

## Group A[English]

**Circle the correct answer from among the given options.  
(Multiple Choice Questions)**

1. " Don't bring ..... the fight again, please!"  
a) bring up  
b) bring down  
c) bring off  
d) bring out
2. I tried to sound happy but it ..... as over-excited.  
a) came off  
b) came down  
c) came across  
d) came out
3. The thieves manage to ..... in a stolen car.  
a) get across  
b) get away  
c) get along  
d) get about
4. I will .....to my job until may.  
a) hold down  
b) hold in  
c) hold on  
d) hold up
5. We .....out in the back of his car.  
a) made out  
b) made at  
c) make up  
d) made in
6. He .....his memories to write a book.  
a) put up  
b) put in  
c) put at  
d) put down
7. Let's ..... his number in yellow pages.  
a) look at  
b) look up  
c) look down  
d) look in
8. The synonym of "Advice" is:  
a) council  
b) counsel

9. Which one is appropriate synonym of "Harmony"?
- a) cemetery  
b) Ceremony  
c) Symmetry  
d) hierarchy
10. Give an exact synonym of "Wise".
- a) momentous  
b) pragmatic  
c) judicious  
d) delay
11. The antonym of "Insult" is:
- a) humiliation  
b) credulity  
c) degradation  
d) honor
12. Give the antonym of "Offend".
- a) angry  
b) hate  
c) force  
d) respect
13. Killing of yourself is called.....
- a) regicide  
b) genocide  
c) sororicide  
d) Suicide
14. Many religious beliefs in the ..... Soul.
- a) immoral  
b) amoral  
c) immortal  
d) Imocal
15. Football is played on a ground whereas wrestling in a .....
- a) court  
b) arena  
c) track  
d) pitch
16. The ..... document was destroyed by:
- a) factious  
b) facetious  
c) factitious  
d) fictitious
17. The students organized a .....
- a) fete  
b) feat  
c) feet  
d) fate
18. The opposite of "Exotic" is:
- a) Poor  
b) Expose  
c) Fragile  
d) Indigenous

19. We lost confidence in him because he never.....the grandiose promises he made.

- a) Forgot
- b) Tried
- c) Delivered on
- d) Relied Upon

20. A referee should be.....in the outcome of the match.

- a) uninterested
- b) disinterested
- c) involved
- d) cooperative

21. A university is where you study.....a degree.

- a) at
- b) by
- c) from
- d) for

22. Who was the first man.....the moon?

- a) at
- b) on
- c) in
- d) none of these

23. Religious leaders should not delve.....politics.

- a) with
- b) into
- c) in
- d) at

24. In the morning, I simply take a glance.....the newspaper headlines.

- a) of
- b) at
- c) over
- d) on

25. He was killed .....a highway man.....a dagger.

- a) by; with
- b) with; for
- c) by; for
- d) in; for

26. He has been absent..... Monday.

- a) since
- b) for
- c) from
- d) to

27. Shyam was no control .....his temper.

- a) after
- b) in
- c) over
- d) at

28. Peter's speech pointed.....some of our defects.

- a) at
- b) towards
- c) to
- d) on

29. Bad blood.
- a) wounded in scuffle
  - b) bitter relations
  - c) dishonest
  - d) arrogant
30. Put off.
- a) to start something
  - b) to delay for sometime
  - c) make victory
  - d) go away
31. Crocodile tears.
- a) true tears
  - b) insincere tears
  - c) very angry
  - d) very sad
32. Please don't talk.....the film.
- a) for
  - b) during
  - c) in
  - d) all of the above
33. She hung the painting.....the table.
- a) along
  - b) across
  - c) above
  - d) none of these
34. Throw up the sponge.
- a) to love
  - b) to hate
  - c) to surrender
  - d) to attack
35. Rank and file.
- a) punishment
  - b) common man
  - c) high status man
  - d) bald man
36. The study of historic or prehistoric cultures is called:
- a) climatology
  - b) anthropology
  - c) psychology
  - d) archeology

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**Read the following passage carefully and answer the questions given below it.**

Nationalism, of course, is a curious phenomenon which at a certain stage in a country's history gives life, growth and unity but, at the same time, it has a tendency to limit one, because one thinks of one's

country as something different from the rest of world. One's perspective changes and one is continuously thinking of one's own struggles and virtues and failing to the exclusion of other thoughts. The result is that the same nationalism which is the symbol of growth for a people becomes a symbol of the cessation of that growth in mind. Nationalism, when it becomes successful sometimes goes on spreading in an aggressive way and becomes a danger internationally. Whatever line of thought you follow; you arrive at the conclusion that some kind of balance must be found. Otherwise something that was good can turn into evil. Culture, which is essentially good become not only static but aggressive and something that breeds conflict and hatred when looked at from a wrong point of view. How are you find a balance, I don't know? Apart from the political and economic problems of the age, perhaps, that is the greatest problem today because behind it there is tremendous search for something which it cannot found. We turn to economic theories because they have an undoubted importance. It is folly to talk of culture or even of god. When human beings starve and die. Before one can talk about anything else one must provide the normal essentials of life to human beings. That is where economies come in. Human beings today are not in mood to tolerate this suffering and starvation and inequality when they see that the burden is not equally shared. Others profit while they only bear the burden.

37. The greatest problem in the middle of the passage refers to the question
- a) how to mitigate hardship to human beings
  - b) how to contain the dangers of aggressive nationalism.
  - c) how to share the economic burden equally.
  - d) how to curb international hatred.
38. Negative national feeling can make a nation
- a) selfish
  - b) self-centered
  - c) indifferent
  - d) dangerous
39. Suitable title for this passage can be

- a) nationalism breeds unity  
 b) nationalism-a road to world unity  
 c) nationalism is not enough  
 d) nationalism and national problems
40. 'Others' in the last sentence refers to  
 a) other people  
 b) other nations  
 c) other communities  
 d) other neighbors

### Group-B[Mathematics]

1. The slope of the line passing through the points (2,5) and (6,1) is  
 a)  $-\frac{3}{4}$                       b)  $\frac{1}{2}$                       c)  $\frac{3}{4}$                       d)  $\frac{4}{3}$
2. Two dice are tossed. The probability that the total score is a prime no. is:  
 a)  $\frac{1}{6}$                       b)  $\frac{5}{12}$                       c)  $\frac{1}{2}$                       d)  $\frac{7}{9}$
3. If A and B are two sets then  $(A-B) \cup (B-A) \cup (A \cap B)$  is equal to:  
 a)  $(A \cap B)$                       b)  $(A \cup B)$                       c) A                      d) B
4. If  $-x = -|-(2+5)|$ , the value of x is:  
 a) -7                      b) -3                      c) 3                      d) 7
5. If  $f(x) = 3x-5$ , then the value of  $f^{-1}(x)$  will be:  
 a)  $\frac{x+5}{3}$                       b)  $\frac{x+3}{2x-1}$                       c)  $\frac{x-5}{2x-1}$                       d)  $\frac{1}{3x-5}$
6. The sum of n terms of the series  $2+6+12+20+\dots$  n terms is:  
 a)  $\frac{n(n+1)(2n+1)}{6}$                       b)  $\frac{n(n+1)(n+2)}{3}$   
 c)  $\frac{n(n+1)(2n+n)}{6}$                       d)  $\frac{n(n+1)(2n+1)}{3}$
7. The value of  $\cot 180^\circ$  is equal to:  
 a) 1                      b) -1                      c) 0                      d)  $\infty$
8. A and B are square matrices of same order such that  $AB=A$  and  $BA=B$ , A is:  
 a) diagonal matrix                      b) idempotent matrix

c) null matrix

d) symmetric matrix

9. What is the area of circle in terms of  $c$  (it's circumference)?

a)  $\frac{c^2}{4\pi}$

b)  $\frac{c^2}{2\pi}$

c)  $\frac{c}{3\pi}$

d)  $\frac{c}{4\pi}$

10. The value of  $\sqrt{80} + \sqrt{125}$  is:

a)  $\sqrt[3]{5}$

b)  $\sqrt[3]{20}$

c)  $\sqrt[4]{5}$

d) 100

11. A and B are square matrix of same order,  $(A-B)^2$  is equal to:

a)  $A^2 - 2AB + B^2$

b)  $A^2 + B^2$

c)  $A^2 - 2BA^2 + B^2$

d)  $A^2 - BA - AB + B^2$

12. Each of the following is equal to  $\frac{1}{2}\%$  except:

a)  $\frac{3}{100}$

b)  $\frac{1}{200}$

c) 0.005

d)  $\frac{1\%}{2\%}$

13. 10 is what % of B?

a)  $10B\%$

b)  $\frac{10}{n}\%$

c)  $\frac{100}{n}\%$

d)  $\frac{1000}{B}$

14. The population of a town doubled every 10 year from 1960 to 1990. The % increase in population during this time was:

a) 500%

b) 600%

c) 700%

d) 800%

15. There are 45 students in a class. If 60% of them are boys, the number of girls is:

a) 19

b) 20

c) 17

d) 18

16. ABC is a right-angled triangle with perpendicular side equal to 8, and the base is equal to 6, the hypotenuse is equal to:

a) 10

b) 9

c) 7

d) 5

17. The compound interest in 1 year is Rs.100 and rate of interest is 10% p.a, the compound interest in 2 years is:

a) 1700

b) 1800

c) 2000

d) 2100

18. If an article is sold at 8% profit instead of 8% loss, it would have brought Rs.12 more. The cost price of the article is:

a) Rs.75

b) Rs.72

c) Rs.70

d) Rs.60

19. A shopkeeper bought 1 doz. Pens paying an amount of Rs.180 and sold them at the rate of Rs.18 each, what is the percentage gain or

- a)30%                      b)20%                      c)25%                      d)35%
20. The number of marbles slabs of the size  $20\text{cm} \times 30\text{cm}$  required to pave the floor of a square room of side 3 meter is:
- a)50                      b)100                      c)150                      d)200
21. What is the value of  $\sin 60^\circ$ ?
- a) $\frac{1}{2}$                       b) $\frac{\sqrt{3}}{2}$                       c) $-\frac{1}{2}$                       d) $\frac{1}{\sqrt{3}}$
22. Which one is the formula for area of scalene triangle? \
- a)  $\frac{1}{2} * b * h$                       b)  $\frac{\sqrt{3}}{4a}$
- c)  $\sqrt{s(s-a)(s-b)(s-c)}$                       d) None of these
23. A bicycle agent allows 20% discount on his advertised price and yet gains 15%, what is his advertise price of a bicycle on which he gains Rs.720?
- a) Rs.6900                      b) Rs.6500                      c) Rs.6200                      d) Rs.680-0
24. Stella paid Rs 32000 for a computer after receiving 20% discount. What is the price of computer before discount?
- a) Rs.35000                      b) Rs.38000                      c) Rs.40000                      d) Rs.42000
25. The rate of interest if the interest on Rs.3125 is Rs.375 in 2 years is:
- a)6%                      b)7%                      c)6.5%                      d)5%
26. If Hari is now three times as old as Rita 5 years ago, she was 5 times as old as he was. Now the age of Hari's is:
- a)10 years                      b)12 years                      c)24 years                      d)30 years
27. A number consists of two digits whose product is 18. If 63 is subtracted from the number, the digits are interchanged. The number is:
- a)36                      b)72                      c)38                      d)92
28. What is the surface area of a cube whose volume is 64?
- a)16                      b)64                      c)96                      d)128
29. The system of equations  $2x+3y=8$  and  $3x+4y=6$  have



- a) unique solution                      b) No solution  
c) Infinitely many solutions            d) None of these

30. If  $|x| \leq a$ , which one of the following must be true?

- a)  $-a < x < a$             b)  $-a \leq x \leq a$             c)  $-a \leq x < a$             d)  $-a < x \leq a$

31. If the function  $f(x) = ax^2 + b$ , then,  $\frac{f(x+h) - f(x)}{h}$  is:

- a)  $a(2x+2h)$             b)  $a(2x+h)$             c)  $a(3x+h)$             d)  $a(4x+h)$

32. Which one of the following is not true?

- a) Matrix addition is commutative  
b) Matrix addition is associative  
c) Matrix multiplication is commutative  
d) Matrix multiplication is associative

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33. The system of linear equations  $2x+3y=7, 10x+15y=35$  have

- a) infinitely many solution            b) a unique solution  
c) no solution                              d) finitely many solution

34. If  $x:y=2:3$ , the value of  $(3x+2y):(2x+5y)$  is:

- a)  $\frac{12}{25}$                       b)  $\frac{11}{27}$                       c)  $\frac{12}{19}$                       d)  $\frac{11}{23}$

35. If  $A:B=5:7$  and  $B:C=3:5$ , the value of  $A:B:C$  is:

- a) 15:12:35            b) 15:21:35            c) 14:20:34            d) 20:35:45

36. Form the quadratic equation whose roots are 2 and 4.

- a)  $x^2-3x+2=0$             b)  $x^2-6x+8=0$             c)  $x^2-5x+6=0$             d) none

37. What is the area of a square whose diagonal is 10?

- a) 20                      b) 30                      c) 40                      d) 50

38. The system of linear equations  $x+y+z=0, 2x-y+z=-1, x-y-z=0$  we have,

- a)  $x+y$                       b)  $y=2x$                       c)  $z=0$                       d)  $z=x$

39. The slope of the line is not defined if

- a) parallel to X-axis                      b) parallel to the line  $x-y=0$   
c) parallel to the line  $x+y=0$             d) parallel to the Y-axis

40. If  $3x+y < 4, x > 3$  which of the following must be true?

- a)  $y < -5$                       b)  $y < -10$                       c)  $x=y$                       d)  $x < 3$

41. The two numbers whose AM = 25 and GM = 20 are  
a) 20, 80 b) 20, 30 c) 20, 40 d) 20, 50
42. The arithmetic means between 10 and 18 is:  
a) 12 b) 13 c) 14 d) 15
43. By selling 45 lemons for Rs. 40, a man loses 20%. How many should he sell for Rs. 24 to gain 20% in the transaction?  
a) 16 b) 18 c) 20 d) 22
44. The cost price of an article is 40% of the selling price. The percentage that the selling price is of cost price is:  
a) 250% b) 240% c) 60% d) 40%
45. A certain article is bought for Rs. 5000 and sold for Rs. 5400. The gain percentage is  
a) 10% b) 9% c) 8% d) 7%
46. An article is sold for Rs. 100 at gain. Had it been sold for Rs. 135 there would have been a loss equal to 50% of the original gain. The cost price of the article is  
a) Rs. 140 b) Rs. 160 c) Rs. 150 d) Rs. 180
47. If an article was bought for Rs. 500 and sold it on 15% profit, the selling price is  
a) Rs. 555 b) Rs. 565 c) Rs. 575 d) Rs. 585
48. Which one is correct?  
a) Every identity matrix is a scalar matrix.  
b) Every scalar matrix is an identity matrix.  
c) Every diagonal matrix is an identity matrix.  
d) A square matrix whose each element is 1 is an identity matrix.
49. A polygon having 8 sides is called,  
a) decagon b) heptagon c) octagon d) hexagon
50. Two straight lines on the same plane which never meet are called,  
a) angles b) transversal line  
c) vertex d) parallel line

**Group C [General Knowledge]**

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1. The famous swargadwari temple is situated in,  
a) Mustang      b) Dang      c) Pyuthan      d) Gorkha
2. The largest desert in the world is,  
a) Gobi      b) Sahara      c) syrian      d) Thar
3. In computer abbreviation of CLI usually means?  
a) Code line internet      b) Command line internet  
c) Code line interest      d) Command line Interface
4. What day was yesterday if Saturday is in three day?  
a) Friday      b) Monday      c) Tuesday      d) Wednesday
5. Which district lies in state number 5?  
a) Parsa      b) Makawanpur      c) Palpa      d) Kailali
6. How many bytes are equal to 2 kilobytes?  
a) 1030 bytes      b) 2048 bytes      c) 1888 bytes      d) 2050 bytes
7. Who won the ICC World Cup 2015?  
a) India      b) England  
d) Australia      d) New Zealand
8. What is the shortcut key to redo the text in word document?  
a) CTRL+C      b) CTRL+Z  
d) CTRL+U      d) CTRL+R
9. How many districts are there in state number 3?  
a) 11      b) 13      c) 15      d) 10
10. Which of the following is not the protocol?  
a) HTTP      b) SMTP      c) POP      d) HTML

## English:

1.a	2.c	3.b	4.c	5.a	6.d	7.b	8.b
9.c	10.c	11.d	12.d	13.d	14.c	15.b	16.a
17.d	18.d	19.c	20.b	21.d	22.b	23.b	24.b
25.a	26.a	27.c	28.b	29.b	30.b	31.b	32.b
33.c	34.c	35.b	36.d	37.b	38.b	39.c	40.a

## Mathematics

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

## General Knowledge

1.c	2.b	3.d	4.d	5.c
6.b	7.d	8.d	9.b	10.d