

11.	When is National Children's day celebrated a). 5 th June b). 14 th November c). 19 th November d). 21 st June
12.	During photosynthesis in green plants, _____ 1 _____ energy is captured and used to convert _____ 2 _____, _____ 3 _____ and _____ 4 _____ & _____ 5 _____ a). Light, CO ₂ , H ₂ O, O ₂ , Energy b). Electricity, O ₂ , H ₂ O, CO ₂ , Energy c). Chemical, CO ₂ , H ₂ O, O ₂ , Energy d). Light, O ₂ , H ₂ O, CO ₂ , Energy
13.	Who is called as the Missile man India? a). K.Sivan b). Vikram sarabai c). Acharya vinobabave d). A.P.J. Abdul kalam
14.	Who is the current President of INDIA a). Narendra Modi b). A.P.J Abdul Kalam c). Ramnath Kovind d). Pranab Mukharjee
15.	Which is the national animal & bird of India respectively? a). Lion and White dove b). Lion and peacock. c). Tiger and White dove d). Tiger and peacock
16.	_____ purifies/cleans blood chemicals and impurities in human body a). Heart b). Lungs c). Liver d). Kidney
17.	Which city is called is the Detroit of India? a). Mumbai b). New delhi c). Chennai d). Bangalore
18.	Which is the tallest statue in the world currently a). Spring temple Buddha b). Statue of Unity of Shri. Sardar Vallabhai Patel c). Lay Kyun Sekkya of Buddha d). Ushiku Daibutsu of buddha
19.	Whose signs on the 500 rupee Indian currency note? a). Prime minister b). RBI governor c). President d). Finance minister
20.	Taj Mahal, One of the wonders of the world is on the bank of which river a). Ganga b). Yamuna c). Tabti d). Narmatha

GENERAL ENGLISH

Choose the Correct answer:

Marks = 30*1=30

Question No.	Question
21.	Joseph introduced me _____ his brother as the best batsman a). For b). With c). To d). By
22.	The ruling party will have to put its own house _____ order a). in b). on c). into d). to
23.	Man cannot live _____ bread alone

	a). Without	b). With	c). Over	d). By
24.	True happiness consists _____ giving pleasure to others			
	a). in	b). of	c). for	d). by
25.	There being no evidence against him, he was acquitted _____ the charge.			
	a). Of	b). From	c). Off	d). with
26.	_____ the room , the door suddenly swing, shut and hit him on the face			
	a). As he entered	b). On having entered	c). On entering	d). while entering
27.	There was nobody to attend _____ the complaints of the customers			
	a). To	b). With	c). At	d). Over
28.	Because of the heavy rain , the match was _____			
	a). called off	b). set aside	c). broken off	d). fallen off
29.	Ajit promised me that he would come _____ did not turn up.			
	a). But	b). Still	c). And	d). Though
30.	Hardly had he arrived _____ , it started raining			
	a). when	b). before	c). after	d). than
31.	The high court _____ the death sentence of the prisoners			
	a). Set about	b). Set aside	c). Set down	d). Set upon
32.	The passengers were very happy _____ the friendly and warm treatment given to them			
	a). from	b). to	c). with	d). about
33.	The sun _____ at six this morning			
	a). Arose	b). Aroused	c). Rose	d). Raised
34.	One should not be indifferent _____ the sufferings of others			
	a). of	b). at	c). above	d). to
35.	I congratulate you _____ your success			
	a). In	b). At	c). On	d). For
36.	I did _____ , I could which wasn't much			
	a). How much	b). which	c). that	d). what
37.	Wood always _____ on water			
	a). Floats	b). Floated	c). Float	d). Was floating
38.	The Doctor advised him to go _____ severe medical test			
	a). through	b). into	c). under	d). about
39.	Baggage can be covered _____ loss or accident during travel			
	a). Along	b). With	c). Against	d). For
40.	No sooner did he go in _____ he came out			
	a). than	b). and	c). then	d). when
41.	Washing Machine _____ popular in india in the last ten years or so			
	a). Have become	b). are becoming	c). became	d). are become

42.	I hate sitting _____ Him as he always smells of garlic. a). Besides b). At c). Along d). Beside
43.	It is no use _____ to come now , he is very busy a). that you ask him b). if you asked him c). to ask him d). asking him
44.	Make haste _____ We shall miss the train. a). Or b). Either c). Else d). If
45.	He has been recently discharged _____ the a). to b). from c). off d). by
46 - 50	<p>Passage: The year was 1913. The Wright brothers had just _____ 46 _____ in making an aeroplane which _____ 47 _____ flew. I was deeply interested in _____ 48 _____ and was making my own _____ 49 _____ with flying machines . I really _____ 50 _____ in that little machine I had patched together and I decided it was to prove its merits.</p> <p>46. a). Succeeded b). failed c). involved d). achieved e). decided</p> <p>47. a). hardly b). really c). highly d). strongly e). rarely</p> <p>48 a). science b). history c). flying d). geography e). moving</p> <p>49. a). judgments b). experiments c). toys d). research e). power</p> <p>50. a). disbelieved b). believed c). relied d). based e). dependent</p>

GENRAL MATHEMATICS (SECTION I)

Choose the Correct answer:

Marks = 20*1=20

Question No.	Question
51.	One of the angle of a Right angle triangle is 40° ,choose from the option any another angle of this triangle a) 50° b) 45° c) 60° d) 80°
52.	The area of the circle is ' 121π ' sq.ft; then the perimeter if the circle will be a). 5.5π b). 22π c). 11π d). 20π
53.	If the sum of two numbers is 5 and their product is 6 then find the absolute difference between the numbers a)1 b)2 c)3 d)4
54.	Find the value of $\sqrt{1+9/16} + \sqrt{9/16}$ a). 1.25 b). 1.5 c). 2 d). 2.5

55.	A man buys an article for Rs.30 and sells it for 42 . Find his gain percent a)10% b)20% c)30% d)40%
56.	Find the HCF of 70,90,&80 a).10 b). 20 c). 60 d).50 e).none of the above
57.	What is the square root of 0.0009 a)0.3 b)0.033 c) 0.03 d)3
58.	A & B are the partners in fruit selling business. A invests Rs.40,000 & B invests Rs.60,000 for their business, find the ratio of their investments a).2:5 b).2:3 c).2:6 d).2:8
59.	Arrange $-\frac{3}{7}$, $\frac{1}{4}$, $\frac{2}{3}$, $-\frac{1}{3}$ in the ascending order a). $-\frac{3}{7}$, $-\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{3}$ b). $\frac{2}{3}$, $\frac{1}{4}$, $-\frac{1}{3}$, $-\frac{3}{7}$ c). $-\frac{1}{3}$, $-\frac{3}{7}$, $\frac{2}{3}$, $\frac{1}{4}$ d). $-\frac{3}{7}$, $\frac{2}{3}$, $-\frac{1}{3}$, $\frac{1}{4}$
60.	Product of first 4 prime numbers is a).210 b). 120 c). 17 d).24
61.	If 36 men can do a piece of work in 25 hours ,in how many hours will 15 men do it? a)15 hours b)30 hours c)60 hours d)120 hours
62.	If $x=5$, $y= 3$: then which of the following equation holds good a). $3y+x^2= 16+ y^2 +3y$ b). $2x^2 = x^2 - y^2 + 3y+ 25$ c). $(x+y)^2 = x^2 - y^2 + 2xy$ d).all the above
63.	Find the SI on Rs.10000 at 5% per annum for 2 years. a)1000 b)2000 c)5000 d)1500
64.	If $x^2 = 16$, then find $x^{(3/2)}=?$ a).4 b). 8 c). 16 d).2
65.	Find the LCM of 16,24,36 &54 a)244 b) 4 c) 432 d)864 e).none of the above
66.	The sum of 3 consecutive multiples of 3 is 72 ,what is the largest number a).7 b). 21 c). 24 d).27
67.	One side of a rectangular field is 4 m and one of its diagonal is 5m . Find the area of the field a)20 m b)10m c)12 m d)16 m
68.	Raman's salary was decreased by 50% and subsequently increased by 50% again ,how much percent does he gain/loss cumulatively a).losses 35% b). losses 25% c). gains 25% d).gains 35%
69.	If $\sqrt{(x^2(x+1)^2+(x+1)^2+2x(x+1)^2)} = 4$,then $x=?$ a)2 b)3 c) 4 d)1
70.	If $\sqrt{2^n} = 16$, then $n^2 = ?$ a).9 b). 16 c). 64 d).4

GENERAL MATHEMATICS (SECTION II)

Choose the Correct answer:

Marks = $15 \times 2 = 30$

Question No.	Question
71	If the length of a rectangle is increased by 100% and the width is decreased by 50%, then the area of the rectangle will a). increases by 100% b). decreases by 50% c). remains unchanged d). will be double
72	The surface of the cube is 24 cubicmeters, the volume of the cube is a). 2sq.mts b). 8sq.mts c). 12 sq.mts d). 4sq.mts
73	A, B, C started a business by investing Rs. 200000, 400000, 600000 respectively. Find the share of A, out of an annual profit of Rs. 60000 a) 20000Rs b) 5000 Rs c) 10000 Rs d) 15000rs
74	If $x:y=3:4$, find $(4x+5y):(4x-2y)$ a) 2 b) 4 c) 8 d) 16
75	If $a+b=32$, $2a+3b=66$, find $(a-b)^2 + 2ab - a^2 = ?$ a). 900 b). 30 c). 4 d). 2
76	The average salary of all the workers in a workshop is Rs. 8000. The average salary of 7 technicians is Rs. 12000, & the average salary of the rest is Rs. 6000. The total number of workers in the workshop is a). 20 b). 21 c). 23 d). 22
77	If $2x+3y=34$ and $(x+y) \div y = 13/8$ then find the value of $5y+7x$ a) 50 b) 75 c) 25 d) 100
78	Find the average of first 40 natural numbers a) 20 b) 21 c) 20.5 d) 19.5
79	If $2^{(x-1)} + 2^{(x+1)} = 40$ then find the value of X? a) 1 b) 2 c) 4 d) 0
80	A mixture of milk and water is in the ratio of 12:3 in 1500 liters of this mixture, then the milk content is a). 300liters b). 1500 liters c). 1200 liters d). 1300 liters
81	The average of marks of 14 students was calculated as 71. but it was later found that the marks of one student had been wrongly entered as 42 instead of 56 & another as 74 instead of 32. The correct average is a). 67 b). 68 c). 69 d). 71
82	Sachin is younger than Rohit by 6 years, if their ages in the ratio of 6:8, how old is Sachin a). 6 years b). 8 years c). 10 years d). 18 years
83	A and B together can complete a piece of work in 4 days. If A alone can complete the same work in 12 days, in how many days can B alone complete that work? a) 6 days b) 1/6 days c) 3 days d) 1/3 days

84	How many seconds does adithya take to cover a distance of 400m, if he runs at a speed of 18km/hr a)20 sec b)40sec c)80 sec d)50 sec
85	At what rate percent per annum will a sum of money doubles in 10 years? a)5% b)10% c)15% d)20%