GENERAL INTELLIGENCE

Directions. Q. 1–5: Find from the given options which will replace the question mark

1.   18, 27,6, 9, 2, 3, ?
  A) 1   **B)** 1/3
  C) 2/3   **D)** 1/2

2.   3, 8, 11, 19, 30, 49, ?
  A) 87   **B)** 79
  C) 77   **D)** 73

3.   3, 6, 12, 15, 30, 33, ?
  A) 60   **B)** 50
  C) 44   **D)** 66

4.   21, 30, 38, ?, 51, 56, 60
  A) 45   **B)** 35
  C) 65   **D)** 55

5.   6, 24, 60, 120, ?
  A) 180   **B)** 110
  C) 210   **D)** 220

Directions. Q. 6&7: Find the odd one out in the following questions.

6.   **A) Nagpur**   **B) Varanasi**
  C) Mathura   **D) Haridwar**

7.   **A) Cycle**   **B) Scooter**
 **C) Car**   **D) Tonga**

Directions. Q. 8–10: A cube is coloured red on one face, green on the opposite face, and yellow on the another face, and blue on a face adjacent to the yellow face. The other two are left uncoloured. It is then cut into 125 smaller pieces. Now answer the following questions on the above statements.

8.   **How many cubes are coloured red on one face and have the remaining faces uncoloured?**

  A) 8   **B)** 10
  C) 12   **D)** 16

9.   **How many cubes have at lest one green face ?**
  A) 4   **B)** 5
  C) 16   **D)** 25

10.   **How many cubes have at least two coloured faces ?**
  A) 23   **B)** 21
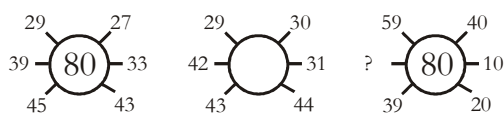 **C)** 20   **D)** 19

Directions. Q.11–13: Study the diagrams given and find the correct diagram that best represents the word sets given in the following sections.
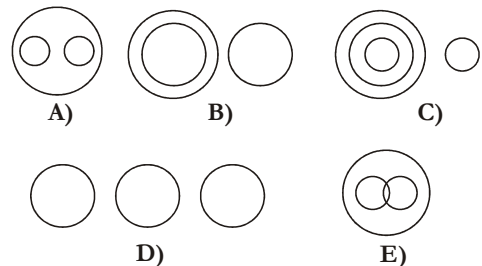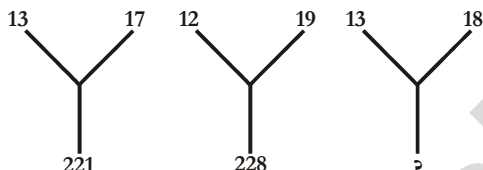

11.   **History, Geography, Economics**

  A)   **B)**   **C)**   **D)**

12.   **Social Science, Psycholoy, Physics**

  A)   **B)**   **C)**   **D)**

13.   **Physics, Mechanics, Statics**

  A)   **B)**   **C)**   **D)**

1

Directions. Q. 14–16: Which number will come in place of the question-mark ?

14. BD_3 CE_5DF_{15}

EG_2 DH_4 GI_{12}

HJ_4IK_6 ?

A) IJ_9 B) JL_{18}

C) JK_{18} D) JL_9

15.

A) 69   B) 49

C) 50   D) 60

16.

A) 31   B) 229

C) 234   D) 312

Directions.Q. 17 - 19: In the following questions, a letter series is given which has some blanks. Which set of letters when placed consecutively one after another in the blanks shall complete the series ?

17. **-sr-tr-srs-r-srst-**

A) ttssrr   B) tsrtsr

C) strtrs   D) tstttr

18. **aa-bbb-ccaaab-bc-c**

A) bccc   B) bbcc

C) ccbb   D) acbc

19. **bc-bbc-bbc-bb-bb**

A) cbbb   B) bcbc

C) bbbc   D) bccb

20. **Introducing a man to her husband, a woman said his brother's father is the only son of my grandfather. How is the woman related to this man?**
A) Mother   B) Aunt
C) Sister   D) Daughter

21. **P is brother of Q, R is sister of Q. How is P related to R ?**
A) Uncle
B) Data inadequate
C) Brother
D) Sister

Directions. Q. 22-24: Considering the relationship between the terms of first pair, give the word/letters, with same relationship, missing in the second pair.

22. **Culprit: Crime: : Judge: ?**
A) Court   B) Case
C) Law   D) Verdict

23. **ACEG : DFHJ : : ? :ZXVT**
A) WUSQ   B) SQOM
C) USQO   D) YWUS

24. **KcaC: CacK : : XgmF : ?**
A) GmeF   B) FmgX
C) EgmX   D) EmgF

**Directions. Q. 25&26:** Which one is different from the rest of the four?

25. A) 24   B) 60
C) 124   D) 210

26. A) A   B) U
C) Y   D) O

27. **If ' × ' stands for ' + ', ' ÷ ' for ' – ', ' – ' for ' × ' and ' + ' for ' ÷ ', find the value of the following equation:**
54 ÷ 16 – 3 × 6 + 2 = ?
A) 9   B) 12
C) 8   D) 15

Directions. Q.28&29: Study the given information carefully and answer the questions that follow. There are six flats on a floor in two rows facing North and South allotted to six persons P, Q, R, S, T and U. The position of their flats is as follows.

I. **Q's flat faces the North and is not next to S.**

II. **S and U have occupied diagonally opposite flats.**

III. **R, next to U, occupies a flat facing the South and T gets a flat which faces the North.**

28. **Whose flat is between Q and S ?**

   A) P   **B)** R

   C) T   **D)** U

29. **The flats of which pair other than that of SU are diagonally opposite to each other ?**

   A) RT   **B)** PT

   C) QP   **D)** TU

Directions: Q. 30-35: In the following questions there is definite relationship between the first and the second figures on the left. Which one of the Answer Figures should come in place of the question mark if the relation between the remaining two figures on the left is the same as between first two figures?
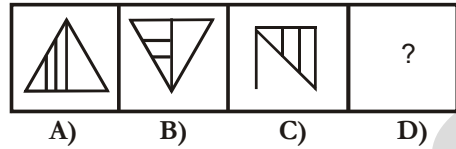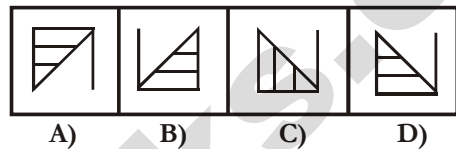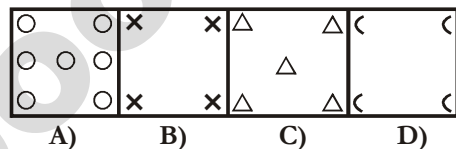
30. **Problem Figures:**

A)   B)   C)   D)

Answer Figures:

A)   B)   C)   D)
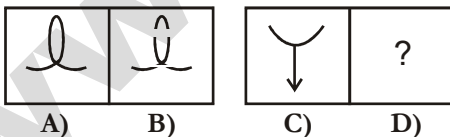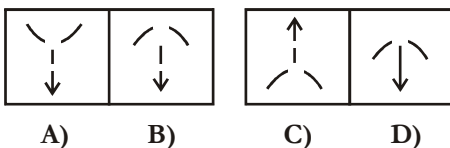
31. **Problem Figures:**

A)   B)   C)   D)

Answer Figures:

A)   B)   C)   D)

32. **Problem Figures:**

A)   B)   C)   D)

Answer Figures:

A)   B)   C)   D)
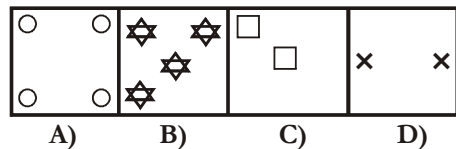
33. **Problem Figures:**

A)   B)   C)   D)

Answer Figures:

A)   B)   C)   D)

3
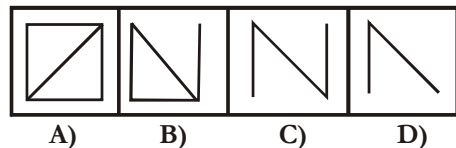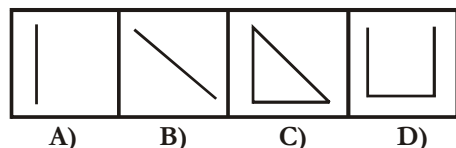
34. Problem Figures:

A)   B)   C)   D)

Answer Figures:

A)   B)   C)   D)
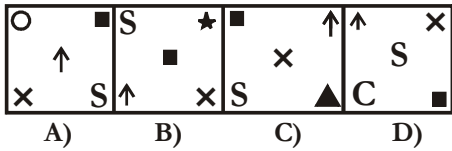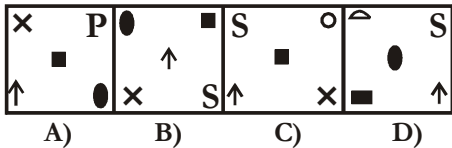
35. Problem Figures:

A)   B)   C)   D)

Answer Figures

A)   B)   C)   D)
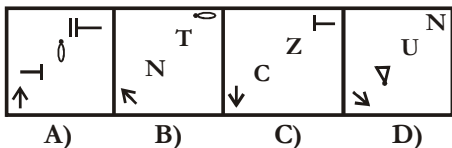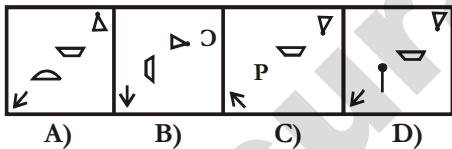
Directions. Q.36: In the following question, a related pair of figures (unnumbered) is followed by four numbered pairs of figures. Out of these four, three have relationship similar to that in the unnumbered pair. Only one pair of figure does not have similar relationship. Select that pair of figures which does not have a similar relationship to that in the unnumbered pair. Number of that is your answer.
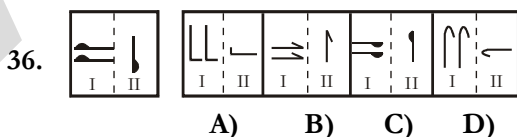
36.

A)   B)   C)   D)

Directions. Q. 37-39: In these questions there is a statement followed by two assumptions. labelled I and II. Choose your answer as

    A) if only II is a possible assumption.

    B) if only I is a possible assumption.

    C) if both I and II are possible assumptions.

    D) if neither I nor II is an assumption.

37. Statement :

Simple people equate the symbol with what it stands for.

Assumptions:

I. Symbols stand for things.

II. Simple people are fools.

A)   B)   C)   D)

38. Statement:

We must be prepared to meet any eventuality without losing our faith in peace.

Assumptions:

I. We have faith in peace.

II. There is a possibility of eventuality.

A)   B)   C)   D)

39. Statement: The noblest external aid to happiness is friendship Assumptions :

I. There are many external aids to happiness.

II. Man craves for happiness,

A)   B)   C)   D)

Directions. Q. 40-41: What number should replace the question mark ?

40. 3829 : 517

7416 : 810 5348 : ?

    A) 911   **B)** 902

    C) 713   **D)** 812

41. 1, 4, 6, 14, 26, 54, ?

    A) 108   **B)** 80

    C) 106   **D)** 110

4

Directions. Q. 42-43: Answer these questions with reference to the information given below.

Sweety, Ramesh and Shivender are children of Mr. and Mrs. Agnihotri.

Rima, Raju and Sunil are children of Mr. and Mrs. Malhotra.

Sunil and Sweety are married and have two children named Amar and Sonu.

Geetika and Rahul are children of Mr. and Mrs. Chopra.

Geetika is married to Shivender and has three children named Rita, Sanjay and Ravi.

42. How is Rahul related to Shivender ?
A) Cousin　　　　B) Uncle
C) Brother　　　　D) Brother-in-law

43. What is the surname of Sonu ?
A) Malhotra　　　B) Agnihotri
C) Chopra　　　　D) None of these

Directions. Q.44-45: Find out the coding system in each of these questions and choose the correct answer.

44. If TRAIN = 6, AEROPLANE = 10, STATION= 8, then REFRESHMENT =?
A) 12　　　　　　B) 9
C) 14　　　　　　D) 24

45. In a certain code QUESTION is written as NXBVQLLQ· How will REPLY be coded ?
A) VHSOB　　　　B) OBMVI
C) OHMOV　　　　D) YHMOV

Directions. Q.46-48: Find out the wrong number in the series given below:

46. 1, 2, 6, 21, 86, 445, 2676
A) 6　　　　　　　B) 86
C) 445　　　　　　D) 2676
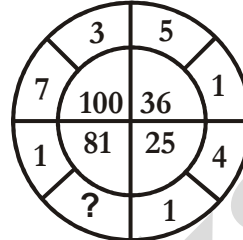
47. 8, 6, 100 : 5, 3, 34 : 2, 1, 6
A) 34　　　　　　B) 100
C) 5　　　　　　　D) 6

48. 3, 5, 10, 12, 24, 26, 48, 54
A) 12　　　　　　B) 24
C) 26　　　　　　D) 48

Directions. Q. 49&50: Find out the missing number in the following figures.

49.

A) 7　　　　　　　B) 9
C) 8　　　　　　　D) 6

50.

A) 6　　　　　　　B) 5
C) 8　　　　　　　D) 9

Directions (51-57) : In each of the following questions, select the related word/letter/number/figure from the given alternatives.

51. Saint: Meditation :: Scientist?
A) Research　　　B) Knowledge
C) Spiritual　　　D) Rational

52. King: Palace :: Eskimo: ?
A) Caravan　　　　B) Asylum
C) Monastery　　　D) Igloo

53. AFKP: DINS :: WBGL : ?
A) ORUX　　　　B) OSWA
C) OTYD　　　　D) OQSU

54. SINGER: QGLECP :: MONSTER: ?
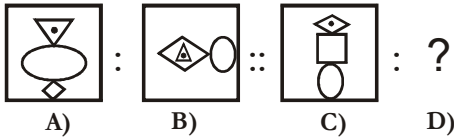A) KLNSCP　　　B) KLMSCP
C) KMLQRCP　　　D) KLMTDO

55. 18: 5 :: 12 : ?
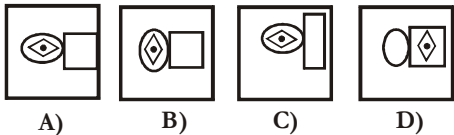A) 4　　　　　　　B) 10
C) 3　　　　　　　D) 6

56. 12 : 20 :: ?

A) 15 : 37   C) 16 : 64

B) 27 : 48   D) 30 : 42

57. Question Figures

: :: :: ?

A)   B)   C)   D)

Answer Figures

A)   B)   C)   D)

58. In the following question number of letters skipped in between adjacent letters in the series increased by one. Which of the following series observe the rule ?

A) KORYBGJ   B) LMEYTPK

C) KMPTYEL   D) KPTYELM

59. In the following letter series how many Ms are following by N, but not preceded by N?

NMWVMNMVWNMN MMNWVMN

A) 1   B) 2

C) 3   D) 4

Directions (60-64) : In each of the following questions, find the odd word/letters/number pair/figure from the given alternatives.

60. A) Tennis   B) Cricket

C) Volleyball   D) Football

61. A) artificial   B) insincere

C) affected   D) naive

62. A) 68   B) 85

C) 153   D) 174

63. A) 7 : 98   B) 9 : 162

C) 12 : 288   D) 17 : 572

64.

A)   B)   C)   D)
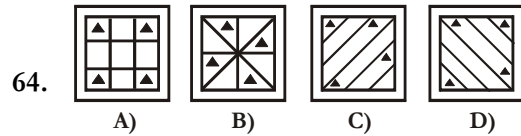
65. Which one of the given responses would be a meaningful order of the following ?

1. Orange   2. Indigo

3. Red   4. Blue

5. Green   6. Yellow

7. Violet

A) 7, 2, 4, 5, 6, 1, 3

B) 7, 2, 4, 6, 5, 1, 3

C) 7, 2, 6, 4, 5, 1, 3

C) 7, 2, 6, 4, 1, 5, 3

66. Arrange the following words as per order in the dictionary.

1. Forecast   2. Forget

3. Foreign   4. Forsook

5. Force

A) 3, 5, 1, 2, 4   B) 5, 1, 3, 2, 4

C) 5, 1, 3, 4, 2   D) 5, 1, 2, 3, 4

67. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it ?

r t x _ s x _ z _ t x y_ _ y z

A) y y r x s   B) y y s x r

C) y y r s x   D) y y x r s

Directions (68-71) : In each of the following questions, a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

68. FAG, GAF, HAl, IAH, ?

A) JAK   B) HAK

C) JAI   D) HAL

69. 3, 6, 9, 15, 24, 39, 63, ?

A) 100   B) 87

C) 102   D) 99

70. –1, 0, ?, 8, 15, 24

A) 4   B) 3

C) 2   D) 1

6

71. Question Figures
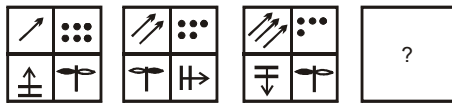
Answer Figures
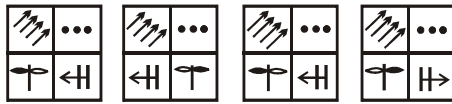

72. Govind is 48 years old. He is twice as old as his son Prem is now. How old was Prem seven years before ?
A) 16 B) 17
C) 13 D) 18

73. Pointing to a man, a lady said, "His mother is the only daughter of my mother". How is the lady related to the man?
A) Mother B) Daughter
C) Sister D) Aunt

74. Five policemen are standing in a row facing south. Shekhar is to the immediate right of Dhanush. Bala is between Basha and Dhanush. David is at the extreme right end of the row. Who is standing in the middle of the row ?
A) Bala B) Basha
C) Shekhar D) Dhanush

75. From the given alternatives select the word which can be formed using the letters given in the word.

ULTRANATIONALISM
A) ULTRAMONTANE
B) ULTRAMODERN
C) ULTRAIST
D) ULULATE

76. From the given alternatives select the word which cannot be formed using the letters of the given word.

LEGALIZATION
A) ALERT B) ALEGATION
C) GALLANT D) NATAL

77. In a certain code DEPUTATION is written as ONTADEPUTI. How is DERIVATION written in that code?
A) ONVADERITI
B) ONDEVARITI
C) ONVAEDIRTI
D) ONVADEIRIT

78. If MADRAS is coded as 517916 and TENANT is coded as 432124, how would you encode RMATSN ?
A) 851353 B) 951363
C) 951462 D) 941562

79. Find the missing number from the given responses.
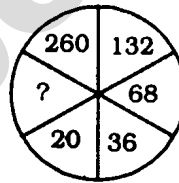
A) 12 B) 10
C) 9 D) 8

80. If ' – ' stands for ' + ', ' + ' stands for ' × ', ' × ' stands for ' – ' then which one of the following is not correct ?
A) 22 + 7 – 3 × 9 = 148
B) 33 × 5 – 10 + 20 = 228
C) 7 + 28 – 3 × 52 = 127
D) 44 – 9 + 6 × 11 = 87

81. Some equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis.

5 * 6 = 35, 8 * 4 = 28, 6 * 8 = ?
A) 46 B) 34
C) 23 D) 38

82. Select the correct combination of mathematical signs to replace * signs and to balance the following equation.

12 * 3 * 4 = 6 * 8 * 8
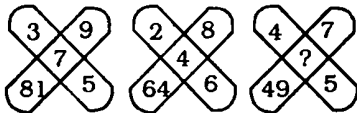
A) +, ×, –, × B) ×, +, –, ×
C) ×, +, ×, – D) ×, –, ×, +

Directions (83 & 84) : In each of the following questions, select the missing number from the given responses.

83.

| 7	9	8
2	4	3
5	7	6
16	32	?

A) 17 B) 23
C) 47 D) 73

84.

A) 1 B) 8
C) 6 D) 16

85. A person walks towards his house at 8 : 00 am and observed his shadow to his right. In which direction he is walking?

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

86. A boat moves from a jetty towards East. After sailing for 9 nautical miles, she turns towards right and covers another 12 nautical miles. If she wants to go back to the jetty what is the shortest distance now from her present position?

A) 21 nautical miles
B) 20 nautical miles
C) 18 nautical miles
D) 15 nautical miles

87. Find out the number of triangles in the given figure.
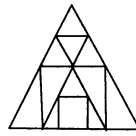
A) 13 B) 15
C) 16 D) 17

88. Four positions of a dice are given below. Identify the number at the bottom when top is 6.

Question Figures
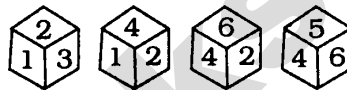
A) 1 B) 3
C) 4 D) 5

89. Identify the diagram that best represents the relationship among classes given below : Food, Curd, Spoons

A)   B)

C)   D)

90. In the following figure, the boys who are cricketer and sober are indicated by which number?
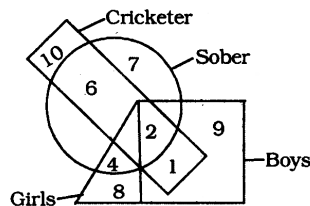
A) 6 B) 5
C) 4 D) 2

Directions (91 & 92) : In each of the following questions, some statements are given following by three/two conclusions/assumptions respectively. You have to consider the statements to be true even if they seem to be at variance from

ANSWERS

1. (C)	2. (B)	3. (D)	4. (A)	5. (C)	6. (A)	7. (D)	8. (D)	9. (B)	10. (B)
11. (D)	12. (D)	13. (B)	14. (B)	15. (A)	16. (C)	17. (D)	18. (D)	19. (C)	20. (C)
21. (C)	22. (D)	23. (A)	24. (B)	25. (C)	26. (C)	27. (A)	28. (C)	29. (C)	30. (A)
31. (B)	32. (C)	33. (B)	34. (B)	35. (B)	36. (B)	37. (B)	38. (C)	39. (C)	40. (A)
41. (C)	42. (D)	43. (A)	44. (A)	45. (C)	46. (B)	47. (D)	48. (D)	49. (C)	50. (A)
51. (A)	52. (D)	53. (C)	54. (C)	55. (C)	56. (D)	57. (A)	58. (C)	59. (C)	60. (A)
61. (D)	62. (D)	63. (D)	64. (C)	65. (A)	66. (B)	67. (C)	68. (A)	69. (C)	70. (B)
71. (C)	72. (B)	73. (A)	74. (D)	75. (C)	76. (A)	77. (A)	78. (C)	79. (A)	80. (C)
81. (A)	82. (C)	83. (B)	84. (C)	85. (B)	86. (D)	87. (C)	88. (A)	89. (D)	90. (D)
91. (C)	92. (A)	93. (B)	94. (B)	95. (B)	96. (C)	97. (B)	98. (B)	99. (C)	100. (A)
101. (C)	102. (D)	103. (D)	104. (D)	105. (A)	106. (C)	107. (D)	108. (C)	109. (A)	110. (B)
111. (C)	112. (C)	113. (B)	114. (D)	115. (C)	116. (D)	117. (B)	118. (D)	119. (C)	120. (C)
121. (A)	122. (D)	123. (B)	124. (C)	125. (D)	126. (A)	127. (C)	128. (D)	129. (C)	130. (C)
131. (A)	132. (D)	133. (A)	134. (C)	135. (B)	136. (D)	137. (C)	138. (A)	139. (D)	140. (A)
141. (A)	142. (B)	143. (A)	144. (D)	145. (D)	146. (C)	147. (B)	148. (D)	149. (B)	150. (A)
151. (B)	152. (D)	153. (C)	154. (A)	155. (D)	156. (C)	157. (C)	158. (C)	159. (D)	160. (D)
161. (D)	162. (B)	163. (A)	164. (C)	165. (C)	166. (D)	167. (B)	168. (D)	169. (C)	170. (B)
171. (D)	172. (D)	173. (B)	174. (C)	175. (B)	176. (D)	177. (D)	178. (C)	179. (D)	180. (C)
181. (A)	182. (A)	183. (A)	184. (D)	185. (C)	186. (B)	187. (D)	188. (B)	189. (A)	190. (A)
191. (D)	192. (C)	193. (D)	194. (B)	195. (B)	196. (A)	197. (A)	198. (B)	199. (B)	200. (C)
201. (D)	202. (B)	203. (D)	204. (C)	205. (D)	206. (C)	207. (C)	208. (D)	209. (C)	210. (A)
211. (A)	212. (B)	213. (D)	214. (A)	215. (B)	216. (B)	217. (C)	218. (B)	219. (A)	220. (B)
221. (B)	222. (C)	223. (A)	224. (D)	225. (D)	226. (B)	227. (B)	228. (D)	229. (D)	230. (D)
231. (B)	232. (B)	233. (A)	234. (B)	235. (B)	236. (D)	237. (A)	238. (C)	239. (C)	240. (D)
241. (A)	242. (A)	243. (B)	244. (B)	245. (A)	246. (C)	247. (B)	248. (B)	249. (A)	250. (B)
251. (C)	252. (D)	253. (A)	254. (C)	255. (D)	256. (C)	257. (B)	258. (D)	259. (B)	260. (D)
261. (D)	262. (B)	263. (C)	264. (D)	265. (C)	266. (C)	267. (C)	268. (D)	269. (C)	270. (C)
271. (B)	272. (B)	273. (C)	274. (B)	275. (A)	276. (C)	277. (C)	278. (D)	279. (B)	280. (A)
281. (D)	282. (B)	283. (D)	284. (D)	285. (C)	286. (D)	287. (C)	288. (D)	289. (C)	290. (B)
291. (A)	292. (A)	293. (A)	294. (D)	295. (A)	296. (B)	297. (C)	298. (D)	299. (D)	300. (D)
301. (B)	302. (C)	303. (C)	304. (C)	305. (C)	306. (C)	307. (D)	308. (C)	309. (C)	310. (C)
311. (B)	312. (B)	313. (D)	314. (B)	315. (A)	316. (D)	317. (C)	318. (C)	319. (D)	320. (B)

321. (C) 322. (A) 323. (A) 324. (A) 325. (D) 326. (D) 327. (D) 328. (A) 329. (D) 330. (C)

331. (B) 332. (B) 333. (B) 334. (B) 335. (A) 336. (D) 337. (D) 338. (C) 339. (C) 340. (B)

341. (D) 342. (B) 343. (D) 344. (D) 345. (D) 346. (A) 347. (B) 348. (A) 349. (B) 350. (B)

351. (C) 352. (B) 353. (C) 354. (D) 355. (D) 356. (B) 357. (C) 358. (C) 359. (D) 360. (C)

361. (B) 362. (B) 363. (A) 364. (A) 365. (C) 366. (B) 367. (C) 368. (C) 369. (D) 370. (A)

371. (C) 372. (B) 373. (B) 374. (C) 375. (D) 376. (B) 377. (C) 378. (B) 379. (C) 380. (B)

381. (D) 382. (C) 383. (B) 384. (C) 385. (D) 386. (B) 387. (C) 388. (B) 389. (B) 390. (C)

391. (B) 392. (C) 393. (A) 394. (A) 395. (A) 396. (B) 397. (C) 398. (C) 399. (A) 400. (B)

401. (A) 402. (D) 403. (A) 404. (C) 405. (D) 406. (A) 407. (B) 408. (C) 409. (B) 410. (B)

411. (C) 412. (A) 413. (D) 414. (A) 415. (D) 416. (C) 417. (D) 418. (D) 419. (B) 420. (A)

421. (A) 422. (D) 423. (A) 424. (C) 425. (A) 426. (D) 427. (C) 428. (B) 429. (A) 430. (B)

431. (C) 432. (D) 433. (C) 434. (C) 435. (B) 436. (None) 437. (C) 438. (A) 439. (D) 440. (B)

441. (D) 442. (C) 443. (B) 444. (D) 445. (A) 446. (D) 447. (C) 448. (D) 449. (B) 450. (C)

451. (C) 452. (C) 453. (B) 454. (C) 455. (A) 456. (B) 457. (B) 458. (A) 459. (B) 460. (C)

461. (A) 462. (C) 463. (A) 464. (C) 465. (A) 466. (B) 467. (A) 468. (D) 469. (B) 470. (C)

471. (C) 472. (B) 473. (B) 474. (C) 475. (B) 476. (C) 477. (B) 478. (A) 479. (D) 480. (C)

481. (B) 482. (A) 483. (C) 484. (B) 485. (B) 486. (B) 487. (C) 488. (D) 489. (C) 490. (A)

491. (D) 492. (A) 493. (D) 494. (D) 495. (C) 496. (*) 497. (B) 498. (D) 499. (A) 500. (A)

501. (C) 502. (A) 503. (C) 504. (C) 505. (D) 506. (D) 507. (C) 508. (D) 509. (C) 510. (B)

511. (A) 512. (B) 513. (D) 514. (B) 515. (C) 516. (C) 517. (B) 518. (D) 519. (B) 520. (B)

521. (B) 522. (D) 523. (A) 524. (B) 525. (C) 526. (C) 527. (B) 528. (A) 529. (A) 530. (B)

531. (A) 532. (B) 533. (A) 534. (B) 535. (C) 536. (D) 537. (B) 538. (C) 539. (D) 540. (B)

541. (D) 542. (D) 543. (C) 544. (C) 545. (B) 546. (C) 547. (C) 548. (C) 549. (B) 550. (A)

551. (C) 552. (C) 553. (A) 554. (C) 555. (C) 556. (C) 557. (D) 558. (B) 559. (B) 560. (B)

561. (A) 562. (A) 563. (A) 564. (D) 565. (B) 566. (C) 567. (C) 568. (D) 569. (C) 570. (B)

571. (A) 572. (D) 573. (D) 574. (D) 575. (A) 576. (D) 577. (B) 578. (B) 579. (D) 580. (C)

581. (D) 582. (D) 583. (A) 584. (B) 585. (A) 586. (C) 587. (B) 588. (D) 589. (D) 590. (B)

591. (A) 592. (A) 593. (C) 594. (D) 595. (B) 596. (A) 597. (A) 598. (B) 599. (A) 600. (D)

601. (B) 602. (C) 603. (D) 604. (A) 605. (A) 606. (B) 607. (D) 608. (B) 609. (B) 610. (B)

611. (B) 612. (C) 613. (D) 614. (D) 615. (A) 616. (B) 617. (D) 618. (C) 619. (C) 620. (C)

621. (A) 622. (C) 623. (D) 624. (A) 625. (C) 626. (C) 627. (C) 628. (D) 629. (B) 630. (A)

631. (D) 632. (B) 633. (C) 634. (A) 635. (C)

EXPLANATORY ANSWERS

1. **C)** Each odd term is obtained by dividing previous odd term by 3.
   ∴ 3rd term = 1st term ÷ 3. = 18 ÷ 3
   = 6; 5th term = 3rd term ÷ 3
   = 6 ÷ 3 = 2
   Hence, ? = 7th term = 5th term ÷ 3
   = 2 ÷ 3 = 2/3

2. **B)** Each term of the series is obtained by adding previous two terms.
   ∴ 3rd term = 1st term + 2nd term
   = 3 + 8 = 11 ; 4th term
   = 2nd term + 3rd term = 8 + 11 = 19
   5th term = 3rd term + 4th term
   = 11 + 19 = 30; 6th term
   = 4th term + 5th term
   = 19 + 30 = 49
   Hence, ? = 7th term
   = 5th term + 6th term
   = 30 + 49 = 79

3. **D)** Each odd term is obtained by multiplying the previous term by 2.
   3rd term = 2nd term × 2 = 6 × 2
   = 12; 5th term = 4th term × 2
   = 15 × 2 = 30
   Hence, ? = 7th term = 6th term × 2
   = 33 × 2 = 66

5. **C)** 1st term = 1 × 2 × 3 = 6;
   2nd term = 2 × 3 × 4 = 24
   3rd term = 3 × 4 × 5 = 60;
   4th term = 4 × 5 × 6 = 120
   Hence, ? = 5th term
   = 5 × 6 × 7 = 210

6. **A)** Except (A), all others are holy places.

7. **D)** Except (D), other modes of conveyance are mechanical.

11. **D)** History, Geography, Economics are best represented by figure D.

12. **D)** Social Science, Psychology and Physics are represented by figure D.

13. **B)** Physics, Mechanics, Statics are represented by figure B.

14. **B)** There is a gap of one letter between the pair of letters in any cell. The number in the second column is 2 more than that of the first column and the number in the third column is three times that of the second column. Hence, ? = JL_{18}.

16. **C)** In each figure, the product of upper two numbers is equal to the third number.
    In 1st figure, 17 × 13 = 221
    In 2nd figure, 19 × 12 = 228
    Similarly, in 3rd figure, 13 × 18 = ?
    or ? = 234.

17. **D)** The sequence tsrstr is repeated three times.

18. **D)** The sequence aaabbbccc is repeated two times.

19. **C)** The sequence is bcbb, bcbb, bcbb, bcbb, where bcbb is repeated four times.

20. **C)** Only son of her grandfather means her father. Man's brother's father means man's father. So, man's father is her father, i.e., she is the man's sister.

21. **C)** As P and Q are brothers and R is the sister of Q, therefore, R is also the sister of P and P is the brother of R.

22. **D)** A Culprit commits a Crime while a judge gives a Verdict.

23. **A)** In the first term each letter has been moved three steps forward to write the second term. Similarly, ? = WUSQ.

24. **B)** In the first term, letters have been reversed to write the second term. Similarly, ? = Fmg X.

25. **C)** Except (C), other numbers are divisible by 3.

26. **C)** Except (C), all others are vowels.

27. **A)** Making the changes as directed,
    ? = 54 ÷ 16 – 3 × 6 + 2
    = 54 – 16 × 3 + 6 ÷ 2
    = 54 – 48 + 3 = 9

28. **C)** From the figure, it is clear that T's flat is between Q and S.

60

29. C) From the above figure, it is clear that flats Q and P are diagonally opposite.

30. A) Problem Figure (PF)/2 is obtained from PF/1 by breaking up the upper and lower parts of arc, the other end into two parts each. Similarly, Answer Figure (AF)/ 'A' is obtained from PF/3. .

31. B) PF/2 is obtained from PF/I 1 by inverting it and replacings vertical lines by horizontal lines. Similarly, AFI 'B' is obtained from PF/3.

32. C) As far as arrangement of designs is concerned the problem is based on the rule **A) = C)** = (5) and **B) = D)**. Again, in the subsequent figures new designs appear. Therefore, Answer Figures (**A**) and (**D**) can be ruled out. In the subsequent figure there is deletion of designs. Therefore, option (**C**) is correct.

33. B) In the subsequent figures one line segment is deleted. in a set order. In the first step top line segment is deleted, in the second step bottom line segment is deleted and in the third step right line segment is deleted. Therefore, from Problem Figure **D)** to Answer Figure the left line segment would be deleted.

35. B) In subsequent figures the lowermost arrow rotates through 45° and 135° anticlockwise alternately. Therefore, Answer Figures (**A**) and (**D**) can be ruled out. Again, the other two designs move upward diagonally and the uppermost design disappears while a new design is introduced at the third position. The existing designs rotate through 90° anticlockwise.

36. B) From element I to II one of the designs is deleted and the existing design gets inverted after being rotated through 90° anticlockwise.

37. B) Only Assumption I seems to be appropriate. If some people equate the symbol with its meaning, then symbol implies something. The statement does not imply that some people who equate the symbol with what it stands for, are fools.

38. C) Both the assumptions are implicit in the statement.

39. C) Both the assumptions are implicit in the statement.

40. A) The sum of first and third digits of the number to the left of sign (:) is equal to the first digit of the right of sign (:). The sum of second and fourth digits is equal to the remaining digit.

3 8 2 9 3 + 2 = 5; 8 + 9 = 17;

7 4 1 6 7 + 1 = 8; 4 + 6 = 10;

5 3 4 8 5 + 4 = 9; 3 + 8 = 11;

41. C) The given number series is based on the following pattern:

$1 \times 2 + 2 = 4$ $4 \times 2 – 2 = 6$
$6 \times 2 + 2 = 14$ $14 \times 2 – 2 = 26$
$26 \times 2 + 2 = 54$ $54 \times 2 – 2 = 106$

42. D) Geetika is wife of Shivender. Geetika and Rahul are children of Mr. and Mrs. Chopra Therefore, Rahul is Brother-in-law of Shivender.

43. A) Sonu is child of Sunil and Sweety. Sunil is the son of Mr. and Mrs. Malhotra. Therefore, Sonu bears the surname Malhotra.

44. A) TRAIN = 6, i.e., Number of letters + 1 There are 11 letters in the word REFRESHMENT Therefore, required answer =11 + 1 = 12

45. C)

Similarly,
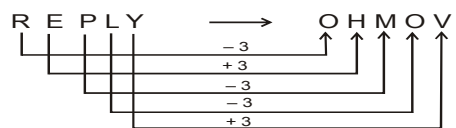
51. A) Saint seeks peace and solace through meditation. Similarly, scientist does research to establish some principle**s.**

52. D) Palace is living place of king. Similarly, Eskimo lives in Igloo. Igloo is the dome-I shaped dwelling unit built of' blocks of snow.

53. C) $A \xrightarrow{+5} F \xrightarrow{+5} K \xrightarrow{+5} P$

$D \xrightarrow{+5} I \xrightarrow{+5} N \xrightarrow{+5} S$

$W \xrightarrow{+5} B \xrightarrow{+5} G \xrightarrow{+5} L$

Similarly,

$O \xrightarrow{+5} T \xrightarrow{+5} Y \xrightarrow{+5} D$

S I N G E R ⟶ Q G L E C P

54. C)

Similarly,

M O N S T E R ⟶ K M L Q R C P

55. C) $\dfrac{18}{3} = 6$; $6 - 1 = 5$ Similarly,

$\dfrac{12}{3} = 4$; $4 - 1 = 3$

56. D) $4 \times 3 = 12$ $4 \times 5 = 20$

Similarly,

$6 \times 5 = 30$ $6 \times 7 = 42$

57. A) From the first figure to the second figure the middle design rotates through 90° and moves to the extreme right position after being reduced in size and the lower most design encloses the inverted and reduced upper most design.

58. C)

$K \xrightarrow{+4} O \xrightarrow{+3} R \xrightarrow{+7} Y \xrightarrow{+3} B \xrightarrow{+5} G \xrightarrow{+3} J$

$L \xrightarrow{+1} M \xrightarrow{-8} E \xrightarrow{+20} Y \xrightarrow{-5} T \xrightarrow{-4} P \xrightarrow{-5} K$

$K \xrightarrow{+2} M \xrightarrow{+3} P \xrightarrow{+4} T \xrightarrow{+5} Y \xrightarrow{+6} E \xrightarrow{+7} L$

$K \xrightarrow{+5} P \xrightarrow{+4} T \xrightarrow{+5} Y \xrightarrow{+6} E \xrightarrow{+7} L \xrightarrow{+1} M$

59. C) ⊠ M N

Such combinations are:

N M W V MN   M V W N M

N M MN W V MN

60. A) In the game of tennis only one or two players remain(s) on one side. In all other three games, there are more than two players.

61. D) Naive (Adjective) means: showing lack of experience, wisdom or judgement; natural and innocent in speech and behaviour. All the other three words show the sense of feigning.

62. C) $68 \Rightarrow 6 + 8 = 14$

$85 \Rightarrow 8 + 5 = 13$

$174 \Rightarrow 1 + 7 + 4 = 12$

$153 \Rightarrow 1 + 5 + 3 = 9$

Number 9 is a perfect square number.

63. D) $\dfrac{98}{7} = 14$ $\dfrac{162}{9} = 18$

$\dfrac{288}{12} = 24$ But, $\dfrac{572}{17} = 33.64$

64. C) Except in figure **C)**, in all other figures the shaded triangles are equi-distant.

65. A) Meaningful order of the words: (Colours of a rainbow)

7. Violet

↓

2. Indigo

↓

4. Blue

↓

5. Green

↓

6. Yellow

↓

1. Orange

↓

3. Red

62

66. B) Arrangement of words as per dictionary :

5. Force

↓

1. Forecast

↓

3. Foreign

↓

2. Forget

↓

4. Forsook

67. C) r t x $\boxed{y}$ s x $\boxed{y}$ z / $\boxed{r}$ t x

y $\boxed{s}$ $\boxed{x}$ y z

68. A) F A G → G A F   H A I → I A H

So, ? = J A K

69. C) 3 + 3 = 6   6 + 3 = 9

9 + 6 = 15   15 + 9 = 24

24 + 15 = 39   39 + 24 = 63

63 + 39 = $\boxed{102}$

70. B) –1 + 1 = 0   0 + 3 = $\boxed{3}$

3 + 5 = 8   8 + 7 = 15

15 + 9 = 24

71. C) In each subsequent figure one arrow is added at the upper left corner while one dot is deleted from the upper right sector. The arrow of the lower left sector rotates through 90° clockwise and moves to the right sector alternately. The design of lower right sector is based on the rule **A) = C)** and hence **B) = D)**.

72. B) Age of Govind = 48 years Age of Govind's son at present $\frac{48}{2}$ = 24 Years

7 years ago the age of Govind's son was = 24 – 7 = 17 years

73. A) Only daughter of lady's mother means the lady herself. Therefore, the lady is mother of that man.

74. D) | RIGHT | David | Shekhar | Dhanush | Bala | Basha | LEFT |

Dhanush is standing in the middle.

75. C) There is no 'E' letter in the given word. Therefore, the word ULTRAMONTANE cannot be formed. There are no 'D' and 'E' letters in the given word. Therefore, the word ULTRAMODERN cannot be formed. There is no 'E' letter in the given word. Therefore, the word ULULATE cannot be formed.

$\boxed{\text{U L T R A}}$ N A $\boxed{\text{T}}$ I O N A

L $\boxed{\text{IS}}$ M ⇒ U L R A I S T

76. A) There is no 'R' letter in the given word. Therefore, the word ALERT cannot be formed.

$\boxed{\text{L E G A}}$ L I $\boxed{\text{Z}}$ $\boxed{\text{A}}$ T I O N

⇒ A L E G A T I O N

$\boxed{\text{L}}$ E $\boxed{\text{GA L}}$ I Z $\boxed{\text{AT}}$ I O $\boxed{\text{N}}$

⇒ G A L L A N T

$\boxed{\text{L}}$ E G $\boxed{\text{A}}$ L I Z $\boxed{\text{AT}}$ I O $\boxed{\text{N}}$

⇒ N A T A L

77. A)   3   2   4   1

$\boxed{\text{D E P U}}$ $\boxed{\text{TA}}$ $\boxed{\text{TI}}$ $\boxed{\text{ON}}$

$\boxed{\text{ON}}$ $\boxed{\text{TA}}$ $\boxed{\text{DE R U}}$ $\boxed{\text{TI}}$

Similarly,

   3   2   4   1

$\boxed{\text{D E R I}}$ $\boxed{\text{VA}}$ $\boxed{\text{TI}}$ $\boxed{\text{ON}}$

$\boxed{\text{ON}}$ $\boxed{\text{TA}}$ $\boxed{\text{DE R I}}$ $\boxed{\text{TI}}$

78. C)
M A D R A S
↓ ↓ ↓ ↓ ↓ ↓
5 1 7 9 1 6

T E N A N T
↓ ↓ ↓ ↓ ↓ ↓
4 3 2 1 2 4

Therefore,

R M A T S N
↓ ↓ ↓ ↓ ↓ ↓
9 5 1 4 6 2

$\boxed{63}$

79. A) $\boxed{12} + 8 = 20$ $20 + 16 = 36$
$36 + 32 = 68$ $68 + 64 = 132$
$132 + 128 = 260$

80. C)

$-$ ⇒ $+$	$+$ ⇒ $\times$
$\times$ ⇒ $-$	

Option **A)**
$22 + 7 - 3 \times 9 = 148$
$\Rightarrow 22 \times 7 + 3 - 9 = 148$
$\Rightarrow 154 + 3 - 9 = 148$
Option **B)**
$33 \times 5 - 10 + 20 = 228$
$\Rightarrow 33 - 5 + 10 \times 20 = 228$
$\Rightarrow 33 - 5 + 200 = 228$
$\Rightarrow 233 - 5 = 228$
Option **C)**
$7 \times 28 - 3 \times 52 = 127$
$\Rightarrow 7 \times 28 + 3 - 52 = 127$
$\Rightarrow 196 + 3 - 52 = 127$
$\qquad \Rightarrow 199 - 52 \neq 127$
Option **D)**
$44 - 9 + 6 \times 11 = 87$
$\Rightarrow 44 + 9 \times 6 - 11 = 87$
$\Rightarrow 44 + 54 - 11 = 87$
$\Rightarrow 98 - 11 = 87$

81. A) $5 * 6 = 35$
$\Rightarrow 6 \times 5 + 5 = 35$
$8 * 4 = 28 \qquad 4 \times 5 + 8 = 28$
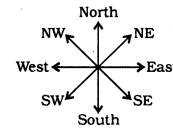Similarly,
$6 * 8 \qquad 8 \times 5 + 6 = 46$

82. C) $12 * 3 * 4 = 6 * 8 * 8$
$\Rightarrow 12 \times 3 + 4 = 6 \times 8 - 8$
$\Rightarrow 36 + 4 = 48 - 8 \Rightarrow 40 = 40$

83. B) First column
$(7+5) + (2 \times 2) \Rightarrow 12 + 4 = 16$
Second column
$(9+7) + (4 \times 4) \Rightarrow 16 + 16 = 32$
Third column
$(8+6) + (3 \times 3) \Rightarrow 14 + 9 = 23$

84. C) In each figure the lower left number is the square of the upper right number.
Again, First figure = $3 + 9 = 7 + 5$
Second figure = $2 + 8 = 4 + 6$

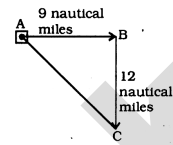Third figure
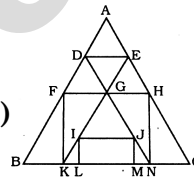$4 + 7 = 5 + ? \Rightarrow ? = 11 - 5 = 6$

85. B)

In the morning hour, any object casts its shadow in the west. It means, his right side was towards west. So, he was walking towards south.

86. D)

Required distance
$= AC = \sqrt{(AB)^2 + (BC)^2} = \sqrt{(9)^2 + (12)^2}$
$= \sqrt{81 + 144} = \sqrt{225} = 15$ nautical miles

87. C)

The triangles are :

$\triangle$ADE; $\triangle$GDE $\triangle$DFG; $\triangle$EGH;
$\triangle$FKB; $\triangle$FGK; $\triangle$GIJ; $\triangle$GHN;
$\triangle$HNC; $\triangle$ILK; $\triangle$JMN; $\triangle$AFH;
$\triangle$DBN; $\triangle$GKN; $\triangle$EKC; $\triangle$ABC;

88. A) The numbers 1, 2, 5 and 6 are on the faces adjacent to the number 4. So, the number 3 lies opposite 4.
The numbers 1, 3, 4 and 6 lies on the faces adjacent to the number 2. So, the number 5 lies opposite 2.
Now, the number 1 lies opposite 6.

89. D) Curd is a food item. Spoon is different from the both food and curd.