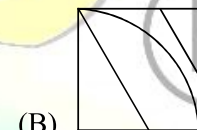
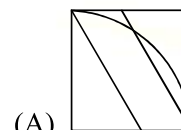
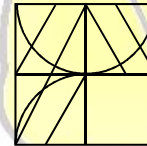
(C) 210

(D) 170

Sol. (C)

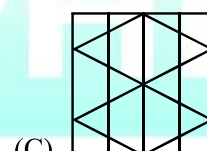
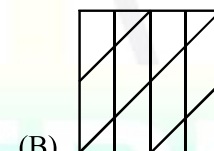
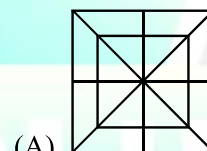
210 \rightarrow can't be formed

61. Which answer figure will complete the pattern in the question figure?



Sol. (A)

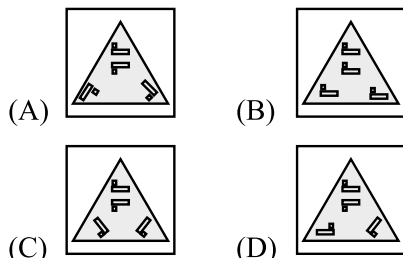
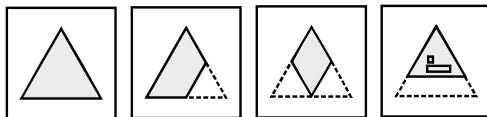
62. From the given answer figures, select the one in which the question figure is hidden/embedded.



Sol. (A)

63. A piece of paper is folded and punched as shown below in the question figures. From the

given answer figures, indicate how it will appear when opened.



Sol. (A)

64. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of Matrix-I are numbered from 0 to 4 and that of Matrix – II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example ‘U’ can be represented by 30, 41 etc and ‘E’ can be represented by 85, 67 etc. Similarly, you have to identify the set for the word ‘SWORD’.

Matrix – I

	0	1	2	3	4
0	S	S	Z	V	R
1	R	Z	R	R	Z
2	P	T	O	Y	P
3	U	P	U	U	W
4	O	U	X	Z	X

Matrix – II

	5	6	7	8	9
5	J	F	M	I	E
6	M	M	E	E	M
7	D	G	B	L	C
8	E	C	H	H	J
9	C	H	K	M	K

- (A) 40,31,41,68,01 (B) 23,95,14,20,79
(C) 11,41,44,85,22 (D) 01,34,22,10,75

Sol. (D)

01, 34, 22, 10, 75
↓ ↓ ↓ ↓ ↓
S W O R D

65. Select the related word/letters/number from the given alternatives.

224 : 112 :: 326 : ?

- (A) 189 (B) 146
(C) 163 (D) 176

Sol. (C)

$$\frac{224}{2} = 112$$

$$\frac{326}{2} = 163$$

66. Select the related word/letters/number from the given alternatives.

586 : 364 :: 824 : ?

- (A) 520 (B) 740
(C) 442 (D) 602

Sol. (D)

$$\begin{array}{ccc} 5 & 8 & 6 \\ -2 \downarrow & -2 \downarrow & -2 \downarrow \\ 3 & 6 & 4 \end{array}$$

$$\begin{array}{ccc} 8 & 2 & 4 \\ -2 \downarrow & -2 \downarrow & -2 \downarrow \\ 6 & 0 & 2 \end{array}$$

67. If the letters E,D,X,S,P & O are numbered 1,2,3,4,5,& 6 respectively. Select that

combination of numbers so that letters arranged accordingly, form a meaningful word.

- (A) 3532143 (B) 1356412
(C) 6121341 (D) 4321242

Sol. (B)

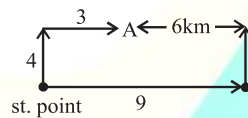
E	D	X	S	P	O
↓	↓	↓	↓	↓	↓
1	2	3	4	5	6

E	X	P	O	S	E	D
1	2	3	6	4	1	2

- 68.** Two persons A and B start from the same point. A walks 4m North, then turns to his right and walks 3m. At the same time, B has walked 9m East, then he turned to his left and walked 4 m. Where is B now with respect to the position of A ?

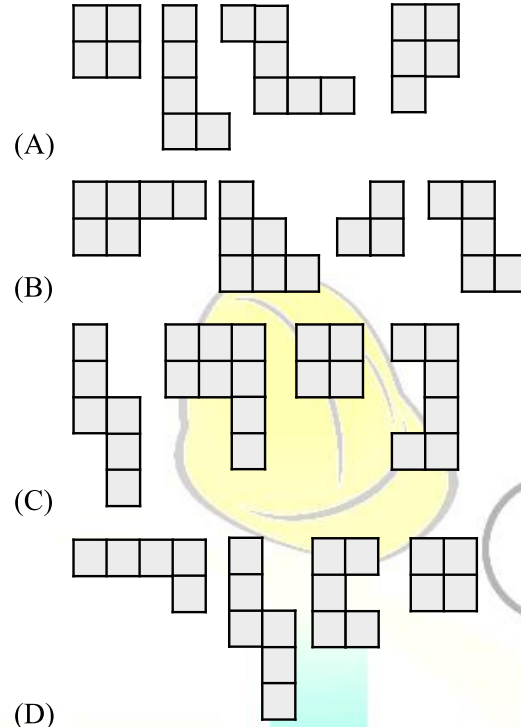
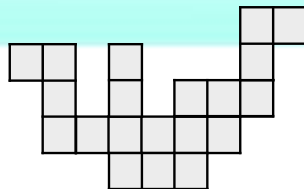
- (A) B is 6m to the East of A
(B) B is 12m to the East of A
(C) B is 6m to the West of A
(D) B is 12m to the West of A

Sol.(A)



B is 6 km east of A

- 69.** Which of the following answer figure patterns can be combined to make the question figure?



Sol. (B)

No of blocks are same

- 70.** In the question two statements are given, followed by two conclusions, I and II. you have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statement 1: Some apples are green.

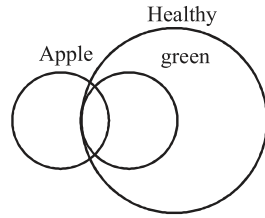
Statement 2: All green things are healthy.

Conclusion I: Some apples are healthy

Conclusion II: No apples are healthy.

- (A) Only conclusion I follows
(B) Either I or II follows
(C) Only conclusion I follows
(D) Neither I nor II follows

Sol.(C)



Conclusion I – True

Conclusion II - False

71. In the question a statement is given, followed by two arguments, I and II. you have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given arguments, if any, is a strong argument.

Statement: Should learning self defense be made compulsory for girl argument.

Argument I: No, there is a risk that they will misuse these skills to bully others.

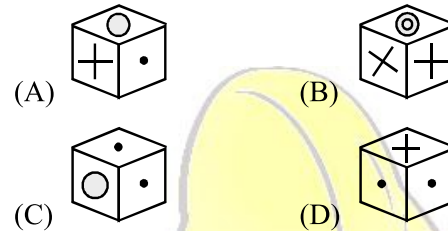
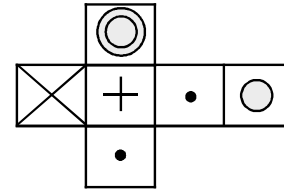
Argument II: Yes, in an environment where cases of assault on women are increasing, self defense training becomes one essential part of women safety & II.

- (A) If only argument II is strong
- (B) if only argument I is strong
- (C) If neither argument I nor II is strong
- (D) If both argument I and II are strong

Sol.(A)

Argument II is strong

72. Which of the following cube in the answer figure cannot be made based on the unfolded cube in the question figure ?



Sol. (A)

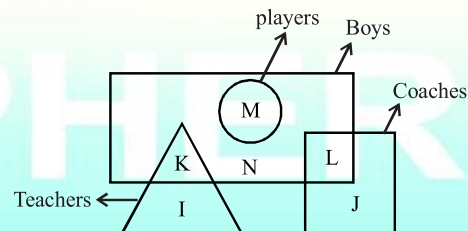
as \square and \bullet are opposite pair, so they never be an neighbor faces.

73. In the following figure, square represents coaches, triangle represents teachers, circle represents players and rectangle represents boys. Which set of letters represents boys who are not players and teachers who are not boys?



- (A) K, M, N and L
- (B) I, K, N and N
- (C) J, K, N and L
- (D) K, N, L and I

Sol.(D)



Boys who are not players = K, N, L

Teachers who are not Boys : I

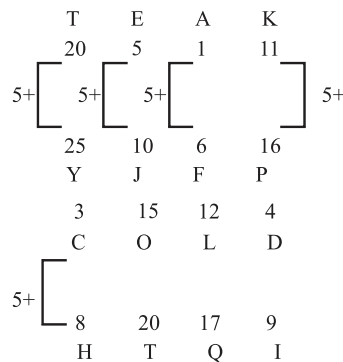
So (d) K, N, L, I

74. In the following question, select the related letter from the given alternatives.

TEAK : VJFP :: COLD : ?

- (A) SLQI (B) NPCB
(C) FDHA (D) HTQI

Sol. (D)

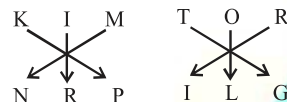


75. In the following question, select the related letters from the given alternatives.

KIM : NRP :: TOR : ?

- (A) ILG (B) FLG
(C) MOG (D) GHL

Sol. (A)

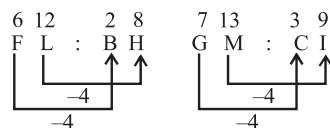


76. In the following question, select the related letters from the given alternatives.

FL : BH :: GM : ?

- (A) DJ (B) CI
(C) LF (D) QS

Sol. (B)



77. In the following question, select the related number from the given alternatives.

15 : 32 :: 19 : ?

- (A) 40 (B) 54
(C) 38 (D) 46

Sol. (A) & (B)

$$15 \times 2 + 2 = 32$$

$$19 \times 2 + 2 = 40$$

78. In the following question, select the related number from the given alternatives.

14 : 41 :: 29 : ?

- (A) 48 (B) 56
(C) 63 (D) 77

Sol. (B)

$$14 + 27 = 41$$

$$29 + 27 = 56$$

79. If A * B means A is mother of B, A + B means A is sister of B and If A % B means A is daughter of B, then what does C * D + E % F mean ?

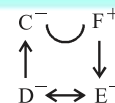
- (A) C is E's mother
(B) C is E's sister
(C) C is daughter of E
(D) C is E's mother's mother

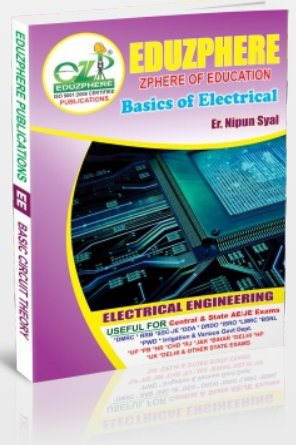
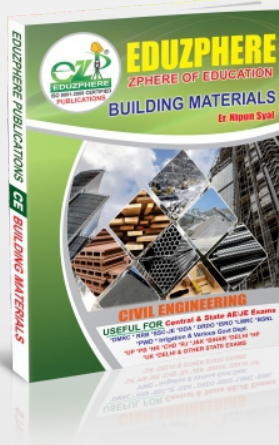
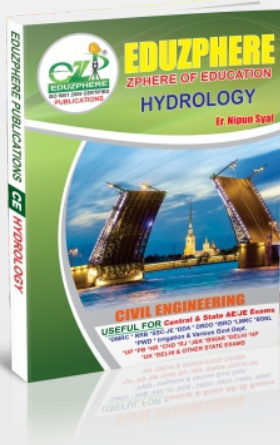
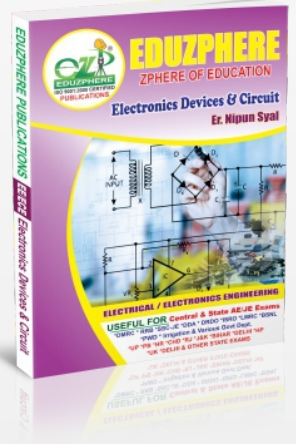
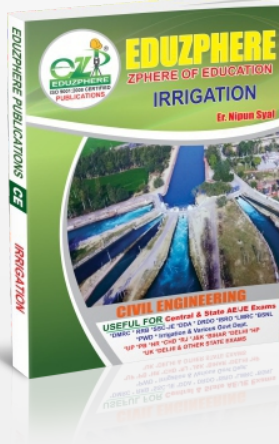
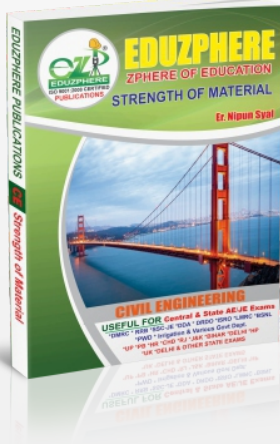
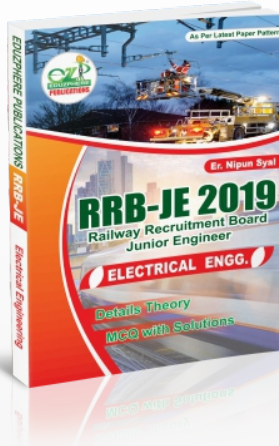
Sol. (A)

* → Mother

+ → Sister

% → daughter





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