

QUESTION BOOKLET- NTPC (GRADUATE LEVEL) POST ON
COMPASSIONATE GROUND

DATE OF EXAM:17.06.22

TOTAL MARKS:100

TIME: 90 MINUTES

PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY BEFORE YOU BEGIN TO ANSWER THE QUESTION

INSTRUCTIONS TO CANDIDATES:

- 1.This question booklet contains 73 Questions. All questions are compulsory.
2. The candidates are not permitted to use books, notebooks, calculator and mobile phone in the examination hall.
- 3.Candidates will not be allowed to leave the examination hall until the examination is over and answer sheets are collected and properly accounted.
4. Single color ink pen must be used while writing the answer sheets. Overwriting and /or corrections must be avoided.
5. There is no negative marking.
- 6.Never write your name, mobile number or any symbol etc. on the answer paper.
- 7.Please cross the blank pages after completing the answers.

SECTION I - Objective type questions (70 X 1=70 MARKS)

1. Mohiniyattam is the principal dance of the state of ___ ?
a) Odisha b) Kerela c) Assam d) Karnataka
2. The Mahabodhi Temple is located at ___ ?
a) Bodh Gaya b) Kolkata c) Gangtok d) Ranchi
3. Who is the present Governor of Meghalaya?
a) Charanjit Singh Channi b) Shri Ganga Prasad c) Shri Ramesh Bais d) Shri Satya Pal Malik
4. The International Day of Yoga is celebrated annually on ___ ?
a) 20 JUNE b) 11 JUNE c) 21 JUNE d) 23 JUNE
5. The Ranthambhore National Park is located in the state of ___ ?
a) Assam b) West Bengal c) Odisha d) Rajasthan
6. Which is the capital city of Australia?
a) Melborne b) Perth c) Sydney d) Canberra
7. The full form of UPI is ___ ?
a) Union Payments Interface b) United Payments Interface c) Unified Payments Interface d) Unique Payments Interface
8. The full form of RBI is ___ ?
a) Resource Bank of India b) Reserve Bank of India c) Risk Bank of India d) Regional Bank of India
9. Who is the present CEO of Google ___ ?
a) Mark Zuckerberg b) Vijay Mallya c) Elon Musk d) Sundar Pichai

10. Who is known as the missile man of India?
 a) APJ Abdul Kalam b) C.V Raman c) Vikram Sarabhai d) Homi J. Bhabha
11. Which is the venue of the 2028 Summer Olympic Games?
 a) Paris b) Rome c) Los Angeles d) Moscow
12. The Headquarters of World Health Organisation (WHO) is ____?
 a) Barcelona b) Geneva c) New York d) Rome
13. Who is known as the Father of White Revolution in India?
 a) Dr Verghese Kurien b) Vikram Sarabhai c) William Wedderburn d) Dadabhai Naoroji
14. Badami Caves is located in which state?
 a) Karnataka b) Maharashtra c) Rajasthan d) Bihar
15. Which of these instruments is used for testing the purity of milk?
 a) Hydrometer b) Ammeter c) Galvanometer d) Lactometer
16. Which of the following is the essential element for batteries used in electric cars?
 a) Sodium b) Lithium c) Potassium d) Bromine
17. What is the common name of Sodium Bicarbonate?
 a) Baking Soda b) Fly Ash c) Plaster of Paris d) Washing Powder
18. Which is one of the primary colors in physics?
 a) Violet b) Red c) Indigo d) Orange
19. How many members of Rajya Sabha are nominated by the President of India?
 a) 10 b) 20 c) 12 d) 15
20. Who is known as the Flying Sikh of India?
 a) Kapil Dev b) Milkha Singh c) Dhyan Chand d) Neeraj Chopra
21. Select the correct option that will fill in the blank and complete the series.
 FIN, NQV, VYD, _____, LOT
 (a) HLS (b) DGL (c) HGP (d) GLH
22. Select the correct option that will fill in the blank and complete the series.
 LYMT, NCOX, PGQB, RKSF, _____?
 (a) JKLT (b) LTMA (c) TOUJ (d) NMLP
23. If STERNLY is coded as TUF SOMZ, then how will COP be coded as ____?
 (a) XLK (b) BNO (c) DPQ (d) EQR
24. 'Blood' is related to 'Red' in the same way as 'Coal' is related to:
 (a) White (b) Green (c) Blue (d) Black
25. 'Leg Before' is related to 'Cricket' in the same way as 'Deuce' is related to:
 a) Lawn Tennis b) Football c) Basketball d) Shotput
26. Find the odd one out?
 a) BD b) FH c) IL d) KM
27. Find out the alternative which will replace the question mark?
 240:120 406:203 824:____?
 a) 408 b) 208 c) 412 d) 428
28. Find The Missing Number in the Series?
 3, 7, 4, 8, 5, _____
 (a) 2 (b) 7 (c) 8 (d) 9
29. Find The Missing Letters in the Series?
 A, Z, B, Y, C, X, _____?
 a) G b) D c) E d) F

30. Find the odd one out:

- a) Well b) River c) Lake d) Stone

31. If GIVE is coded as 5137 and BAT is coded as 924, how is GATE coded?

- a) 5427 b) 5724 c) 5247 d) 2547

32. If FRAGRANCE is written as 123423567, how can FRANCE be written?

- (a) 423123 (b) 123756 (c) 123567 (d) 123657

33. Find the mirror images of WHITE :

- A) MHITE B) EITHM C) EITHW D) ETIHW

34. If $1=1$, $2=3$, $3=5$ and $4=7$, then $5=$?

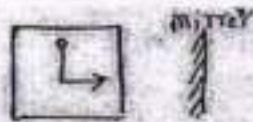
- a) 9 b) 7 c) 5 d) 2

35. Select the number from the given alternative?

7:56::5:?

- a) 25 b) 26 c) 30 d) 36

36. Find the mirror images of :



- A) B) C) D)

37. A group Photograph Shows 15 in a men in a row. Rohan is at middle. What is his Position from right end ?

- a) 7th b) 15th c) 10th d) 8th

38. 2hrs before 10:30 AM is ___?

- (a) 9:30 AM (b) 7:30 AM (c) 11:30 AM (d) 08:30 AM

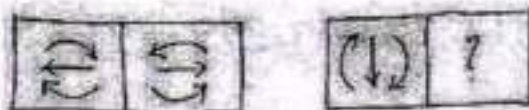
39. $150.001 + 50.01 + 500.5 = ?$

- (a) 700.011 (b) 700.051 (c) 700.511 (d) 700.515

40. In a basket there are 100 fruits. In that 25 are apples, 17 are mangoes, 38 are oranges and remaining are bananas. How many bananas are there in the basket?

- a) 10 b) 20 c) 30 d) 40

41.



- A) B) C) D)

42. A triangle consists of ___ number of angles?

- (a) 2 (b) 1 (c) 4 (d) 3

43. In the series, 1, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$ which is the biggest number ?
 (a) $\frac{1}{8}$ (b) $\frac{1}{4}$ (c) $\frac{1}{2}$ (d) 1
44. The number that corresponds to roman numeral XXIV is ?
 (a) 26 (b) 24 (c) 25 (d) 27
45. Transform 48 hours into days?
 (a) 1 (b) 2 (c) 3 (d) 4
46. Find simple interest on Rs.700 for 2 years at 2% rate of interest?
 (a) 14 (b) 42 (c) 28 (d) 21
47. The ratio of A and B is 5 : 7. The value of A is 185, then B is equal to?
 (a) 129 (b) 239 (c) 259 (d) 379
48. Monu is 2 years younger to Somu. Somu is 3 years elder to Raju. If Raju's present age is 15 years, what is the age of Monu?
 (a) 16 (b) 18 (c) 20 (d) 22
49. Sumit's monthly salary is Rs. 20000/-. In that he spends 25% to purchase food grains, 10% to pay house rent and 10% for other expenses. Remaining amount he saves in his bank account. How much amount he saves in bank every month?
 (a) Rs. 11,000/- (b) Rs. 12,000/- (c) Rs. 10,000/- (d) Rs. 13,000/-
50. A car covers a distance of 450 m in 1 minute whereas a train covers 69 km in 45 minutes. Find the ratio of their speeds(i.e. speed of car/speed of train)?
 (a) 25 : 92 (b) 26 : 92 (c) 28 : 92 (d) 27 : 92
51. A shopkeeper sells a television set at Rs 25,000 to a customer making a profit of Rs 2,000 at the set. Find the price at which he must have bought it?
 (a) Rs 23,000 (b) Rs 22,000 (c) Rs 21,000 (d) Rs 20,000
52. Evaluate the expression: $(-3)^3$
 (a) -26 (b) -27 (c) -28 (d) 27
53. Evaluate the expression: $(\frac{2}{5})^3$
 (a) $\frac{8}{25}$ (b) $\frac{8}{225}$ (c) $\frac{8}{325}$ (d) $\frac{8}{125}$
54. A is brother of B, B is the son of C, D is C's father then what is A of D?
 (a) Brother (b) Son (c) Grandfather (d) Grandson
55. Given that $(a^2+b^2)=60$, then find the value of $(a+b)^2+(a-b)^2$?
 (a) 120 (b) 130 (c) 140 (d) 150
56. If $N:38::3:57$, Find N.
 (a) $\frac{2}{3}$ (b) $\frac{1}{3}$ (c) 5 (d) 2
57. Fill in the blanks:
 $\sin A = \underline{\hspace{1cm}} \times (\cos A)$
 (A) $\sin A$ (B) $\tan A$ (C) $\cot A$ (D) $\operatorname{cosec} A$

58. The distance between two points A and B is covered in 5 hours and 30 minutes at a speed of 50 km/hr. If the speed is increased by 5 km/hr, how much time would be saved?
- (a) 10 minutes (b) 50 minutes (c) 20 minutes (d) 30 minutes
59. Rakesh is 40 years old and Amit's age is 60 years, how many years ago his age ratio was 3: 5?
- (a) 10 (b) 5 (c) 2 (d) 1
60. The average marks of a student in an examination is 63, if he had scored 20 more marks in geography and 2 more marks in history, his average marks would have been 65. How many subjects were there in the exam?
- (a) 11 (b) 15 (c) 5 (d) 6
61. Manish started his journey at 18:40 and finished at 22:20. The time taken in completing the journey is—
- (a) 3 hours 40 minutes (b) 3 hours 50 minutes (c) 3 hours 45 minutes (d) 3 hours 55 minutes
62. The average age of 8 men is increased by 2 years when two of them whose age are 21 and 23 years replaced by two new men. The age of the two new men is :
- a) 22 years (b) 24 years (c) 26 years (d) 30 years
63. The angle between the minute hand and the hour hand of a clock when the time is 4.20, is:
- a) 10° (b) 30° (c) 40° (d) 20°
64. Find the product : 6.3204×100
- (A) 63204 (b) 63.204 (C) 632.04 (D) 6320.4
65. What is the square root of 151321?
- (a) 385 (b) 389 (c) 387 (d) 386
66. The average weight of A, B and C is 70 kg. But the average weight of A and B is 90kg. What is the weight of C?
- (a) 32kg (b) 31kg (c) 30kg (d) 35kg
67. A cricketer scored at an average of 52 runs in 8 matches. The average of first 5 matches was 50, the average of the last 3 matches is ?
- (a) 51.5 (b) 52.5 (c) 53.5 (d) 55.3
68. A car moves at 120 kmph, the distance covered by it in 15 minutes, is?
- (a) 20km (b) 30km (c) 40km (d) 50km
69. If difference between the ages of X and Y is 12 years and the ratio of their ages is 3 : 7, then what is the age of Y?
- (a) 4 years (b) 41 years (c) 31 years (d) 21 years
70. A train running at a speed of 108 kmph passes a pole on the platform in 18 seconds. Find the length of the train in metres?
- a) 1200 metres (b) 540 metres (c) 1000 metres (d) 1600 metres

Section 2-Subjective type questions (10x3=30marks)

- 71. Write an essay on "Pollution: A Threat to Life"**
- 72. Write an essay on "Negative effects of social media"**
- 73. Write an essay on "Covid 19 and its impact"**