Part – a

GENERAL INTELLIGENCE

Directions : In Question Nos. **1** to **7**, select the related word/letters/number from the given alternatives.

1. Brain : Nerves :: Computer : ?
   (A) Calculator (B) Keyboard
   (C) Mouse (D) CPU

2. a : One :: f : ?
   (A) Quality (B) Fail
   (C) E (D) Six

3. DARE : ADER :: REEK : ?
   (A) EEKR (B) EKER
   (C) ERKE (D) EERK

4. Paint : Brush :: ? : Nail
   (A) Saw (B) Hammer
   (C) Screw Driver (D) Plier

5. Silkworm : Silk Saree :: Cobra : ?
   (A) Antidote (B) Poison
   (C) Death (D) Fear

6. Hindu : Temple :: Jews : ?
   (A) Church
   (B) Gurudwara
   (C) Mosque
   (D) Synagogue

7. L × M : 12 × 13 as U × W : ?
   (A) 21 × 31 (B) 21 × 22
   (C) 21 × 23 (D) 21 × 25

Directions : In Question Nos. **8** to **14**, find the odd number/letters/word/number pair from the given alternatives.

8. (A) 135, 123 (B) 123, 111
   (C) 111, 100 (D) 100, 88

9. (A) Cover (B) Enclose
   (C) Bag (D) Annex

10. (A) Black Board (B) Duster
    (C) Pen (D) Chalk

11. (A) Illusion (B) Delusion
    (C) Identification (D) Hallucination

12. (A) Mercury (B) Moon
    (C) Jupiter (D) Saturn

13. (A) 95 – 82 (B) 69 – 56
    (C) 55 – 42 (D) 48 – 34

14. (A) $\dfrac{18}{72}$ (B) $\dfrac{21}{28}$
    (C) $\dfrac{27}{36}$ (D) $\dfrac{60}{80}$

15. Find the 4th word after arranging the following words in the order in which they appear in the dictionary :
    1. Postage
    2. Post
    3. Poster
    4. Posterity
    5. Posterior
    (A) 2 (B) 3 (C) 4 (D) 5

16. Arrange the following in chronological order :
    1. Lal Bahadur Shastri
    2. Indira Gandhi
    3. Jawaharlal Nehru
    4. P.V. Narasimha Rao
    5. V.P. Singh
    (A) 1, 3, 4, 2, 5 (B) 3, 1, 2, 5, 4
    (C) 3, 1, 2, 4, 5 (D) 3, 2, 1, 4, 5

17. Arrange the following words according to dictionary :
    1. Inadequate
    2. Institution
    3. Inhospitable
    4. Improvement
    5. Incompetent
    (A) 4, 2, 3, 5, 1 (B) 4, 1, 3, 5, 2
    (C) 4, 1, 5, 3, 2 (D) 4, 1, 5, 2, 3

18. Identify the correct answer containing letters which will most appropriately fill in the blanks.
    aba _ ab _ b _ ba _
    (A) a, a, a, b (B) b, a, b, a
    (C) b, a, a, b (D) a, b, b, b

19. What is the perimeter of a square whose area is 16 square metres ?
    (A) 16 sq. metre (B) 16 metre
    (C) 64 metre (D) 4 sq. metre

20. MN, KP, IR, ?
    (A) JK   (B) OX   (C) GT   (D) AI

21. ?, 187, 2057, 22627
    (A) 25   (B) 27   (C) 15   (D) 17

22. C, F, I, L : ?, R, U, X
    (A) A   (B) Z   (C) M   (D) O

23. KLXWMNVUOPTSQ ?
    (A) I   (B) R   (C) T   (D) H

24. 16, 28, 52, ?, 196
    (A) 101   (B) 102   (C) 100   (D) 104

25. 9, 16, 25, 36, ?, 64
    (A) 43   (B) 47   (C) 49   (D) 53

26.
2	5	?
5	4	7
1	3	1
6	6	6

    (A) 5   (B) 0   (C) 2   (D) 3

27. Which term of the following series is 320 ?
    5, 8, 11, 14, ...
    (A) 104th (B) 105th (C) 106th (D) 64th

28. Nikhil was facing East. He walked 6 km forward and then after turning to his right walked 2 km. Again he turned to his right and walked 6 km. After this, he turned back. Which direction he was facing at that time ?
    (A) East
    (B) West
    (C) North
    (D) North-South

29. Six boys are standing in such a manner that they form a circle facing the centre. Anand is to the left of Ravi. Shankar is in between Ajay and Vivek. Iswar is between Anand and Ajay. Who is to the left of Vivek ?
    (A) Ravi   (B) Iswar
    (C) Ajay   (D) Shankar

30. From the given alternatives, select the word which cannot be formed using the letters of the given word.
    CONSIDERATION
    (A) CONSIDER   (B) CONCERN
    (C) NATION   (D) RATION

31. In the following series, how many R are preceded by P and followed by D ?
    MPDRNOPRDUXRDPRDMNDRD
    (A) 4   (B) 3   (C) 2   (D) 1

32. If EARN is written as GCTP, how NEAR can be written in that code ?
    (A) CTGP   (B) GPTC
    (C) PGCT   (D) PCGT

33. If $5 \times 4 = 15, 7 \times 8 = 49$ and $6 \times 5 = 24$, what will 8×4 be ?
    (A) 64   (B) 36   (C) 28   (D) 24

34. The given three equations follow some common property. Select the right option.
    $98 - 64 = 14, 86 - 23 = 27, 40 - 11 = ?$
    (A) 6   (B) 7   (C) 8   (D) 9

35. If AMPLIFY is written as YFILPMA in a certain code, how would NATIONAL be written in that code ?
    (A) LANONATI   (B) LANOITAN
    (C) LANTANIO   (D) LANTION

36. The population of a developing country is increasing year by year. Find out the current year population from the following information :

Year	2004	2005	2006	2007	2008	2009
Pop. in lacs	30	60	120	210	330	?

    (A) 390   (B) 450   (C) 480   (D) 510

37. Gokul travelled 16 kms west ward, then he turned left and travelled 10 kms. Then he turned left and travelled 16 kms. How far was Gokul from the starting point ?
    (A) 16 kms   (B) 26 kms
    (C) 10 kms   (D) 6 kms

38. In a code language, the following code is used for the alphabets in a particular way

A B C D E H I J O P R S T

♣ | ∧ ∨ > < ✹ ⇈ ⊥ △ ⬚ Σ ◇

Which word can be decoded from

△ ♣ ◇ ∧ < ?

(A) LATCH   (B) PATIO

(C) PATCH   (D) LATER

39. Refer to the information provided below.

'M + N' means 'M' is father of 'N'

'M – N' means 'M' is daughter of 'N'

'M × N' means 'M' is son of N'

'M ÷ N' means 'M' is wife of 'N'

How is D related to G in the expression D – F + G ?

(A) Wife   (B) Son

(C) Sister   (D) Daughter

40. A nuclear fuel disintegrates as shown with time

9.05 am – 32 g

9.35 am – 16 g

10.00 am – 8 g

10.25 am – 4 g and left at 11.40 am

_____.

(A) 2 g   (B) 1g

(C) 500 mg   (D) .5 mg

41. If '+' is written as '–', '–' is written as '+', '+' is written as '×', '×' is written as '+', then find the value of $100 + 60 – 6 + 2 × 8$.

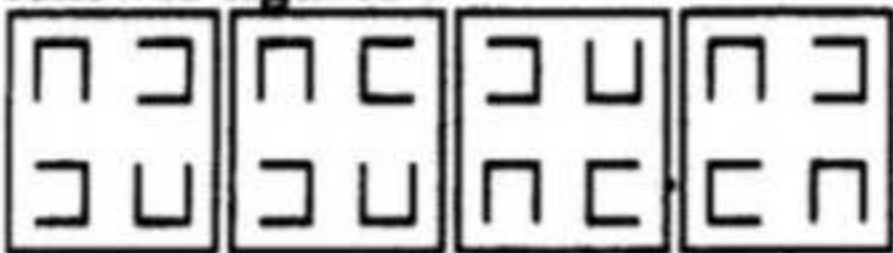(A) 20   (B) 632   (C) 140   (D) 88

42. Find out the mirror image of the given figure.
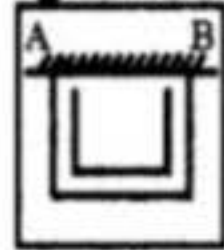
Question figure :
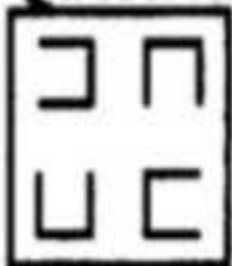
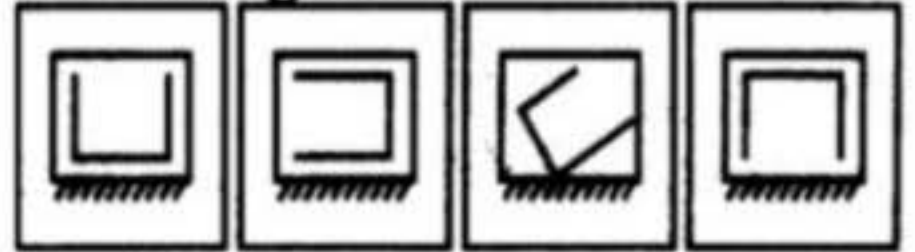Answer figures :

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

43. Which of the answer figures is the mirror image of the given figure if the mirror is held at AB ?

Question figure :

Answer figures :

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

44. In which figure all the specified components of the key figure are found ?
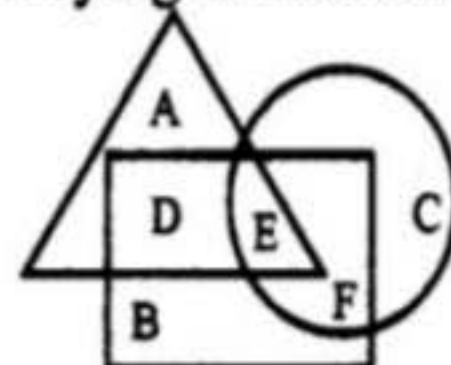
Question figure :
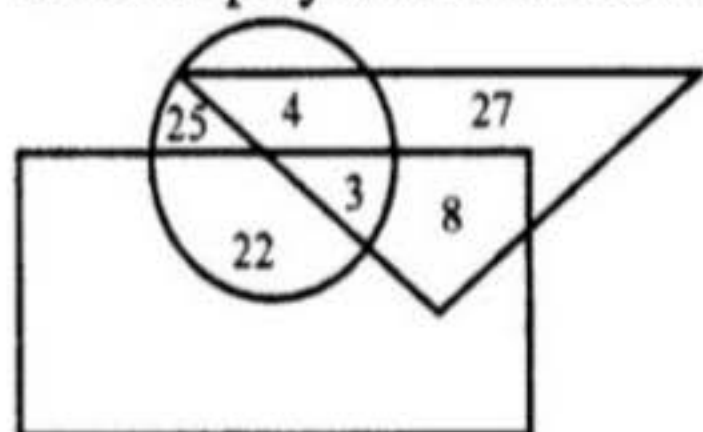

Answer figures :

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

45. In the given figure, the triangle represents girls studying in a girls school, square represents boys studying in boys school and circle represents students studying in matriculation school. The portion which represent girls and boys studying in matriculation school is

A : Girls
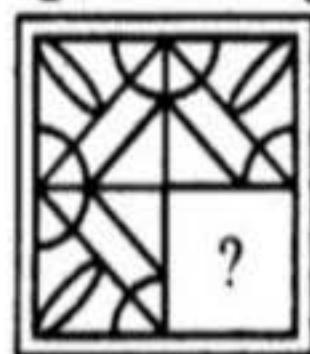
B : Boys

C : Matric

(A) B   (B) A

(C) D   (D) E

46. The triangle represents doctors. The circle represents players and rectangle represents artists. How many doctors are both players and artists ?
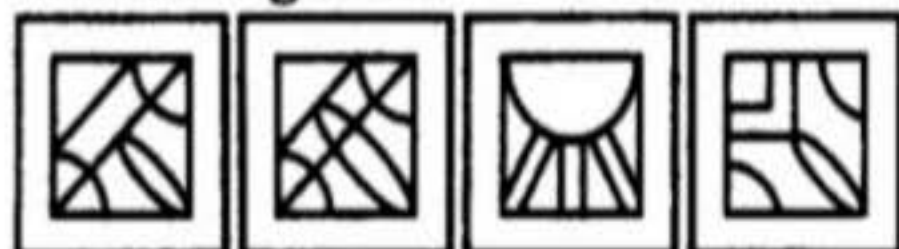

(A) 4

(B) 8

(C) 3

(D) 11

47. Which answer figure will complete the pattern in the question figure ?
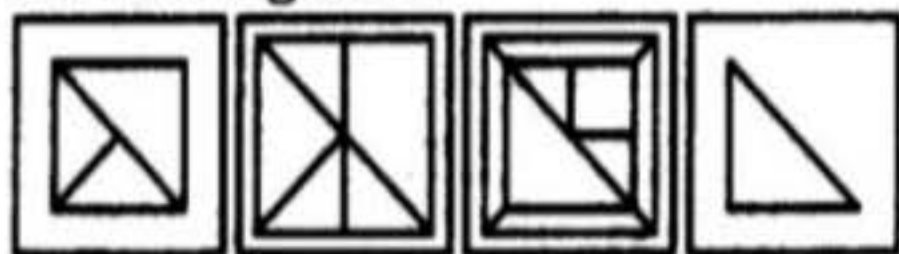
Question figure :

Answer figures :

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

48. Which of the answer figures is embedded in the question figure ?
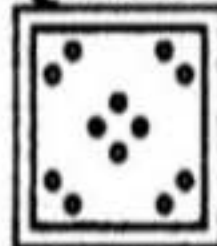
Question figure :

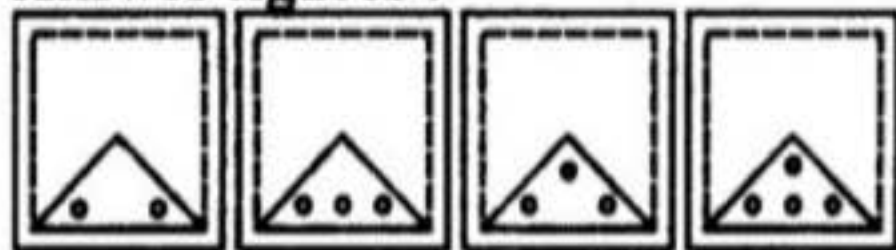

Answer figures :

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

49. A sheet of paper is folded in a particular manner, punched once and then unfolded. Punched, unfolded paper appears as in the given figure. Find out the manner in which the paper was folded and punched by choosing the correct answer figure.

Question figure :

Answer figures :

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

50. 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 in two matrices given below. 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, e.g., 'F' can be represented by 01, 13, etc., and 'P' can be represented by 66, 78, etc. Similarly, you have to identify the set for the word 'MEN'.

Matrix I	0	1	2	3	4
0	E	F	G	H	I
1	H	I	E	F	G
2	F	G	H	I	E
3	I	E	F	G	H
4	G	H	I	E	F

Matrix II	5	6	7	8	9
5	L	M	N	O	P
6	O	P	L	M	N
7	M	N	O	P	L
8	P	L	M	N	O
9	N	O	P	L	M

(A) 56, 30, 69

(B) 55, 31, 95

(C) 75, 00, 95

(D) 76, 00, 88

42. If D becomes A and P becomes M, what will K become in the English alphabet ?

(A) O (B) H

(C) L (D) J

43. If a female mosquito lays 200 eggs at a time of which 80% develops into larva. 60% of larva do not survive to adulthood. How many reproductive cycles produce 1000 adult mosquitos ?

(A) 5 (B) 11

(C) 16 (D) 13

44. Find the missing term.

D G K _ V C

(A) L (B) N

(C) S (D) P

Directions : In Question Nos. **45** and **46**, find the odd number/word from the given alternatives.

45. (A) 3 – 975 (B) 4 – 960

(C) 5 – 990 (D) 6 – 986

46. (A) Gold

(B) Silver

(C) Diamond

(D) Platinum

47. If M A N E I K S T P R is written a
0 1 2 3 4 5 6 7 8 9, how wi
INTEREST be written ?

(A) 42739367

(B) 42379376

(C) 42377936

(D) 42377639

48. If "Dentist" is related to "teeth", the "Dermatologist" is related to ___

(A) Eyes

(B) Ears

(C) Skin

(D) Lungs

49. A man is facing North West. H turns 90° in the clockwise direction then 180° in the anticlockwis direction and then another 90° in th same direction. Which direction is h facing now ?

(A) West

(B) South

(C) South West

(D) South East

50. Give the next term of the series :

2, 11, 27, 52, 88, ___

(A) 104

(B) 99

(C) 137

(D) 169