

SET A

Southern Railway

Date:07.04.2021

Time:2 hours

Max. Marks=100

PART-A

General Knowledge

Choose the Correct answer:

Marks = 20*1=20

Question No.	Question
1.	Who is the Current Railway Minister of India a).Rahul Gandhi c).Viswajeet Raj b).Suresh Prabhu d).Piyush Goyal
2.	Largest Planet Of Our Solar System is a).Jupiter c).Venus b).Earth d).Mercury
3.	What is the capital city of Maharastra and Telungana respectively a).Kolkata and Chennai b).Kolkata and Hyderabad c).Hydrabad and Kolkata d).Mumbai and Hyderabad
4.	The Unit of Power is a). Hertz b).Joules c).watt d).Ohm
5.	Indian Sportswoman Miss.P.V.Sindhu is associated with a).Tennis b).Volley Ball c).Badminton d).Table Tennis
6.	Who wrote the National anthem of India? a). Bharathiyar c). Rabindranath Tagore b).Bankim Chandra Chatterjee d).Bharathi Thasan
7.	For safety, the fuse wire used in the mains for household supply of Electricity must be made of metal having a).Low Specific heat b).High melting point c).Low melting point d).High resistance
8.	Who is the Father of Indian Constitution? a). Mahatma Ghandhi b). Jawaharlal Nehru c). Dr. B.R.Ambedkar d).Subhash Chandra Bose
9.	Deficiency of which of the vitamin causes the disease of Slow blood clotting a).Vitamin C b).Vitamin D c).Vitamin E d).Vitamin K
10.	Which solution is called as the laughing gas? a).CO ₂ b).N ₂ O c).SO ₂ d).CH ₄

11.	_____ purifies/cleans blood chemicals and impurities in human body a).Heart b).Lungs c).Liver d).Kidney
12.	Which city is called is the Detroit of India? a). Mumbai b).New delhi c).Chennai d).Bangalore
13.	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
14.	Whose signs on the 500 rupee Indian currency note? a).Prime minister b).RBI governor c).President d).Finance minister
15.	Taj Mahal,One of the wonders of the world is on the bank of which river a).Ganga b).Yamuna c).Tabti d).Narmatha
16.	When is National Children's day celebrated a). 5 th June b).14 th November c).19 th November d).21 st June
17.	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
18.	Who is called as the Missile man India? a). K.Sivan b).Vikram sarabai c).Acharya vinobabave d) A.P.J.Abdul kalam
19.	Who is the current President of INDIA a).Narendra Modi b).A.P.J Abdul Kalam c).Ramnath Kovind d).Pranab Mukhargee
20.	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

GENERAL ENGLISH

Choose the Correct answer:

Marks = 30*1=30

Question No.	Question
21.	_____ 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
22.	There was nobody to attend _____ the complaints of the customers

	a).To c).At	b).With d).Over
23.	Because of the heavy rain , the match was _____ a).called off b).set aside c).broken off d).fallen off	
24.	Ajit promised me that he would come _____ did not turn up. a).But b).Still c).And d).Though	
25.	Hardly had he arrived _____ ,it started raining a).when b).before c).after d).than	
26.	Joseph introduced me _____ his brother as the best batsman a).For b).With c).To d).By	
27.	The ruling party will have to put its own house _____ order a).in b).on c).into d).to	
28.	Man cannot live _____ bread alone a). Without b). With c).Over d).By	
29.	True happiness consists _____ giving pleasure to others a). in b).of c). for d).by	
30.	There being no evidence against him, he was acquitted _____ the charge. a). Of b).From c). Off d).with	
31.	I did _____, I could which wasn't much a). How much b). which c). that d).what	
32.	Wood always _____ on water a). Floats b).Floated c).Float d).Was floating	
33.	The Doctor advised him to go _____ severe medical test a).through b). into c).under d).about	
34.	Baggage can be covered _____ loss or accident during travel a). Along b).With c).Against d).For	
35.	No sooner did he go in _____ he came out a). than b). and c). then d).when	
36.	The high court _____ the death sentence of the prisoners a).Set about b).Set aside c).Set down d).Set upon	
37.	The passengers were very happy _____ the friendly and warm treatment given to them a). from b).to c). with d).about	
38.	The sun _____ at six this morning a).Arose b).Aroused c). Rose d).Raised	
39.	One should not be indifferent _____ the sufferings of others a). of b).at c). above d).to	
40.	I congratulate you _____ your success a).In b).At c). On d).For	
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	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. 46. a). Succeeded b). failed c). involved d)achieved e).decided 47. a). hardly b). really c). highly d)strongly e).rarely 48 a).science b). history c). flying d)geography e).moving 49. a). judgments b). experiments c). toys d)research e).power 50. a).disbelieved b). believed c).relied d)based e).dependent

GENERAL MATHEMATICS (SECTION I)

Choose the Correct answer:

Marks = 20*1=20

Question No.	Question
51.	Find the HCF of 70,90,&80 a).10 b). 20 c). 60 d).50 e).none of the above
52.	What is the square root of 0.0009 a)0.3 b)0.033 c) 0.03 d)3
53.	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
54.	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). $-\frac{3}{7}$, $\frac{2}{3}$, $-\frac{1}{3}$, $\frac{1}{4}$
55.	Product of first 4 prime numbers is a).210 b). 120 c). 17 d).24

56.	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°
57.	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
58.	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
59.	Find the value of $\sqrt{(1+9/16)} + \sqrt{(9/16)}$ a).1.25 b). 1.5 c). 2 d).2.5
60.	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%
61.	The sum of 3 consecutive multiples of 3 is 72 ,what is the largest number a).7 b). 21 c). 24 d).27
62.	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
63.	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%
64.	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
65.	If $\sqrt{2^n} = 16$, then $n^2 = ?$ a).9 b). 16 c). 64 d).4
66.	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
67.	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
68.	Find the SI on Rs.10000 at 5% per annum for 2 years. a)1000 b)2000 c)5000 d)1500
69.	If $x^2 = 16$, then find $x^{(3/2)}=?$ a).4 b). 8 c). 16 d).2
70.	Find the LCM of 16,24,36 &54 a)244 b) 4 c) 432 d)864 e).none of the above

GENERAL MATHEMATICS (SECTION II)

Choose the Correct answer:

Marks = $15 \times 2 = 30$

Question No.	Question
71	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
72	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
73	Find the average of first 40 natural numbers a)20 b)21 c)20.5 d)19.5
74	If $2^{(x-1)} + 2^{(x+1)} = 40$ then find the value of X? a)1 b)2 c)4 d)0
75	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
76	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
77	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
78	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
79	If $x:y=3:4$, find $(4x+5y):(4x-2y)$ a)2 b) 4 c)8 d)16
80	If $a+b = 32$, $2a+3b= 66$, find $(a-b)^2 + 2ab - a^2 = ?$ a).900 b). 30 c). 4 d).2
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). 10years d).18 years
83	A and B together can complete a piece of work in 4days .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%