

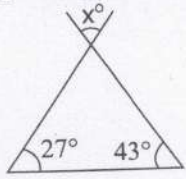
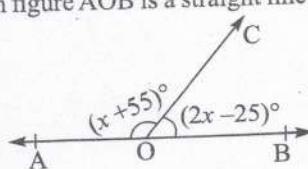
CUET General Test Solved Paper-2022

Held on 18 Aug. 2022

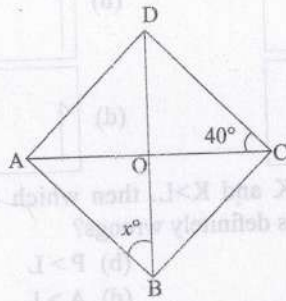
Numerical Ability & Quantitative Reasoning

- HCF of first five odd natural numbers is:
 - 5
 - 3
 - 2
 - 1
- The value of $4 - 3 \div 3 + 5$
 - 5
 - 0
 - 7
 - 8
- Common factor of $2a^2b$, $4ab^2$, $6ac^2$
 - $2ab$
 - $2a$
 - $2abc$
 - $2b$
- The average of 3 consecutive odd numbers is 65. What is the ratio of these numbers?
 - 61:63:65
 - 59:61:63
 - 63:65:67
 - 65:67:69
- The sum of the ages of father and his son is 45 years. Five years ago, the product of their ages was 34. The age of father is:
 - 40 years
 - 45 years
 - 39 years
 - 38 years
- Sum of the ages of 4 children born at the intervals of 4 years each is 52 years. What is the age of the eldest one?
 - 7 years
 - 14 years
 - 19 years
 - 24 years
- What is the value of x , if $x\%$ of $142 + 30\%$ of $280 = 368$
 - 150
 - 200
 - 175
 - 225
- If 0.03 is $X\%$ of 0.3, then the value of X is:
 - 30
 - 10
 - 3
 - 9
- Simple interest of ₹ 9000 at 5% per annum for 6 months is:-
 - ₹ 235
 - ₹ 245
 - ₹ 205
 - ₹ 225
- A can complete a work in 16 days. B can complete the same work in 8 days. If both of them come together, then in how many days can they complete the same work?
 - $2\frac{1}{3}$ days
 - $5\frac{1}{3}$ days
 - $7\frac{1}{3}$ days
 - $6\frac{1}{3}$ days
- A train 420 m long passes a pole in 20 seconds. What is the speed of the train?
 - 20 m/s
 - 22 m/s
 - 21 m/s
 - 24 m/s
- If 900 m long train crosses 700 m long platform in 1 minute, then speed of the train in kilometer per hour is:
 - $\frac{80}{3}$ km/h
 - 96 km/h
 - 15 km/h
 - $\frac{35}{3}$ km/h
- If $x^2 + 9y^2 - 6xy = 0$, then $x : y$ is equal to:
 - 3:2
 - 1:3
 - 3:1
 - 2:3
- In the formula "Work = $Fs \cos \theta$ ", if angle θ between force and displacement is more than 90° , the net work done will be:
 - Double
 - Positive but not double
 - Negative
 - Zero
- The factors of $4x^2 - 8x + 3$ are
 - $(2x - 3)(2x + 1)$
 - $(2x + 3)(2x - 1)$
 - $(2x + 3)(2x + 1)$
 - $(2x - 3)(2x - 1)$
- If the edge of a cube is 17 cm, then the volume is:
 - 4813 cm^3
 - 4913 cm^3
 - 4713 cm^3
 - 5913 cm^3
- If the base radius of a cone is 7 cm and height of it is 14 cm, then:
 - Slant height = $6\sqrt{5}$ cm
 - Slant height = $7\sqrt{5}$ cm
 - Volume = 718.67 cm^3
 - Volume = 708.66 cm^3
 - Ratio of height and slant height = $2 : \sqrt{5}$

Choose the correct answer from the options given below:

 - A, C and D only
 - B, C and E only
 - B and C only
 - A, C and E only
- Value of x in the given figure is:
 
 - 43°
 - 27°
 - 70°
 - 110°
- In the given figure AOB is a straight line, the value of x is:
 
 - 60
 - 70
 - 50
 - 45

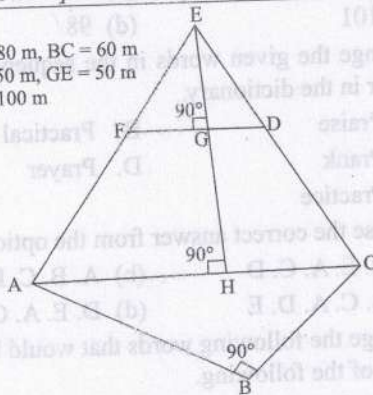
20. In the given figure ABCD is a rhombus. it $\angle ACD = 40^\circ$, then x is:



- (a) 50° (b) 40° (c) 60° (d) 90°

DIRECTIONS: Please read the following the information carefully and answer question no from 21 to 23.

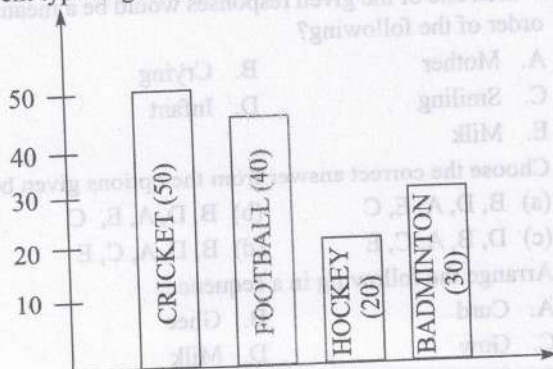
AB = 80 m, BC = 60 m
DF = 50 m, GE = 50 m
HE = 100 m



21. Area of the triangular region FDE is :
(a) 1000 m^2 (b) 1250 m^2
(c) 2400 m^2 (d) 1600 m^2
22. Area of region ACDF is:
(a) 3750 m^2 (b) 3500 m^2
(c) 3250 m^2 (d) 3000 m^2
23. Area of whole figure is:
(a) 7000 m^2 (b) 7200 m^2
(c) 7400 m^2 (d) 7500 m^2

DIRECTIONS: Please read the following carefully and answer question no. from 24 to 26

The following bar graph shows the interest of 140 students in different type of games.



24. Percentage of students who are interested in cricket and hockey.

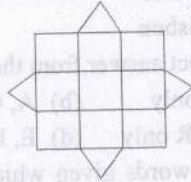
- (a) 40% (b) 33%
(c) 50% (d) 36%

25. How many more students are interested in football than badminton?
(a) 15 (b) 30
(c) 20 (d) 10
26. Number of students who are not interested in cricket and football is.
(a) 90 (b) 70
(c) 50 (d) 80

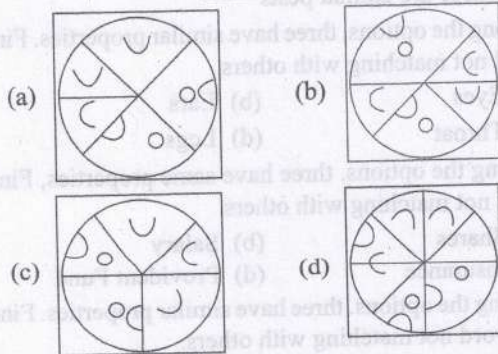
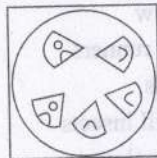
General Mental Ability & Logical and Analytical Reasoning

27. The best description of the following terms is:
Magenta : Sea green : Turquoise
(a) They are marine creatures
(b) They are migratory birds
(c) They are precious and semi precious stones
(d) They are colours
28. From the following pairs, select the combination of right pair.
A. USA : Washington. D.C
B. Japan : Moscow
C. Italy : Rome
D. Canada : Madrid
E. Portugal : Lisbon
Choose the correct answer from the options given below:
(a) B, C and D only (b) A, C and E only
(c) C, A and D, R only (d) E, B and C only
29. There are three words given which have something in common among themselves. Out of the four options, choose the most appropriate description about these words.
Gnu : Emu : Curlew
(a) These are fast runners
(b) These are birds
(c) These are small insects
(d) These are animal pests
30. Among the options, three have similar properties. Find the word not matching with others.
(a) Eyes (b) Ears
(c) Throat (d) Legs
31. Among the options, three have same properties, Find the word not matching with others.
(a) Shares (b) Salary
(c) Insurance (d) Provident Fund
32. Among the options, three have similar properties. Find out the word not matching with others.
(a) Pallavas (b) Cheras
(c) Cholas (d) Chandelas
33. Among the four options, three have same properties. Find the odd one out.

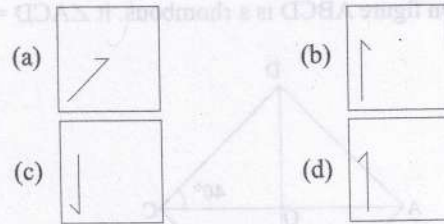
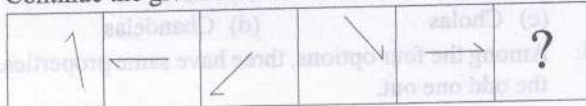
- (a) Quart (b) Foot
(c) Yard (d) Inch
34. If NIGHT can be coded as 29. 19. 15. 17, 41. then 'COLD' will be coded as:
(a) 7, 25, 31, 9 (b) 7, 31, 25, 9
(c) 7, 9, 31, 25 (d) 7, 27, 31, 11
35. Which letter is exactly midway between G and Q if English alphabets are written in order?
(a) K (b) L
(c) M (d) N
36. P introduces K saying, 'He is the husband of the grand daughter of the father of my father.' How is K related to P?
(a) Brother (b) Son-in-Law
(c) Brother-in-Law (d) Son
37. Pointing out a picture of old man. Deepak said, "His son is my son's uncle". How is the old man related to Deepak?
(a) Uncle (b) Grandfather
(c) Brother (d) Father
38. Mita goes towards North, turn right, then right again and then goes to the left. In which direction is she now?
(a) East (b) West
(c) North (d) South
39. Find the number of squares



- (a) 9 (b) 12 (c) 14 (d) 16
40. Which figure can be formed by the given set of pieces?



41. Continue the given series and find for ? the right option.



42. If $A > R$, $P > K$ and $K > L$, then which of the following conclusion is definitely wrong?
(a) $A > K$ (b) $P > L$
(c) $L > P$ (d) $A > L$
43. If A means '+', B means '×', C means '÷' and D means '-', then find the value of $17A12B20C5D15 = ?$
(a) 50 (b) 42
(c) 101 (d) 98
44. Arrange the given words in the sequence in which they occur in the dictionary.
A. Praise B. Practical
C. Prank D. Prayer
E. Practice
- Choose the correct answer from the options given below:
(a) B. E. A. C. D (b) A. B. C. D. E
(c) B. C. A. D. E (d) D. E. A. C. B
45. Arrange the following words that would be a meaningful order of the following.
A. Heel B. Skull
C. Shoulder D. Thigh
E. Stomach
- Choose the correct answer from the options given below:
(a) B, C, E, D, A (b) B, E, C, D, A
(c) B, C, D, E, A (d) C, B, D, E, A
46. Which one of the given responses would be a meaningful order of the following words?
A. Income B. Education
C. Fame D. Employment
- Choose the correct answer from the options given below:
(a) B, A, C, D (b) B, A, D, C
(c) B, D, A, C (d) A, B, C, D
47. Which one of the given responses would be a meaningful order of the following?
A. Mother B. Crying
C. Smiling D. Infant
E. Milk
- Choose the correct answer from the options given below:
(a) B, D, A, E, C (b) B, D, A, E, C
(c) D, B, A, C, E (d) B, D, A, C, E
48. Arrange the following in a sequence.
A. Curd B. Ghee
C. Gow D. Milk
E. Butter

Choose the correct answer from the options given below:

- (a) C, D, A, B, E (b) D, C, B, A, E
(c) C, D, A, E, B (d) C, D, E, A, B

49. Which of the following diagram best depicts the relationship between Pen. Pencil. Eraser?



Choose the correct answer from the options given below:

- (a) A (b) B
(c) C (d) D

50. Which one of the following diagram best depicts the relationship among Planets, Saturn and Sun?

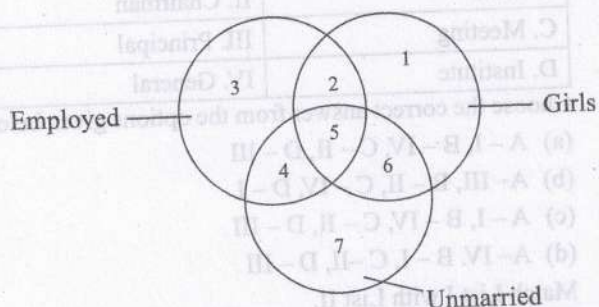


Choose the correct answer from the options given below;

- (a) A (b) B
(c) C (d) D

DIRECTION: Read the following details carefully for questions from 51 to 54.

Given below is the diagram with numbers for shapes representing employed, girls and unmarried.



51. Identify the region representing girls who are employed but unmarried.
(a) 1 (b) 2
(c) 4 (d) 5
52. Identify the region representing girls who are employed.
(a) 1 (b) 2
(c) 4 (d) 5
53. Identify the region representing girls who are unmarried.
(a) 3 (b) 2
(c) 6 (d) 1
54. Identify the region representing the group who are employed as well as unmarried.

- (a) 1 (b) 3
(c) 4 (d) 5

General Knowledge & Current Affairs

55. Match List I with List II.

List I	List II
A. Right to Education	I. 2005
B. Serv Shiksha Abhiyan	II. 2020
C. Right to Information	III. 2001
D. National Education Policy	IV. 2009

Choose the correct answer from the options given below :

- (a) A - IV, B - III, C - I, D - II
(b) A - IV, B - I, C - III, D - II
(c) A - I, B - II, C - IV, D - III
(d) A - I, B - III, C - IV, D - II

56. Arrange the following rulers in the chronological order:

- A. Qutub-ud-in-Aibak B. Mohd. Ghor
C. Timur D. Ghiyasuddin Tughlaq
E. Jalaluddin Firuz Khalji

Choose the correct answer from the options given below:

- (a) A, D, B, C, E (b) A, B, D, E, C
(c) B, A, E, D, C (d) B, D, E, A, C

57. Harshvardhana was defeated by

- (a) Prabhakaravardhana
(b) Pulakesin II
(c) Narasimhasvarma Pallava
(d) Sasanka

58. Match List I with List II.

List I	List II
A. Asia	I. Island
B. Greenland	II. Ocean
C. Pacific	III. Country
D. Russia	IV. Continent

Choose the correct answer from the options given below :

- (a) A - I, B - III, C - IV, D - II
(b) A - I, B - III, C - II, D - IV
(c) A - I, B - IV, C - II, D - III
(d) A - IV, B - I, C - II, D - III

59. Match List I with List II.

List I	List II
A. Narmada	I. Yamunotri
B. Tapti	II. Triambakeshwar
C. Godavari	III. Multai
D. Yamuna	IV. Amarkantak

Choose the correct answer from the options given below :

- (a) A-IV, B-III, C-I, D-II
(b) A-III, B-IV, C-II, D-I
(c) A-IV, B-III, C-II, D-I
(d) A-II, B-III, C-IV, D-I

60. Who was elected as the president of the Constituent Assembly of India in 1946?
- (a) Dr. S. Radhakrishnan
(b) Dr. Bhimrao Ramji Ambedkar
(c) Dr. Rajendra Prasad
(d) Pt. Jawaharlal Nehru

61. The first woman Prime Minister of India was:
- (a) Margaret Thatcher (b) Indira Gandhi
(c) Sirimavo Bandarnaike (d) Benazir Bhutto

62. Match list I with list II.

List I	List II
A Ornithology	I. Earthquakes
B. Seismology	II. Soil
C. Pedology	III. Moon
D. Selenography	IV Bird

Choose the correct answer from the options given below:

- (a) A – IV, B – I, C – II, D – III
(b) A – I, B – II, C – III, D – IV
(c) A – II, B – I, C – III, D – IV
(d) A – III, B – II, C – I, D – IV
63. Isobars have:
- (a) Same number of protons
(b) Same atomic number
(c) Same number of Electrons
(d) Same mass number
64. The time taken by moonlight to reach the Earth is:
- (a) 8 seconds (b) 2.6 seconds
(c) 4.3 seconds (d) 1.3 seconds
65. Which of the following disease is not caused due to bacteria?
- (a) Tuberculosis (TB) (b) Polio
(c) Cholera (d) Typhoid
66. Which unit of a computer performs all logical and arithmetical operations?
- (a) ALU (b) OU
(c) CU (d) IU
67. In terms of Purchasing Power Parity (PPP), the place of the economy of India is _____ in the world.
- (a) 3rd (b) 4th
(c) 5th (d) 6th
68. The book titled 'Human Rights and Terrorism in India' is authored by:
- (a) Satvinder Juss (b) Subramanian Swamy
(c) V.R. Krishna Iyer (d) Karel Vasak
69. In India, the 'Antyodaya Diwas' is observed every year on September 25, to mark the birth anniversary of:
- (a) Pandit Madan Mohan Malviya
(b) Pandit Jawahar Lal Nehru
(c) Pandit Deendayal Upadhyay
(d) Pandit Ravishankar Prasad
70. Each year the International Day of Peace' is observed around the world on:
- (a) 20 April (b) 25 May
(c) 20 August (d) 21 September

71. Which district has become the first district in the entire country with a population of more than 10 lakh to inoculate 100% eligible population with the first dose of Covid-19 vaccine?

- (a) Indore, Madhya Pradesh
(b) Prayagraj, Uttar Pradesh
(c) Bhopal, Madhya Pradesh
(d) Varanasi, Uttar Pradesh

72. World football body, FIFA' has unveiled the official mascot of the U-17 Women's World Cup India 2022 "IBHA" an Asiatic lioness representing:

- (a) Enlightenment
(b) Gender Equality
(c) Sustainable Development
(d) Women Empowerment

73. Match List I with List II.

List I	List II
A. Donald	I. Novel
B. Holmes	II. Adventure
C. Robinson	III. Comedy
D Premchand	IV Suspense

Choose the correct answer from the options given below :

- (a) A – II, B – III, C – IV, D – I
(b) A – III, B – IV, C – II, D – I
(c) A – I, B – II, C – III, D – IV
(d) A – IV, B – III, C – I, D – II

74. Match List I with List II.

List I	List II
A. Army	I. Captain
B Team	II. Chairman
C. Meeting	III. Principal
D. Institute	IV. General

Choose the correct answer from the options given below :

- (a) A – I, B – IV, C – II, D – III
(b) A – III, B – II, C – IV, D – I
(c) A – I, B – IV, C – II, D – III
(d) A – IV, B – I, C – II, D – III

75. Match List I with List II.

List I	List II
A. City of Golden Gate	I. Washington DC
B. City of Magnificent Buildings	II. Kolkata
C. City of Palaces	III. Rome
D. City of Seven Hills	IV. San Francisco

Choose the correct answer from the options given below :

- (a) A – IV, B – I, C – II, D – III
(b) A – III, B – IV, C – I, D – II
(c) A – IV, B – II, C – III, D – I
(d) A – I, B – III, C – IV, D – II

Hints & Explanations

1. (d) First five odd natural numbers are 1, 3, 5, 7, 9. HCF is the highest common factor of these numbers.

Hence, HCF is 1.

2. (d) $4 - 3 + 3 + 5 = 4 - 1 + 5$
 $\Rightarrow 9 - 1 = 8$

3. (b) Factor of $2a^2b = 2 \times a \times a \times b$
 Factor of $4ab^2 = 2 \times 2 \times a \times b \times b$
 Factor of $6ac^2 = 2 \times 3 \times a \times c \times c$
 Hence, common factor = $2 \times a = 2a$

4. (c) Let three consecutive odd numbers are $x, x+2, x+4$.
 According to question,

$$\frac{x+x+2+x+4}{3} = 65$$

$$\Rightarrow 3x+6=195 \Rightarrow 3x=195-6=189$$

$$\Rightarrow x = \frac{189}{3} = 63$$

Hence, ratio of three numbers = $63 : 65 : 67$

5. (c) 'If the age of father' is x years and age of son is y years.
 According to question,

$$x+y=45 \quad \dots(i)$$

$$(x-5)(y-5)=34$$

$$\Rightarrow xy-5x-5y+25=34$$

$$\Rightarrow xy-5(x+y)=34-25=9$$

$$\Rightarrow xy=9+5 \times 45 \text{ [From eqn. (i)]}$$

$$\Rightarrow xy=234 \quad \dots(ii)$$

From eqn (i) and (ii)

$$\frac{234}{y} + y = 45$$

$$\Rightarrow y^2 - 45y + 234 = 0$$

$$\Rightarrow y^2 - 39y - 6y + 234 = 0$$

$$\Rightarrow y(y-39) - 6(y-39) = 0$$

$$\Rightarrow y = 39, 6 \text{ (very less age)}$$

Hence, father's age is 39 years.

6. (c) Let age of four children are $x, x+4, x+8$ and $x+12$ years.

According to question,

$$x+x+4+x+8+x+12=52$$

$$\Rightarrow 4x=52-24=28 \Rightarrow x=\frac{28}{4}=7$$

Hence age of the eldest one = $7+12=19$ years

7. (b) $\frac{x}{100} \times 142 + \frac{30}{100} \times 280 = 368$

$$\Rightarrow 142x + 8400 = 368 \times 100 = 36800$$

$$\Rightarrow 142x = 36800 - 8400 = 28400$$

$$\Rightarrow x = \frac{28400}{142} = 200$$

8. (b) $\frac{x}{100} \times 0.3 = 0.03$

$$\Rightarrow x = \frac{0.03}{0.3} \times 100 = \frac{3}{100} \times \frac{10}{3} \times 100$$

$$\Rightarrow x = 10\%$$

9. (d) Simple Interest = $\frac{P \times R \times T}{100}$

$$= \frac{9000 \times 5 \times \frac{6}{12}}{100}$$

$$\frac{90 \times 5}{2} = \text{Rs. } 225$$

10. (b) A's one day work = $\frac{1}{16}$

$$\text{B's one day work} = \frac{1}{8}$$

$$\therefore (A+B)'s \text{ one day work} = \frac{1}{16} + \frac{1}{8} = \frac{3}{16}$$

Hence, A and B together complete the same work in

$$= \frac{16}{3} = 5\frac{1}{3} \text{ days}$$

11. (c) Train's speed = $\frac{\text{Length of train}}{\text{Time taken to pass pole}}$

$$= \frac{420}{20} = 21 \text{ m/s}$$

12. (b) Total Length = $900 + 700 = 1600 \text{ m}$
 Time = $1 \text{ min} = 60 \text{ sec}$

$$\text{Hence, speed of train} = \frac{1600}{60} = \frac{160}{6} \text{ m/s}$$

$$= \frac{160}{6} \times \frac{18}{5} = 32 \times 3 = 96 \text{ km/hr.}$$

13. (c) $x^2 + 9y^2 - 6xy = 0$

$$\Rightarrow x^2 + (3y)^2 - 2 \times x \times 3y = 0$$

$$\Rightarrow (x-3y)^2 = 0 \text{ [} \because a^2 - 2ab + b^2 = (a-b)^2 \text{]}$$

$$\Rightarrow x-3y=0$$

$$\Rightarrow x=3y$$

$$\Rightarrow \frac{x}{y} = \frac{3}{1}$$

Hence, $x : y = 3 : 1$

14. (c)

15. (d) $4x^2 - 8x + 3$

$$= 4x^2 - 6x - 2x + 3$$

$$= 2x(2x-3) - 1(2x-3)$$

$$= (2x-1)(2x-3)$$

16. (b) Volume of the cube = (Edge)
- ³

$$= (17)^3 = 4913 \text{ cm}^3$$

17. (b) Cone's radius (r) = 7 cm
-
- Cone's height (h) = 14 cm

$$\therefore \text{Slant height } (l) = \sqrt{(r)^2 + (h)^2} = \sqrt{(7)^2 + (14)^2}$$

$$= 7\sqrt{5} \text{ cm.}$$

$$\text{And, volume of cone} = \frac{1}{3} \pi r^2 h = \frac{1}{3} \times \frac{22}{7} \times 7 \times 7 \times 14$$

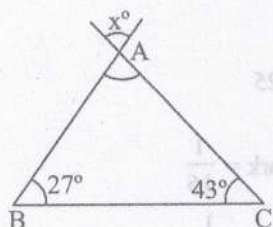
$$= \frac{2156}{3} = 718.67 \text{ cm}^3$$

Ratio of height and slant height

$$= \frac{h}{l} = \frac{14}{7\sqrt{5}} \Rightarrow 2 : \sqrt{5}$$

Hence, only B, C and E are the correct answer.

18. (d)

In $\triangle ABC$,

$$\angle A + \angle B + \angle C = 180^\circ$$

$$\Rightarrow \angle A + 27 + 43 = 180^\circ \Rightarrow \angle A = 180 - 70 = 110^\circ$$

$$\therefore \angle A = \angle x^\circ (\because \text{vertical opposite angle})$$

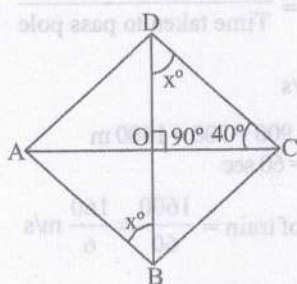
$$\therefore \angle x = 110^\circ$$

19. (c)
- $(x + 55)^\circ + (2x - 25)^\circ = 180^\circ$
- [Supplementary Angle]

$$\Rightarrow 3x + 30^\circ = 180^\circ$$

$$\Rightarrow 3x = 180 - 30 = 150 \Rightarrow x = \frac{150}{3} = 50$$

20. (a)



$$\angle ABD = \angle CDB \text{ (Alternative angle)}$$

Diagonals of Rhombus are perpendicular.

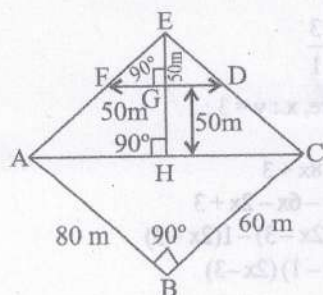
$$\therefore \angle DOC = 90^\circ$$

In $\triangle COD$,

$$\angle D + \angle O + \angle C = 180^\circ$$

$$\Rightarrow x^\circ + 90^\circ + 40^\circ = 180^\circ \Rightarrow x = 180 - 130 = 50^\circ$$

Sol. (21-23):



21. (b) Area of triangular region FDE =
- $\frac{1}{2} \times \text{Base} \times \text{Height}$

$$= \frac{1}{2} \times 50 \times 50 = 1250 \text{ m}^2$$

22. (a) In
- $\triangle ABC$
- ,
-
- $(AC)^2 = (AB)^2 + (BC)^2$
- [By Pythagoras theorem]

$$\Rightarrow (AC)^2 = (80)^2 + (60)^2 = 10000$$

$$\Rightarrow AC = \sqrt{10000} = 100 \text{ m}$$

 $\therefore$ Region ACDF is a trapezium shape region.

$$\text{Hence, area of region ACDF} = \frac{1}{2} \times [S_1 + S_2] \times H$$

$$= \frac{1}{2} \times [DF + AC] \times HG$$

$$= \frac{1}{2} \times [50 + 100] \times 50$$

$$= 3750 \text{ m}^2$$

23. (c) Area of whole figure = Area of
- $\triangle FDE$
- + Area of region ACDF + Area of
- $\triangle ABC$

$$= 1250 + 3750 + \frac{1}{2} \times 80 \times 60$$

$$= 5000 + 2400$$

$$= 7400 \text{ m}^2$$

24. (c) Total students = 140

Students who are interested in Cricket and Hockey

$$= 50 + 20 = 70$$

$$\text{Hence, required percentage} = \frac{70}{140} \times 100 = 50\%$$

25. (d) Required more students interested in Football than Badminton are =
- $40 - 30 = 10$

26. (c) Number of students who are not interested in Cricket and Football =
- $140 - (50 + 40) = 50$

27. (a) They are colours.

28. (b) Country and Capital.

29. (b) These are birds.

30. (c) Except throat, rest are in pair.

31. (b) Except salary, rest are terms related to the investment of money.

32. (d) Except Chandela were associated with ancient kingdoms in Southern India.

33. (a) Except quart, rest are measurement units of length

34. (b) As,
- $N \rightarrow 14 \times 2 + 1 = 29$

$$I \rightarrow 9 \times 2 + 1 = 19$$

$$G \rightarrow 7 \times 2 + 1 = 15$$

$$H \rightarrow 8 \times 2 + 1 = 17$$

$$T \rightarrow 20 \times 2 + 1 = 41$$

$$C \rightarrow 3 \times 2 + 1 = 7$$

$$O \rightarrow 15 \times 2 + 1 = 31$$

$$\text{Similarly, } L \rightarrow 12 \times 2 + 1 = 25$$

$$D \rightarrow 4 \times 2 + 1 = 9$$

35. (b) G, H, I, J, K, (L), M, N, O, P, Q

Hence, letter 'L' is exactly midway between G and Q.

36. (c) Father (+)

P's Father (+)

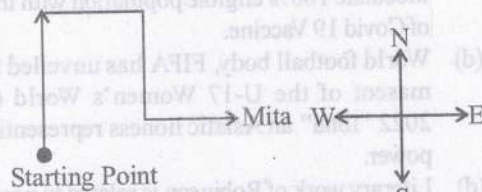
P — Grand daughter (–) — K (+)

Hence, K is brother-in-law of P.

37. (d) Old man (+) — Old man's son (+) — Deepak —
Deepak's son (+)

Hence, old man is father of Deepak.

38. (a)



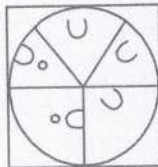
39. (c) Single box square = 9

Four box square = 4

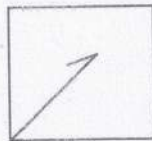
Nine box square = 1

Hence, the number of squares = 9 + 4 + 1 = 14

40. (c)



41. (a) Given figure changes its place in anti clock-wise direction by 45° angle.



42. (c) A > P > K > L

L > P is wrong because in P > K > L, P > L.

43. (a) $17 + 12 \times 20 \div 5 - 15$

$$= 17 + 12 \times 4 - 15$$

$$= 48 + 12$$

$$= 50$$

44. (a) P words sequence according to dictionary:

Practical (B) = 1

Practice (E) = 2

Praise (A) = 3

Prank (C) = 4

Prayer (D) = 5

45. (a) Given words are body parts, so arrange these parts top to bottom—

Skull (B), Shoulder (C), Stomach (E), Thigh (D), Heel (A)

46. (c) Meaningful order of given words:

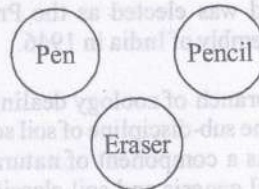
Education (B) → Employment (D) → Income (A) → Fame (C)

47. (a) Meaningful order of given words:

Crying (B) → Infant (D) → Mother (A) → Milk (E) → Smiling (C)

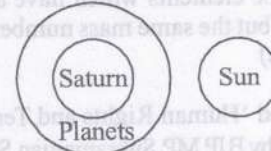
48. (c) Cow (c) → Milk (D) → Curd (A) → Butter (E) → Ghee (B)

49. (c)

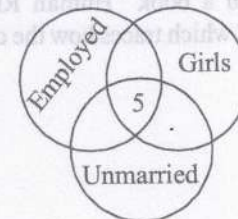


Hence, she is now in East direction.

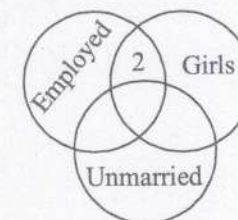
50. (d)



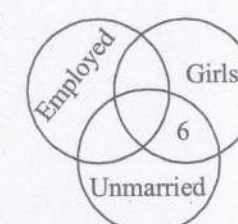
51. (d)



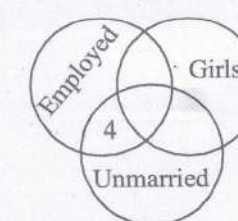
52. (b)



53. (c)



54. (c)



55. (a) Right to Education act was passed in 2009 & Right to information act was passed in 2005.
56. (c)
57. (b) Pulakeshin II defeated Harshavardhana on the banks of Narmada in the winter of 618-619. Pulakeshin II entered into a treaty with Harshavardhana, with the Narmada River designated as the border between the Chalukya Empire and that of Harshavardhana. The defeat of Harshavardhana marked the end of the Pushyabhuti dynasty.
58. (d)
59. (c)
60. (c) Rajendra Prasad was elected as the President of Constituent Assembly of India in 1946.
61. (b)
62. (a) Ornithology, a branch of zoology dealing with the study of birds. The sub-discipline of soil science that studies soils as a component of natural systems or deals with soil genesis and soil classification or studies the soil profile or solum in its natural setting.
63. (d) Isobars are those elements which have a different atomic number but the same mass number.
64. (d)
65. (b)
66. (a)
67. (a)
68. (b) A book has titled 'Human Rights and Terrorism in India' authored by BJP MP Subramanian Swamy. He has come out with a book "Human Rights and Terrorism in India" which traces how the combating of terrorism can be harmonised with human and fundamental rights within reasonable restrictions that are permitted by the Constitution and upheld by the Supreme Court.
69. (c) Antyodaya Diwas is celebrated annually in honour of the late Pandit Deen Dayal Upadhyaya. Every year, Antyodaya Diwas is celebrated in India on September 25 to mark the birth anniversary of Pandit Deendayal Upadhyaya and remember his life and legacy.
70. (d) The International Day of Peace was established in 1981 by the United Nations General Assembly. Two decades later, in 2001, the General Assembly unanimously voted to designate the Day as a period of non-violence and cease-fire.
71. (a) Indore district has become the first district in the entire country with a population of more than 10 lakh to inoculate 100% eligible population with the first dose of Covid 19 Vaccine.
72. (d) World football body, FIFA has unveiled the official mascot of the U-17 Women's World Cup India 2022 "Ibha" an Asiatic lioness representing women power.
73. (d) Literary work of Robinson is related to novel. Holmes is related to fictional detective.
74. (d)
75. (a)



41. (a) Given figure changes its place in anti clock-wise direction by 45° angle.



42. (c) $A > P > K > L$
 $L > P$ is wrong because in $P > K > L$, $P > L$

43. (a) $17 + 12 \times 20 = 2 - 13$
 $= 17 + 12 \times 4 - 13$
 $= 48 + 12$
 $= 60$

44. (a) P words sequence according to dictionary
 Practical (P) = 1
 Practice (P) = 2
 Prank (P) = 3
 Prank (P) = 4
 Prank (P) = 5