Q.1 **Research is:**

(a) A fault activity

(b) An activity that helps in development

(c) An interesting activity

(d) An activity that adds to happiness of the people

Q.2 **A researcher should always:**

(a) Know everything in his area

(b) Know about sub-area

(c) Wait for an inspiration

(d) None of the above

Q.3 **One undertakes research for which of the following purpose?**

(a) To verify what has been established

(b) To refute some assumptions

(c) To describe a new phenomenon

(d) Either of a, b or c

Q.4 **Language is a**

(a) Instinctive development

(b) System of symbols for effective communication

(c) Medium to express experiences

(d) Medium for self enhancement

Q.5 **An example of scientific knowledge is**

(a) Social traditions and customs

(b) Authority of the prophet or great men

(c) Religious scriptures

(d) Laboratory and field experiments

Q.6 **For doing external criticism (for establishing the authenticity of data) a researcher must verify**

(a) the signature and handwriting of the author

(b) the paper and ink used in that period which is under study

(c) style of prose writing of that period

(d) all of the above

Q.7 **Survey study aims at**

(i) knowing facts about the existing situation

(ii) comparing the present status with the standard norms

(iii) criticising the existing situation

(iv) identifying the means of improving the existing situation

(a) (i) and (ii) only

(b) (i),(ii)and(iii)

(c) (i),(ii),(iii)and(iv)

(d) (ii) and (iii) only

Q.8 **Which of the following is not the characteristic of a researcher?**

(a) He is industrious and persistent on the trial of discovery

(b) He is a specialist rather than a generalist

(c) He is objective

(d) He is not versatile in his interest and even in his native abilities

Q.9. **The validity and reliability of a research will be at stake when**

(a) The incident was reported after a long period of time from that of its occurrence

(b) The author who is the source of information is biased, incompetent or dishonest

(c) The researcher himself is not competent enough to draw logical conclusions.

(d)All of the above.

Q.10 **A researcher wants to study the future of the Congress I in India. For the study which tool is most appropriate for him ?**
(a) Questionnaire
(b) Rating scale
(c) Interview
(d) Schedule

Q.11 **Statement : A maladjusted is a non- criminal who commits crime for the sake of adjustment.**

Con. I: Some crimes have their root cause in adjustment problems.

Con.II: Maladjustment and delinquency go hand in hand.

   A.only conclusion I follows

   B.only conclusion II follows.

   C.both I and II follow

   D.neither I nor II follows

Q.12 **Statement: No new tax has been proposed in the budget of 2011-12. It is still a surplus budget.**

Con. I: The budget of 2011-12 may be considered a good budget.

Con.II: 2011-12 budget is a surplus budget because no new tax has been proposed.

   A.only conclusion I follows

   B.only conclusion II follows.

   C.both I and II follow

   D.neither I nor II follows

Q.13 Which word does NOT belong with the others?
  A.   book

  B.   index

  C.   glossary

  D.   chapter

Q.14   Which word does NOT belong with the others?
  A.   unimportant

B. trivial

C. insignificant

D. familiar

Q.15   Window is to pane as book is to

A. novel

B. glass

C. cover

D. page

Q.16   Exercise is to gym as eating is to

A. food

B. dieting

C. fitness

D. restaurant

DIRECTION (For Q.17 to Q.21)

Q. 17   Study the following table and answer the questions.

Classification of 100 Students Based on the Marks Obtained by them in Physics and Chemistry in an Examination.

Subject	Marks out of 50				
	40 and above	30 and above	20 and above	10 and above	0 and above
Physics	9	32	80	92	100
Chemistry	4	21	66	81	100
Average (Aggregate)	7	27	73	87	100

Q.17. What is the different between the number of students passed with 30 as cut-off marks in Chemistry and those passed with 30 as cut-off marks in aggregate?

A. 3

B. 4

C. 5

D. 6

Q.18. If at least 60% marks in Physics are required for pursuing higher studies in Physics, how many students will be eligible to pursue higher studies in Physics?

    A. 27

    B. 32

    C. 34

    D. 41

Q.19. The percentage of number of students getting at least 60% marks in Chemistry over those getting at least 40% marks in aggregate, is approximately?

    A. 21%

    B. 27%

    C. 29%

    D. 31%

Q.20. The number of students scoring less than 40% marks in aggregate is?

    A. 13

    B. 19

    C. 20

    D. 27

Q.21. If it is known that at least 23 students were eligible for a Symposium on Chemistry, then the minimum qualifying marks in Chemistry for eligibility to Symposium would lie in the range?

    A. 40-45

    B. 30-40

    C. 20-30

    D. Below 20

DIRECTION (For Q.22 to Q.21)

The following table shows the number of new employees added to different categories of employees in a company and also the number of employees from these categories who left the company every year since the foundation of the Company in 1995.

Year	Managers	Technicians	Operators	Accountants	Peons

	New	Left	New	Left	New	Left	New	Left	New	Left
1995	760	-	1200	-	880	-	1160	-	820	-
1996	280	120	272	120	256	104	200	100	184	96
1997	179	92	240	128	240	120	224	104	152	88
1998	148	88	236	96	208	100	248	96	196	80
1999	160	72	256	100	192	112	272	88	224	120
2000	193	96	288	112	248	144	260	92	200	104

Q.22. What is the difference between the total number of Technicians added to the Company and the total number of Accountants added to the Company during the years 1996 to 2000?

   A. 128

   B. 112

   C. 96

   D. 88

Q.23. What was the total number of Peons working in the Company in the year 1999?

   A. 1312

   B. 1192

   C. 1088

   D. 968

Q.24. For which of the following categories the percentage increase in the number of employees working in the Company from 1995 to 2000 was the maximum?

   A. Managers

   B. Technicians

   C. Operators

   D. Accountants

Q.25 What is the pooled average of the total number of employees of all categories in the year 1997?

   A. 1325

   B. 1195

   C. 1265

D. 1235

Q.26 During the period between 1995 and 2000, the total number of Operators who left the Company is what percent of total number of Operators who joined the Company?

A. 19%

B. 21%

C. 27%

D. 29%

Q.27 Look at this series: 14, 28, 20, 40, 32, 64, ... What number should come next?

A. 52

B. 56

C. 96

D. 128

Q.28 Look at this series: 5.2, 4.8, 4.4, 4, ... What number should come next?

A. 3

B. 3.3

C. 3.5

D. 3.6

Q.29 Look at this series: 8, 6, 9, 23, 87 , ... What number should come next?

A. 128

B. 226

C. 324

D. 429

Q.30 DEF, DEF_2, DE_2F_2, _____, $D_2E_2F_3$

A. DEF_3

B. D_3EF_3

C. D_2E_3F

D. $D_2E_2F_2$

Q.31 ZA_5, Y_4B, XC_6, W_3D, _____

  A. E_7V

  B. V_2E

  C. VE_5

  D. VE_7

Q.32   A and B can complete a work in 15 days and 10 days respectively. They started doing the work together but after 2 days B had to leave and A alone completed the remaining work. The whole work was completed in :

  A. 8 days

  B. 10 days

  C. 12 days

  D. 15 days

Q.33   Twenty women can do a work in sixteen days. Sixteen men can complete the same work in fifteen days. What is the ratio between the capacity of a man and a woman?

  A. 3 : 4

  B. 4 : 3

  C. 5 : 3

  D. Data inadequate

Q. 34   Average age of employees working in a department is 30 years. In the next year, ten workers will retire. What will be the average age in the next year?

      I. Retirement age is 60 years.

      II. There are 50 employees in the department.

  A. I alone sufficient while II alone not sufficient to answer

  B. II alone sufficient while I alone not sufficient to answer

  C. Either I or II alone sufficient to answer

  D. Both I and II are not sufficient to answer

  E. Both I and II are necessary to answer

Q.35   Divya is twice as old as Shruti. What is the difference in their ages?

I. Five years hence, the ratio of their ages would be 9 : 5.

II. Ten years back, the ratio of their ages was 3 : 1.

A. I alone sufficient while II alone not sufficient to answer

B. II alone sufficient while I alone not sufficient to answer

C. Either I or II alone sufficient to answer

D. Both I and II are not sufficient to answer

E. Both I and II are necessary to answer

Q.36   What least number must be added to 1056, so that the sum is completely divisible by 23 ?

A. 2

B. 3

C. 18

D. 21

E. None of these

Q.37   How many of the following numbers are divisible by 132 ?
264, 396, 462, 792, 968, 2178, 5184, 6336

A. 4

B. 5

C. 6

D. 7

Q.38   The smallest 6 digit number exactly divisible by 111 is:

A. 111111

B. 110011

C. 100011

D. 110101

E. None of these

Q.39   The smallest 5 digit number exactly divisible by 41 is:

A. 1004

   B. 10004

   C. 10045

   D. 10025

   E. None of these

Q.40 $35 + 15 \times 1.5 = ?$

   A. 85

   B. 51.5

   C. 57.5

   D. 5.25

   E. None of these

Q.41   Choose the word which is different from the rest.

   A. Trivandrum

   B. Bangalore

   C. Bhubaneswar

   D. Vijayawada

Q.42   Choose the word which is different from the rest.

   A. Chair

   B. Bench

   C. Table

   D. Stool

Q.43   Choose the word which is different from the rest.

   A. Donkey

   B. Camel

   C. Cow

   D. Mule

Q.44   What will be the ratio between ages of Sam and Albert after 5 years?

I. Sam's present age is more than Albert's present age by 4 years.

II. Albert's present age is 20 years.

III. The ratio of Albert's present age to Sam's present age is 5 : 6.

A. Any two of I, II and III

B. II only

C. III only

D. I or III only

E. II or III only

Q.45   The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?

A. 4 years

B. 8 years

C. 10 years

D. None of these

Q.46   Present ages of Sameer and Anand are in the ratio of 5 : 4 respectively. Three years hence, the ratio of their ages will become 11 : 9 respectively. What is Anand's present age in years?

A. 24

B. 27

C. 40

D. Cannot be determined

E. None of these

Q.47   Three times the first of three consecutive odd integers is 3 more than twice the third. The third integer is:

A. 9

B. 11

C. 13

D. 15

Q.48   A two-digit number is such that the product of the digits is 8. When 18 is added to the

number, then the digits are reversed. The number is:

A. 18

B. 24

C. 42

D. 81

Q.49   The sum of the digits of a two-digit number is 15 and the difference between the digits is 3. What is the two-digit number?

A. 69

B. 78

C. 96

D. Cannot be determined

E. None of these

Q.50   Find a positive number which when increased by 17 is equal to 60 times the reciprocal of the number.

A. 3

B. 10

C. 17

D. 20

Answer Key

Q.1 (B)	Q.11 (C)	Q.21 (C)	Q.31 (D)	Q.41 (D)
Q.2 (B)	Q.12 (A)	Q.22 (D)	Q.32 (C)	Q.42 (C)
Q.3 (D)	Q.13 (A)	Q.23 (B)	Q.33 (B)	Q.43 (C)
Q.4 (C)	Q.14 (D)	Q.24 (A)	Q.34 (E)	Q.44 (A)
Q.5 (D)	Q.15 (D)	Q.25 (B)	Q.35 (C)	Q.45 (A)
Q.6 (D)	Q.16 (D)	Q.26 (D)	Q.36 (A)	Q.46 (A)
Q.7 (B)	Q.17 (D)	Q.27 (B)	Q.37 (A)	Q.47 (D)
Q.8 (D)	Q.18 (B)	Q.28 (D)	Q.38 (C)	Q.48 (B)
Q.9 (D)	Q.19 (C)	Q.29 (D)	Q.39 (B)	Q.49 (D)
Q.10 (A)	Q.20 (D)	Q.30 (D)	Q.40 (C)	Q.50 (A)