UBA RECOGNITIVE ASSESSMENT TEST

PAST QUESTIONS AND ANSWERS UPDATED COPY

UBA
United Bank for Africa

UBA BANK COGNITIVE ASSESSMENT TEST -1

1. Kamya purchased an item of N46,000 and sold it at loss of 12 per cent. With that amount she purchased another item and sold it at a gain of 12 per cent. What was her overall gain/loss?

(A) Loss of N662.40

(B) Profit of N662.40

(C) Loss of N642.80

(D) Profit N642.80

(E) None of these

2. The sum of six consecutive even numbers of set-A is 402. What is the sum of another set-B of four consecutive numbers whose lowest number is 15 less than double the lowest number of set- A?

(A) 444

(B) 442

(C) 440

(D) 446

(E) None of these

3. Call rate of a sim company-A is 1 kobo for every 3 seconds. Another sim company-B charges 45 kobo per minute. A man talked 591 seconds from Sim Company-A and 780 seconds from sim company-B. What would be the total amount he spent?

(A) N7.80

(B) N7.40

(C) N7.46

(D) N7.82

(E) N8.46

4. A 280 metre long train moving with an average speed of 108 km/hr crosses a platform in 12 seconds. A man crosses the same platform in 10 seconds. What is the speed of the man in meter / second?

(A) 5 m/s

(B) 8 m/s

(C) 12 m/s

(D) Cannot be determined

(E) None of these

5. The ratio between the three angles of a quadrilateral is 13 : 9 : 5 respectively. The value of the fourth angle of the quadrilateral is 36°. What is the difference between the largest and the second smallest angles of the quadrilateral?
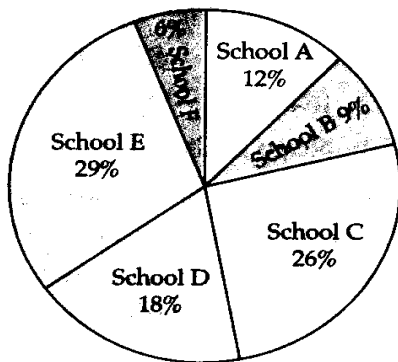
(A) 104°

(B) 108°

(C) 72°

(D) 96°

(E) None of these

Directions-(Q.6-10) Study the following pie-chart and bar chart and answer the following questions.
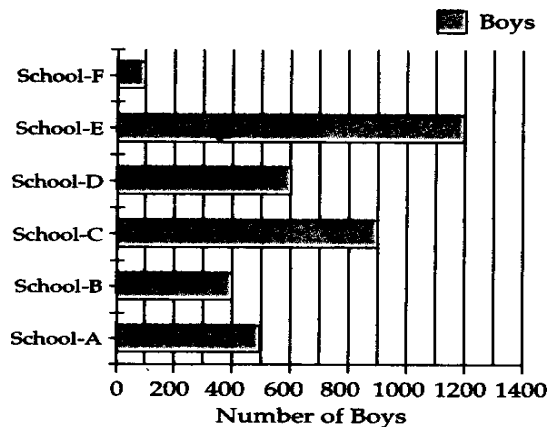
Percentagewise Distribution of students in six different Schools

Total number of Students = 6000

Percentage of Students

Number of Boys out of the 6000 Students in each School Separately

6. What is the total number of girls in School-C, number of girls in School-E and the number of boys in school-D together?

(A) 1700

(B) 1900

(C) 1600

(D) 1800

(E) None of these

7. What is the respective ratio between the number of boys in School-C, number of girls in school-B and total number of students in School-E?

(A) 45: 7: 97

(B) 43: 9: 97

(C) 45: 7: 87

(D) 43: 9: 87

(E) None of these

8. What is the difference between the total number of students in School-P and the number of boys in school-E?

(A) 820

(B) 860

(C) 880

(D) 900

(E) None of these

9. In which school the total number of students (both boys and girls) together are equal to the number of girls in School-E?

(A) A

(B) B

(C) C

(D) D

(E) F

10. Number of girls in School-A is approximately what per cent of total number of students in School-B?

(A) 55

(B) 50

(C) 35

(D) 45

(E) 40

Directions-(Q.11-15) What will come in place of question-mark (?) in the following number series?

11. 958, 833, 733, 658, 608, (?)

(A) 577

(B) 583

(C) 567

(D) 573

(E) None of these

12. 11, 10, 18, 51, 200, (?)

(A) 885

(B) 1025

(C) 865

(D) 995

(E) None of these

13. 25, 48, 94, 186, 370, (?)

(A) 738

(B) 744

(C) 746

(D) 724

(E) None of these

14. 14, 24, 43, 71, 108, (?)

(A) 194

(B) 154

(C) 145

(D) 155

(E) None of these

15. 144, 173, 140, 169, 136, (?)

(A) 157

(B) 148

(C) 164

(D) 132

(E) None of these

Directions-(Q.16-20) In the following questions two equations numbered I and II are given. You have to solve both the equations and give answer if:

(A) x > y

(B) x ≥ y

(C) x < y

(D) x ≤ y

(E) x = y or the relationship cannot be established

16.

I. $25\overline{x^2} - 125 = 0$

II. $361\overline{y} + 95 = 0$

17.

I. $\dfrac{5}{7} - \dfrac{5}{21} = \dfrac{\overline{x}}{42}$

II. $\dfrac{\overline{y}}{4} + \dfrac{\overline{y}}{16} = \dfrac{250}{\overline{y}}$

18.

I. $(625)^{1/4} x + \overline{1225} = 155$

II. $\overline{196}\, y + 13 = 279$

19.

I. $5x^2 - 18x + 9 = 0$

II. $3y^2 + 5y - 2 = 0$

20.

I. $\frac{13}{x} + \frac{9}{x} = x-$

II. $y^4 - \dfrac{(13 \times 2)^{9/2}}{\overline{y}} = 0$

Directions-(Q.21-25) What will come in place of question-mark (?) in the following questions?

21. $\frac{3}{19}$ **of 30% of 3420 = (?)^2 x 2**

(A) $(81)^2$

(B) 7

(C) 9

(D) 81

(E) 49

22. 1898 ÷ 73 × 72 = (?)^2 × 13

(A) - 256

(B) 256

(C) 12

(D) 144

(E) -16

23. $7^{\overline{2}} \times 24 \times 2 - (11)^3 + 3$ =?

(A) 42

(B) 1024

(C) 1764

(D) $(1024)^2$

(E) 32

24. $(0.81)^2 \div (0.729)^3 \times (0.9)^2 = (0.9)^{?-3}$

(A) 6

(B) 2

(C) 4

(D) 0

(E) None of these

25. 65% of $3\overline{136} \times 5 = ? \div 154$

(A) 56

(B) 28

(C) 35

(D) 32

(E) None of these

Directions (Q.26-30): What will come in place of the question mark (?) in the following number series?

26. 8 10 18 44 124 (?)

(A) 344

(B) 366

(C) 354

(D) 356

(E) None of these

27. 13 25 61 121 205 (?)

(A) 323

(B) 326

(C) 324

(D) 313

(E) None of these

28. 656 352 200 124 86 (?)

(A) 67

(B) 59

(C) 62

(D) 57

(E) None of these

29. 454 472 445 463 436 (?)

(A) 436

(B) 456

(C) 454

(D) 434

(E) None of these

30. 12 18 36 102 360 (?)

(A) 1364

(B) 1386

(C) 1384

(D) 1376

(E) None of these

31. The length of a rectangle is three-fifths of the side of a square. The radius of a circle is equal to side of the square. The circumference of the circle is 132 cm. What is the area of the rectangle if the breadth of the rectangle is8 cm?

(A) 112.4 sq cm

(B) 104.2 sq cm

(C) 100.8 sq cm

(D) Cannot be determined

(E) None of these

32. Five-ninths of a number is equal to twenty five percent of the second number. The second number is equal to one-fourth of the third number. The value of the third number is 2960. What is 30 per cent of the first number?

(A) 88.8

(B) 99.9

(C) 66.6

(D) Cannot be determined

(E) None of these

33. The ratio of the present age of Manoj to that of Wasim is 3 : 11. Wasim is 12 years younger than Rehana. Rehana's age after 7 years will be 85 years. What is the present age of Manoj's father, who is 25 years older than Manoj?

(A) 43 years

(B) 67years

(C) 45 years

(D) 69 years

(E) None of these

34. Dinesh's monthly income is four times Suresh's monthly income. Suresh's monthly income is twenty per cent more than Jyoti's monthly income. Jyoti's monthly income is N22,000. What is Dinesh's monthly income?

(A) N1, 06, 500

(B) N1, 05, 600

(C) N1, 04, 500

(D) N1, 05, 400

(E) None of these

35. The smallest side of a right-angled triangle is 8 cm less than the side of a square of perimeter 56 cm, The second largest side of the right-angled triangle is 4 cm less than the length of the rectangle of area 96 sq cm and breadth 8 cm. What is the largest side of the right-angled triangle?

(A) 20cm

(B) 12cm

(C) 10cm

(D) 15 cm

(E) None of these

36. The ratio of the adjacent angles of a parallelogram is 7 : 8. Also, the ratio of the angles of quadrilateral is 5 : 6 : 7 : 12. What is the sum of the smaller angle of the parallelogram and the second largest angle of the quadrilateral?

(A) 168°

(B) 228°

(C) 156°

(D) 224°

(E) None of these

37. Raju runs 1250 metre on Monday and Friday. Another days he runs 1500 metre except for Sunday (He does not run on Sunday). How many kilometre will he run in 3 weeks (first day starting from Monday)?

1) 12.5km

2) 20.5km

3) 8.5km

4) 25.5km

5) None of these

38. The sum of nine consecutive odd numbers of Set A is 621. What is the sum of a different set of six consecutive even numbers whose lowest number is 15 more than the lowest number of Set A?

(A) 498

(B) 468

(C) 478

(D) 488

(E) None of these

39. In a school there are 250 students, out of whom 12 percent are girls. Each girl's monthly fee is N450 and each boy's monthly fee is 24 per cent more than that of a girl. What is the total monthly fee of girls and boys together?

(A) N1, 36, 620

(B) N1, 36, 260

(C) N1, 32, 660

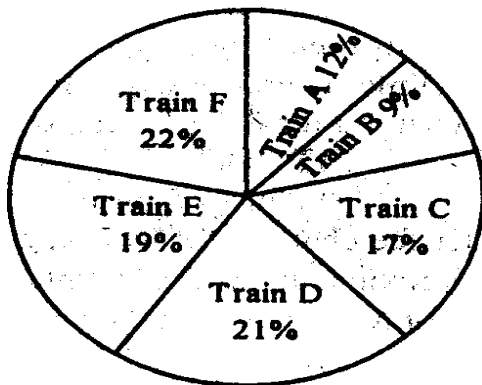(D) N1, 32, 460

(E) None of these

40. The average speed of a train is $1\frac{3}{7}$ times the average speed of a car. The car covers a distance of 588 km in 6 hours. How much distance will the train cover in 13 hours?

(A) 1750km

(B) I760km

(C) 1720km

(D) 1850km

(E) None of these

Directions (Q.41-45): Study the following pie-chart carefully to answer these questions:

Total number of passengers in six different trains = 4800

Percentage-wise distribution of passengers

41. What was the average number of passengers travelling in Train A, Train C and Train F together?

(A) 816

(B) 826

(C) 824

(D) 812

(E) None of these

42. If the cost of one ticket is N124, what is the total amount paid by passengers of Train B? (Assuming all the passengers purchased tickets and cost of each ticket is equal)

(A) N53,658

(B) N53,568

(C) N53,558

(D) N53,468

(E) None of these

43. The number of passengers in Train E is approximately what percentage of the total number of passengers in Train B and Train D together?

(A) 63

(B) 69

(C) 75

(D) 54

(E) 79

44. What is the difference between the number of passengers in Train C and the number of passengers in Train A?

(A) 280

(B) 250

(C) 230

(D) 260

(E) None of these

45. What is the total number of passengers in Train D, Train E and Train F together?

(A) 2796

(B) 3225

(C) 2976

(D) 3125

(E) None of these

Directions (Q.46-50): Study the following table carefully to answer the questions that follow.

Semester fees (in Rs thousand) for five different courses in six different years

Years	Course				
	B Tech	M Sc	B Ed	M Phil	Diploma
2005	11.5	5.8	7.5	4.7	1.8
2006	14.5	6.4	11.6	5.8	3.2
2007	20.0	10.2	13.9	8.6	4.8
2008	22.2	14.6	15.8	12.7	5.6
2009	35.8	17.7	18.5	25.1	12.5
2010	50.7	20.9	22.6	18.9	14.9

46. What was the approximate per cent increase in the semester fees of B Ed course in the year 2007 as compared to the previous year?

(A) 26

(B) 30

(C) 20

(D) 16

(E) 10

47. What was the average semester fee charged for MSc course over all the years together?

(A) N12,700

(B) N12,600

(C) N12,060

(D) N12070

(E) N13,140

48. What was the difference between the total semester fee charged for Diploma course over all the years together and the fee charged for B Tech course in the year 2009?

(A) N 8,500

(B) N8,000

(C) N6,500

(D) N7,000

(E) None of these

49. The semester fee charged for M Phil course in the year 2008 was approximately what percentage of the semester fee charged for MSc course in the year 2009?

(A) 67

(B) 84

(C) 80

(D) 76

(E) 72

50. What was the total semester fee charged for all the courses together in the year 2006?

(A) N42,500

(B) N41,500

(C) N41,600

(D) Rs. 42,200

(E) None of these

ANSWER KEYS

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

QUANTITATIVE APTITUDE TEST 2 (ARCHIVES)

Directions (Q. 1-5) What approximate value should come in place of the question mark (?) in the following questions?

Q1. 8433.733 ÷ 54.102 ÷ 5.55 = ?

A. 27
B. 28
C. 25
D. 20

Q2. $\sqrt[3]{4^{10648}}$ = ?

A. 31
B. 23
C. 22
D. 32

Q3. 27.5% of 654 ÷ 22% of 67 = ?

A. 12
B. 14
C. 10
D. 18

Q4. (545.55 ÷ 11) ÷ 3.14 = ?
A. 15
B. 25
C. 31
D. 13

Q5. 43 * 23.34567 * ? = 12345.12
A. 13
B. 24
C. 9
D. 23

Directions (Q. 6-8) Fill the following Series

Q6. 65 128 ? 350 521 .

A. 169
B. 225
C. 221
D. 216

Q7. 122 146 172 ? 230 .

A. 198
B. 216

C. 196
D. 200

Q8. 25 100 225 400 ?

A. 500
B. 600
C. 575
D. 600

Directions (Q.9 -11) In the following series only one number is wrong. Find out the wrong number.

Q9. 1 27 127 343 729

A. 127
B. 1
C. 343
D. 27

Q10. 25 27 225 343 625

A. 25
B. 225
C. 625
D. None of these

Q11. 1 1 4 8 9 25 16 64

A. 1
B. 16
C. 25
D. 9

Direction (Q. 12 - 16): Study the following table carefully to answer the questions that follow:

Total number of students studying in Various Schools over the years

Year	School A	School B	School C	School D	School E
2008	2240	345	2000	1239	1298
2009	3440	1324	2345	2300	3450
2010	3889	2455	3456	3200	4500
2011	4110	3500	4523	4342	5790
2012	8000	5600	5078	4580	9000

Q12. What is the average number of students studying in the School C over the given years excluding the year 2010?

A. 3480.4
B. 13946
C. 17402
D. 3486.5
E. None of these

Q13. The number of students studying in school B in the year 2009 is approximately what percent of the total number of students studying in various schools in that year?

A. 19
B. 11
C. 9
D. 24
E. 33

Q14. What is the approximate ratio of the number of students studying in school B to the number of students studying in school E in the year 2008?

A. 1 : 4
B. 2: 3
C. 4: 2
D. 4:3
E. 4 :1

Q15. What is the difference between the average number of students studying in school B over the given years and the average number of students studying in school E over the given years?
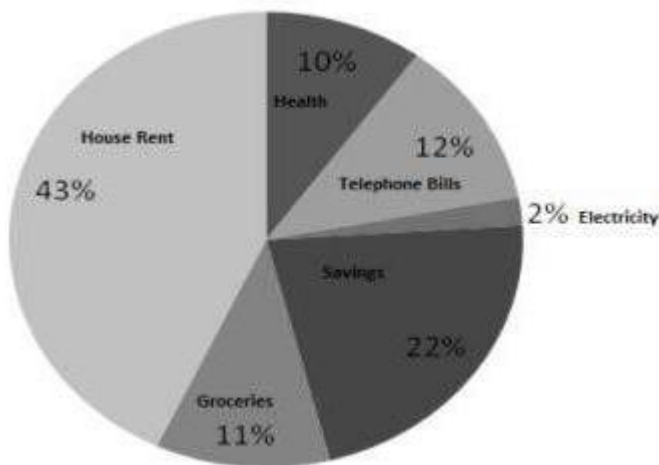
A. 362.8
B. 487.4

C. 2162.8
D. 348.2
E. None of these

Q16. What is the difference between the total number of students studying in school A over the given years and the average number of students studying in the school D over the given years ?

A. 6000
B. 6400
C. 6018
D. 5800
E. None of these

Directions (Q. 17-21) Study the Pie-Chart carefully to answer the questions that follow:

Percentage wise break-up of Spending Pattern of John in a Month. Total Amount Spent in am Month = N30,000

Q17. What is the amount spent by John on Groceries ?

A. 3300
B. 3000
C. 3600
D. 6600
E. None of these

Q18. What is the total amount spent by John on Telephone Bills, Health and Electricity together?

A. 7000
B. 7204
C. 6600
D. 5780
E. None of these

Q19. What is the approximately ratio of the amount spent by John on Groceries to the amount spent on House Rent?

A. 1:4
B. 1:2
C. 3:2
D. 2:3
E. None of these.

Q20. Amount invested by John on Saving Forms what percent of the amount spent on Health?

A. 1:3
B. 21:17
C. 33: 21
D. 3:1
E. None of these

Q21. Total amount spent by the family on Telephone Bills, Groceries and Electricity together forms what percent of the amount spent on House Rent?

A. 40
B. 58.13
C. 34.64
D.12.50
E. None of these

Q22. The product of two consecutive odd numbers is 4623. Which is the smaller of the two numbers?

A. 71
B. 73
C. 67
D. 57
E. None of these

Q23. If the numerator of a fraction is increased by 200% and denominator is increased by 400%, the resultant fraction is 12/18. What was the original fraction?

A. 10/9
B. 19/10
C. 18/12
D. 1/5

E. None of these

Q24. 45 men can do a piece of work in 20 days. How many men would be required to do the same work in 30 days ?

A. 40
B. 25
C. 28
D. 30
E. 32

Q25. Which number should replace both the question marks in the following equation?

? / 125 = 72 / ?

A. 96
B. 60
C. 2
D. 3
E. None of these

What approximate value should come in place of question mark (?) in the following questions?

Q26. $\{(45)^2 + (65^2)+(85^2) \} \div ? = 50$

A. 269
B.2690
C. 0.269
D. 269.5

Q27. 250 + 0.25 /0.5 X 0.005 - ? = 1

A. 250
B. 251
C. 4
D. 249
E. None of these

Q28. $\{(199.75^2)- 30000 \} \div ? = 100000$

A. 0.3
B. 4
C. 39×10^7
D. 3900

Q29. 99.09 + 61.9 + 59.19 – 7.19 – 6.91 -7.90 = ?

A. 0
B. 1
C. -1
D. 2

Q30. 12.5% * 33% * 40% * 3333.55 = ?

A. 2350
B. 1250
C. 552
D. 55

Q31. $\sqrt{750.125}$ x 12.23 % + 6.65 = ?

A. 3.34
B. 12.23
C. 10
D. 17.75

Q32. N7,50,000 are invested in N100 shares which are quoted at N1200. Find the income if 25 % dividend is declared on the shares.

A. 1560
B. 15625
C. 15600
D. 16500

Q33. Find the value added tax paid by shopkeeper if he buys a Sofa set for N10000 and pays 7% tax and sells the Sofa set for N13,000 and charges 9% tax.

A. 1170
B. 700
C. 470
D. 1870

Q34. Uju borrowed N2 x 10^4 for 48 months under some conditions mentioned below :

(i). 10% Simple Interest for the first 30 months.
(ii). 10% Compound Interest for the remaining one and a half years on the amount due after 30 months, the interest being compounded half- yearly.

Find the total amount to be paid at the end of the four years.

A. 25000
B. 28940
C. 65000

D. 31000

Q35. Find the difference between the C.I. and the S.I. on N4000 @8% p.a. in 2 years.

A. N15.60
B. N35.60
C. N45.60
D. N25.60

Q36. What will be the perimeter of Semi- Circle of radius 7cm?

A. 77
B. 36
C. 22
D. 13

Directions (Q. 37- 39) Complete the following Series:

Q37. 512, 100, 216, 64 , , 36, 8, 16.

A. 64
B. 48
C. 108
D. 96

Q38. 9262, 442, 10650, 490, 12170,___

A. 504
B. 14240
C. 538
D. 532

Q39. 1331, 1000, 729,___, 343, 216.
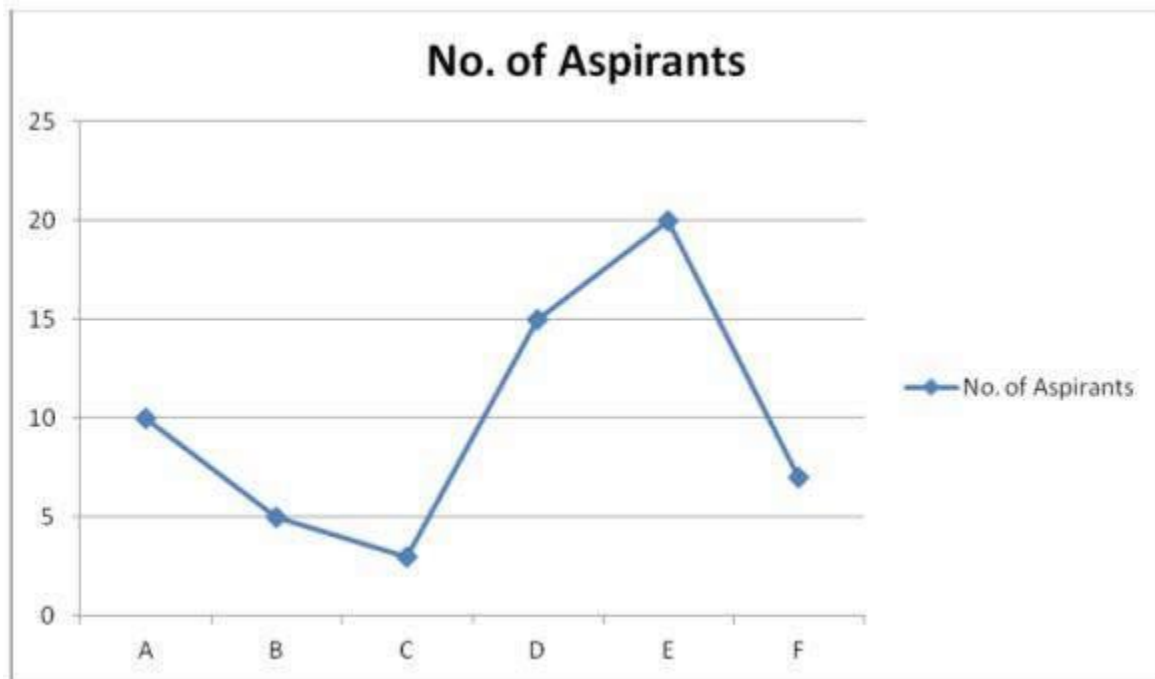
A. 1331
B. 675
C. 512
D. 425

Q40. What will be the Rate of Interest? If Salman has a recurring deposit account in a bank. He deposits N2500/month for 2 years. If he gets N66250 at the time of maturity.

A. 8.75 %
B. 10%
C. 12.50%
D. 11.50 %

Directions (Q. 41 -45) Study the following graph carefully to answer the questions:

Number of Aspirants Appearing for Bank Exams from various towns

No. of Aspirants

Q41. What is the ratio of the number of aspirants appearing for the bank exam from towns A,C, and E together to the number of aspirants appearing for the exam from towns B, D and F together?

A. 27/33
B. 9/12
C. 11/9
D. 33/25

Q42. What is the ratio of the number of aspirants appearing for the Bank exam from the town C to town F?

A. 2/7
B. 3/7
C. 1/2
D. 4/7

Q43. What is the average number of aspirant appearing for Banking exams from all the towns together?

A. 555555.5
B. 100
C. 833333.33

D. 1000000

Q44. The number of aspirants appearing for exam from town F is what percent of the total number of aspirants appearing for exam from all the towns together?

A. 11.66
B. 13.33
C. 15
D. 6

Q45. The number of aspirants appeared for Banking exam from town B is approximately what percent of the number of aspirants appearing for exam from town E ?

A. 5
B. 25
C. 33.33
D. 75

Directions (Q.46 -50): Study the following given information carefully and answer the questions that follows:

In a bag there are 2 Yellow, 3 Violet, 6 Black and 4 Blue balls.

Q46. If two balls are picked at random, what is the probability that either both are yellow or both are violet ?

A. 1/9
B. 13/35
C. 7/91
D. 69/91
E. None of these

Q47. If four balls are picked at random, what is the probability that one is yellow, two are blue and one is black ?

A. 24/455
B. 18/455
C. 11/15
D. 9/11

Q48. If 3 balls picked at random, what is the probability that one is violet and two are blue balls?

A. 24/455
B. 18/455
C. 4/105
D. 1/9

Q49. If two balls picked at random, what is the probability that both are black?

A. 2/14
B. 1/9
C. 7/8
D. 1/3

Q50. If four balls are picked at random, what is the probability that at least one is blue?

A. 69/91
B. 14/15
C. 8/9
D. None of these

ANSWERS

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

1-10. In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggest one of which fits the blank appropriately. Find out the appropriate word in each case.

(1) over the world, rights related to information technology that are already legally recognized are daily being violated, **(2)** in the name of economic advancement, political stability or for personal greed and interest. Violates of these rights have **(3)** new problems in human social systems, such as the digital divide, cybercrime, digital security and privacy concerns, all which above **(4)** people's lives either directly or indirectly.

It is important that countries come up with the guidelines for action to **(5)** the incidence of malicious attacks on the confidentiality, integrity and availability of electronic data and system, computer-related crimes, content related offenses and violations of intellectual property rights. **(6)**, threats to critical infrastructure and national interest arising from the use of the internet of criminal and terrorist activities are of growing **(7)**. The harm incurred to businesses, governments and individuals in those countries in which the internet is used **(8)**, is gaining in **(9)** and importance, while in other countries cybercrime threatens the application of information and communication technology for governmental services, health care, trade, and banking. As users start losing **(10)** in online transactions and business, the opportunity costs may become substantial.

1. (a) Entire (b) Lot
   (c) Great (d) All
   (e) Much
2. (a) scarcely (b) whether
   (c) and (d) for
   (e) hardly
3. (a) created (b) bent
   (c) pressured (d) risen
   (e) stooped
4. (a) distanced (b) affected
   (c) exaggerated (e) advanced
   (e) cropped
5. (a) engage (b) conflict
   (c) war (d) combat
   (e) struggle
6. (a) But (b) More
   (c) Addition (d) Beside
   (e) Further
7. (a) concern (b) nature
   (c) pattern (d) important
   (e) matter
8. (a) really (b) figuratively
   (c) widely (d) never
   (e) tandem
9. (a) fear (b) days
   (c) positivity (d) width
   (e) scope
10. (a) tracks (b) measure
    (c) confidence (d) mind
    (e) grip

11-15. Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

(a) It is not wonder that a majority of these excluded and low-achievers come from the most deprived sections of society.

(b) They are precisely those who are supposed to empowered through education.

(c) With heightened political consciousness about the plight of these to-be-empowered people, never in the history of Nigeria has the demand for inclusive education been as fervent as today.

(d) The either never enroll or they drop out of schools at different stages during these eight years.

(e) On the nearly 200 million children in the age group between 6 and 14 years, more than half do not complete eight years of elementary education.

(f) On those who do complete eight years of schooling, the achievement level of a large percentage, in language and mathematics, in unacceptably low.

11. Which of the following should be the **THIRD** sentence after rearrangement?
    (a) A (b) B (c) C
    (d) D
    (e) E

12. Which of the following should be the **FIRST** sentence after rearrangement?
    (a) A (b) B
    (c) C (d) D
    (e) E

13. Which of the following should be the **SECOND** sentence after rearrangement?
    (a) F   (b) E
    (c) D   (d) C
    (e) B
14. Which of the following should be the **FOURTH** sentence after rearrangement?
    (a) A   (b) B
    (c) C   (d) D
    (e) E
15. Which of the following should be the **FIFTH** sentence after rearrangement?
    (a) F   (b) E
    (c) D   (d) B
    (e) A

16-20. In each of the following sentences, an idiomatic expression or a proverb is highlighted. Select the alternative which best describes its use in the sentence.

16. **Facts spoke louder than words** at the Company meeting where the Direction tired to paint a rosy picture of the Company's financial health.
    (a) Too many facts related to the good financial health of the Company were presented during the meeting.
    (b) The Company was not doing well financially despite the Director saying otherwise.
    (c) The Director was very loud while presenting the facts about the Company's financial health during the meeting.

    (d) The facts stated in the meeting supported the Director's claims of good financial health of the Company.
    (e) The Company was doing exceptionally well financially, despite the Director saying otherwise.

17. By initialing the fight with Sola in office, Bala had **killed the goose that lay the golden egg**
    (a) By initiating the fight with Sola in office, B ala had left her speechless.
    (b) Bala had ruined her chances of success by picking a fight with Sola in office.
    (c) Bala had exacted her revenge by picking a fight with Sola in office.
    (d) Bala had hurt Sola by picking a fight with her in office.
    (e) By initiating the fight with Solain office, Bala had missed getting the golden egg.

18. **I let the chips fall where they may** and do not worry too much about what I want to do next.
    (a) I take calculated risks.
    (b) I let others do what they want and do not interfere.
    (c) I am clumsy.
    (d) I do not try to control my destiny.
    (e) I prefer chaos to calm.

19. After trying hard to convince Nathan to change his ways, Ruth realized

that **a leopard cannot change its spots**.
(a)   Ruth realized that Nathan would never change his ways.
(b)   Ruth realized that Nathan was helpless.
(c)   Ruth realized that he was not good at convincing others.
(d)   Ruth realized that Nathan would change his ways soon.
(e)   Ruth realized that someone else was forcing Nathan to actin a certain way.

20.   Before starting work on our new project, our mentor told us to **not count our chickens before they hatched**.
(a)   Our mentor warned us against being over-confident about achieving success.
(b)   Our mentor asked us to meticulously count the chicken first and then the eggs.
(c)   Out mentor warned us against being over-enthusiastic in implementing the project.
(d)   Our mentor warned us about all the challenges that lay ahead of us.
(e)   Our mentor informed us about the prizes that would get on succeeding.

21-25. Read each sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is 'No error', the answer is (5). (Ignore errors of punctuation, if any).

21.   The third season of / the popular
            (a)   (b)
      television show will ends / on a grand
                                        (c)
      note with / celebrities dancing and
                          (d)
      having fun. No error
                  (e)

22.   The website, which does not / accept
                      (a)
      advertisements and is founded /
                      (b)
      entirely by donations, describes itself
                      (c)
      / as the fifth most popular website on
                      (d)
      the planet. No error
                  (e)

23. As sharing crime statistics for / the year
                          (a)
      2011, the Commissioner admitted that
                          (b)
      / there had been an undue delay in /
                          (c)
      the setting up of an anti-narcotics cell.
                          (d)
      No error
        (e)

24.   The Moon may be the best place / to
                          (a)
      look for liens as their / footprints on
                  (b)   (c)
      their surface would / last far longer
                                  (d)
      than radio signals. No error
                          (e)

25. The judge advised the government to
    (a)
    / have metered autorickshaws across
                              (b)
    the state while / recounting his
                        (c)
    personal experience where an
    autorickshaw driver / make him to wait
    and also demanded N100. No error
         (d)   (e)

26. The Company aims / to nearly double /
    (a)   (b)
    its revenues on the back / of a
              (c)
    strongest product pipeline. No error
                     (d)   (e)

27. The woman that had / kidnapped a
         (a)   (b)
    child has now / been apprehended and
                        (c)
    it being / held in the city's jail. No error
         (d)   (e)

28. Rose growers in / the city are waking
         (a)   (b)
    up / to the benefits / of collective
    (c)   (d)
    action. No error
         (e)

29. The Minister will have / a tough task
         (a)   (b)
    on his hands / where three different
                           (c)
    recommendations / for this year's rate
                                      (d)
    reach his desk. No error
              (e)

30. The current economic scenario / could
              (a)
    possibly undo / the growth that
      (a)   (c)
    followed / the economic liberalization
                        (d)
    of 1991. No error
         (e)

31. In a first of its kind study, / a team of
              (a)   (b)
    scientist have tried to / "grow" new
                                    (c)
    stem cell in / the ear that get damage
                        (d)
    with age. No error
         (e)

32. If successful, the research could / pave
              (a)
    the way towards / the presentation in
         (b)   (c)
    untimely deaths / due to fatal illnesses.
                        (d)
    No error
      (e)

33. The Ministry has directed Banks / to do
              (a)
    away with their / separate promotion
         (b)   (c)
    policies, a move / strongly opposed by
                                      (d)
    the officers' unions. No error
                        (e)

34. After a complaint was filed, / polices
              (a)
    teams was given the photograph / of
                        (b)

the accused from the CCTV footage /
           (c)

record at the hotel. No error
       (d)   (e)

35. Activities opposing the rail project said
           (a)

/ that the eleven new flyovers to be
           (b)

built / would practically ring / the death
           (c)   (d)

knell for the city. No error
           (e)

36-50. Read the following passage carefully and answers the questions given below it. Certain words/phrases have been printed in bold ***to help you locate them while answering some of the questions.***

In India, innovation is emerging as one of the most important rubrics in the discourse on how to bring about greater and more consistent economic and social development. One observes steadily growing investments in R & D across the country, the setting up of national and state innovation bodies, as well as the introduction of government-sponsored innovation funds. There have been several conferences and debates on innovation and how to best promote and accomplish in India, and a number of articles on the subject, written for newspapers and magazines, as well as more informal platform like online forums and blogs.

Academic engagement and Indian authorship on the subject have also exploded in the last five years. Despite widespread agreement on the importance of innovation in India, there are wide gulfs between different conceptions of innovation and the path India should take towards securing benefits through investments in innovation.

Many Indian conversations around innovation begin by talking about *jugaad,* that uniquely Indian approach to a temporary fix when something complex, like and automobile or a steam engine stops working. However, many observers have pointed out that while *jugaad* is certainly innovative, it is a response to the **lack** of an innovation culture – more a survival or coping mechanism at a time of need than a systematic methodology to effectively address a wide-ranging, complex set of problems.

Another specifically Indian approach to innovation that has entered into wide currency of late is so-called 'frugal innovation,' deemed by many to be the most appropriate for the Indian context. In its midterm assessment of the 11th five-year plan, the Planning Commission stressed the need for innovation in India in order to 'accelerate its growth and to make growth more inclusive as well as environmentally sustainable.' The document went on to say that 'India needs more frugal innovation that produces more frugal cost products and services that are affordable by people at low level of incomes without **compromising** the safely, efficiency, and utility of the products. The country also needs processes of innovation that are frugal in the resources required to produce the innovations. The products and processes must also have **frugal impact on the earth's resources**.

Two people formulated a similar theory called the More-from-Less-for-More (MLM theory of innovation) theory of Innovation, which advocates a focus on innovations that allow for more production using fewer resources but benefit more people. Under this rubric come products that are more affordable versions of existing technologies. While both frugal innovation and the MLM theory are certainly valuable in terms of bringing affordable products and services to a greater number of people, and may even the considered a necessary first step on India's innovation path, the barely graze the surface of what innovation can accomplish. That is, innovation is capable of bringing about complete paradigm-shifts and redefining the way we perceive an interact with the world.

Take the cell phone, for example: it revolutionized communication in a previously inconceivable way, provided consumers with a product of unprecedented value and created and entirely new market. The cell phone was a result of years of directed, intentional innovation efforts and large investments, and would not have ever been created if the people responsible simply set out to make the existing telephone cheaper and more accessible to all.

While *jugaad* and frugal innovation may be **indicative** of the Indian potential for innovativeness, this potential is not utilized or given opportunity to flourish due to the lack of an enabling culture.

India's may diverse and complex needs can be met only through systematic innovation, and major shifts have to first take place in our educational institutions, government polices and commercial firms in order for such an innovation enabling culture to come about.

The one thing that India's innovation theorists have not said is that the absence of a culture of innovation is **intrinsically** linked to many of the most intractable problems facing India as a nation. These include poor delivery of government services, inadequate systems of personal identification and the absence of widely available financial services for rural, poor, health and sanitation failures. This list can go on. Cumulatively, the inability of India as a nation, society and economy and adequately provide for its own population no longer reflects a failure of implementation, but rather of a failure of innovation, for there are not immediately-available off-the-shelf solutions that would make it possible for these grand challenges facing India to be **redressed.** Rather, we need to look at these intractable problems from the more sophisticated and empowering lens of innovation, for them to begin to be solved.

36. Which of the following depict/s the growing importance of innovation in India?
    (1) Increased investment in research.
    (2) Initiation of Govt. backed funds for innovation
    (3) Increase in number of conferences arranged and article written on innovation.

(a) Only (1)
(b) Only (1) and (2)
(c) Only (3)
(d) Only (2) and (3)
(e) All (1), (2) and (3)

37. Which of the following best describes the MLM theory of innovation?
    (a) Maximize output by using least number of resources and benefiting a small number of people
    (b) Maximize resource utilization and cost thereby benefit maximum number of people
    (c) Minimize output and resource utilization, yet benefit the maximum number of people
    (d) Benefit most number of people through least usage of resources and maximum output.
    (e) Benefit most number of people through maximum usage of resources and minimizing cost.

38. Which of the following is possibly the most appropriate title for the passage?(a) Innovation At Its Best
    (b) India And the Elixir called innovation
    (c) Innovation around the world vis-à-vis India and Other Neighbouring Countries.
    (d) Worldwide Developments in Innovation
    (e) Innovation – The History

39. What tone is the author employing in the entire passage to get his message across?
    (a) Pessimistic
    (b) Sarcastic
    (c) Urgent
    (d) Informative
    (e) Dubious

40. Why, according to the author, is India unable to adequately provide for its people?
    (a) Failure to implement schemes and initiatives meant for the Indian populace.
    (b) Absence of regulatory authorities to oversee the implementation process.
    (c) Failure to innovate in order to find solutions.
    (d) Lack of governmental schemes and initiatives to redress the challenges faced by India.
    (e) Hesitance of the Indian people in trying out different schemes provided by the Government for upliftment.

41. Why, according to some people, is 'jugaad' **not** the answer to India's problems?
    (a) Many a times this methodology backfires leading to further complications.
    (b) 'Jugaad' provides only cheap solutions to all problems.
    (c) It is reactive and not a proactive and organized method of finding solutions to problems.
    (d) It can provide solutions to only

simple problems and not complex ones.

(e) None of these

42. Which of the following is/are **true** about the cell phone?

(1) The innovation of the cell phone required investment of huge capital.

(2) The cell phone, when invented was meant to be affordable to all.

(3) The cell phone was made available to the public in a very short time from its ideation.

(a) Only (1)

(b) Only (1) and (2)

(c) Only (2) and (3)

(d) Only (2)

(e) All (1), (2), (3)

43. What does the author mean by '**frugal impact on the earth's resources'** as given in the passage?

(a) The damage to the environment should be assessable

(b) More consumption of natural resources as compared to manmade ones.

(c) Minimum impact on the environment in terms of pollution.

(d) The impact on the environment should be such that it is reversible.

(e) Minimum usage of earth's natural resources.

44-48. Choose the word/group of words is *most similar in meaning to the word/group of words printed in bold as used in the passage.*

44. REDRESSED

(a) addressed

(b) equalised

(c) restored

(d) redone

(e) rearranged

45. CURRENCY

(a) notes

(b) usage

(c) money

(d) cash

(e) value

46. INTRINSICALLY

(a) internally

(b) whole-heartedly

(c) fundamentally

(d) virtually

(e) unavoidably

47. INDICATE

(a) causative

(b) forthcoming

(c) verbal

(d) abstract

(e) suggestive

48. COMPROMISING

(a) co-operating with

(b) reducing the quality

(c) hampering the progress

(d) conciliating in order to

(e) adjusting for the better

49-50. Choose the word/group of words which is most opposite in meaning to the word/group of words printed in bold as used in the passage.

49. LACK
    (a) presence
    (b) sufficiency
    (c) charisma
    (d) adequacy
    (e) dearth

50. INCONCEIVABLE
    (a) visible
    (b) truthful
    (c) incredible
    (d) apparent
    (e) complex

ANSWERS

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

Choose the letter of the option that means the same as the underlined

1. "We have <u>many brandies</u> in stock now!" declares the wholesale dealer

A. Many bottles of brandy B. Many tots of brandy C. Large quantity of brandy D. Different brands of brandy

2. Here is a <u>Daniel</u> indeed

A. A particular person called Daniel B. A man well-known as Daniel C. Daniel of the old testament D. A person who behaves like Daniel in the old testament

3. I am surprised to learn that Biebele is an *agnostic*

A. someone that believes in God B. someone who antagonizes God C. someone who is nonchalant about the existence of God D. someone who does not believe in the existence of God

4. The Doctor insisted on giving all of us *prophylactic* drugs.

A. curative B. preventive C. routine D. special

5. When we got to the vice-chancellor's house, we were told that he ---------- two days earlier.

A. may have left B. left C. had left D. has left

6. The university has a large collection of sporting -------- --.

A. equipment B. equipments C. costumes D. aids

7. After listening to the statements from the two students, the principal realized that it was a trivial argument that ----------- a serious quarrel between them.

A. touched in B. drew in C. sparked up D. brought up

Choose the most appropriate option opposite in meaning to the word(s) in italics.

8. The college was worried about Tamunosiki's *garrulous* tendencies.

A. reticent B. loquacious C. quarrelsome D. outspoken

9. Their high level of dishonesty has made that department *infamous* in the entire secretariat.

A. reputable B. notorious C. unpopular D. acceptable

10. Surveying the sky in the quiet of the night gives me an *ethereal* feeling.

A. human B. mundane C. ordinary D. earthly

11. Ibechi's reaction to the issue was m*alevolent*

A. Kindly B. Vacuous C. Ambivalent D. Volatile

12. Which of the following words contains the sound /i/? A. loved   B. liked   C. whispered   D. wondered

13. Which of the following words contains the sound/g/? A. manage   B. mirage C. gentle   D. frog

Choose the option that has the same vowel sound as the one represented by the
letter(s) underlined

14. Bl<u>oo</u>d   A. moved   B. blurred   C. son   D. plot

15. <u>O</u>btain A. odd   B. away   C. ore D. cam

16. P<u>oo</u>r   A. tearB. bore   C. floor   D. sure

17. P<u>u</u>t   A. hut   B. book   Crude   D. room

In each of questions 47 - 50 choose the option that has the appropriate stress. The
stressed syllables are written in capital letters.

18. Mathematics   A. MA-the-ma-tics B. ma-THE-ma-tics   C. ma-the-MA-tics   D. ma-the-ma-TICS

19. Examination A. e-xa-MI-na-tion   B. E-xa-mi-na-tion   C. e-xa-mi-NA-tion   D. e-xa-mi-na-TION .

20. Affordability A. a-ffor-da-BI-lity B. A-ffor-da-bi-lity C. a FFOR-da-bi-lily D. a-ffor-DA-bi-lity

After each of the following sentences, a list of possible interpretations of the sentences is
given. Choose the interpretation you consider <u>most appropriate </u>for each sentence

21. John promised to pay Shade in her own coin. This means that John A. will return
    Shade's coin B. defaulted in the payment of loan from Shade C. took a loan from
    Shade D. threatened to take revenge on Shade

22. Contrary to our expectations, the principal rose to the occasion. This means that the
    principal A. was the chairman of the occasion   B. made the most beautiful speech at
    the occasion C. proved himself able to handle the situation D. was invited as the guest
    of honour despite our objective

23. The journalist said that his story on the minster was made from observation at close quarters. Thus means that the A. journalist wrote the story within the short notice B. story was based on an interview conducted in the minister's quarters C. journalist had access to certain confidential materials D. journalist observed the minister intimately

Choose the correct syntactic patterns for the following sentences:

24. She became a doctor   A. SVC B. ASC C. SVO   D. SVAA
25. Mr. Williams bought his wife a car A. ASVO B. SVOO C. ASVC D. SAVC
26. Yesterday, the artist was wonderful A. SVAA B. SVCA C. ASVC D. SAVC

Pick the odd item from questions 27 and 28

27. A. Theme B. Protagonist C. Antagonist D. Round character
28. A. Synecdoche B. Metonymy C. Irony D. Plot

Choose the correct form of the verb to fill the following gaps

29. The pastor and chairman of the occasion……on……way   A. are, their B. is, their C. is, his D. are, his
30. Neither the daughters nor the woman……injured   A. were B. was C. will D. are

The underlined sections in the passage below might contain errors in capitalization, punctuation and correct usage. Read the passage carefully and circle the letter of the correct answer.

The quickest way to catch a cold is to shake hands with someone (31) who has a cold or touch something that a cold sufferer has (32) touched. Research has proven that cold (33) virusesis easily spread from person to person by (34) people's hands. People with colds cover their mouths with their hands when they cough or sneeze. Because of this, (35) Doctor's say that people with colds should wash their hands frequently and use personal bars of soap, towels and wash cloths. Research has shown that paper tissues are (36) better than cloth handkerchiefs because germs can live for several hours on cloth but are neutralized on tissues.

31)._____

a. whom
b. he
c. Correct as written
d. that

32). _____

a. touched. research has

b. touched; research has

c. Correct as written

d. touched; Research

33). _____

a. Correct as written

b. cold virus are

c. cold viruses' are

d. cold viruses are

34). _____

a. by peoples hands

b. Correct as written

c. people hands

d. peoples' hands

35). _____

a. better then cloth

b. Correct as written

c. better, than clothes

d. better, than cloth

For each of the following sentences, choose the correct spelling for the missing word. The words in each set of choices are homophones—words that sound alike but are spelled differently and have different meanings.

36). My favorite _____ is peach pie with vanilla ice cream.

A .desert   B. dessert

37). Do you think I should run for a seat on the city_____?

A.counsel   B. council

38). The amount for the carpet was a_____price.

A. fair   B. fare

39). This is the_____of the new art museum.

A. sight   B. cite   C. Site

40). Come_____the park later this evening to see the sunset.

A. buy   B.bye C. By

Oil filters are packed in individual boxes which are then packed into a larger cubic transport boxes. How many transport boxes of oil filters will fit into the cargo area of a lorry?

Statement 1 - Each transport box measures 50cm x 50cm x 50cm.

Statement 2 - The length and the breadth of the cargo area is 10m and 3m.

41) Which of the statements above make it possible to answer the question.

A Statement 1 alone is sufficient, but statement 2 alone is not sufficient.

B Statement 2 alone is sufficient, but statement 1 alone is not sufficient.

C Both statements together are sufficient, but neither statement alone is sufficient.

D Each statement alone is sufficient.

E Statements 1 and 2 together are not sufficient.

42) Of the teams competing in the world archery championships, twenty percent are from Europe. Half as many are from the United States and one twentieth are from Africa. What fraction of teams are from neither Europe, the US or Africa.

A 13/20

B 15/20

C 13/15

D 17/20

E 13/17

Choose the correct spelling from the options given

43) _____

A   floreseant

B   fluoresent

C   flurescent

D fluorescent

44) _____

A . preceding

B. precceding

C. preceeding

D. priceeding

45) _____

A reservior

B. resevoir

C. reservoir

D. resavoir

46) _____

A aquitted

B. acquitted

C. aquited

D. aquittid

47) _____

A feulling

B. fueling

C. fuelling

D. feuelling

48) Boat is related to Oar in the same way as Bicycle is related to ...

A. Chain

B. Pedal

C. Road

D. Wheel

49) Much is related to Many in the same way as Measure is related to ...

A. Weigh

B. Measures

C. Calculate

D. Count

50) Clue is related to Mystery in the same way as Warning is related to ...

A. Disaster

B. Precaution

C. Risk

D. Danger

ANSWER KEYS

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