

TNFUSRC Forester, Forest Guard Model Question Paper GS - 3

- The scientific analysis and study of interactions among organisms and the environment is called -  
\*A. Ecology B. Microbiology  
C. Entomology D. Ornithology
- Simplify:  $(\frac{2}{5} + \frac{2}{9}) \div (\frac{2}{5} + \frac{5}{9})$   
A. 28/45 \*B. 28/43  
C. 27/34 D. 7/17
- P is twice as good at Q. Together, they finish the task in 22 days. In how many days can Q alone do the same work?  
A. 66 days B. 22 days  
\*C. 33 days D. 99 days
- Who was the first human to journey into outer space?  
A. Neil Armstrong \*B. Yuri Gagarin  
C. Buzz Aldrin D. John Glenn
- Which of the following cells in the human body do not contain mitochondria?  
\*A. Red blood cells B. Liver cell  
C. Muscle cell D. White blood cells
- If the resistance of a circuit is doubled, keeping a constant voltage, then the current through the circuit would -  
A. Increase by half \*B. Reduce by half  
C. Remain constant D. Become zero
- P is 5ft tall and he notices that he casts a shadow that's 7 ft long. He then measures that the shadow cast by his school building is 42 ft long. How tall is the building?  
A. 50 ft B. 36 ft  
\*C. 30 ft D. 32 ft
- Find the LCM of 13, 19, 21 and 22.  
\*A. 114114 B. 124124  
C. 141114 D. 142214
- If X 393 is divisible by 11, find the value of the smallest natural number X?  
A. 5 B. 6 C. 7 \*D. 8
- The genome can survive without food or water for 10 years and is also known as the moss piglet.  
A. Deathstalker Scorpion  
B. Mountain Goat  
\*C. Tardigrade  
D. Black Mamba
- The HCF and LCM of two numbers are 7 and 252 respectively. If one of the numbers is 28, find the other number.  
A. 232 \*B. 63  
C. 126 D. 56
- What does our scientific name 'Homo Sapiens' mean?  
A. Erect Man B. Tall Man  
\*C. Wise Man D. Working Man
- Choose the pair which is related in the same way as the words in the first pair from the given choices. LION: ROAR:: OWL: \_\_\_\_  
A. HOWL B. ORUNT  
\*C. HOOT D. CROAK
- The average of first 20 multiples of 8 is:  
A. 78 B. 80  
\*C. 84 D. 82
- Boy is Bijoy related to Sharmila if he introduced her as his mother's mother's only granddaughter's daughter?  
A. Father B. Cousin  
C. Grandfather \*D. Maternal Uncle
- This Yemeni journalist and politician won the 2011 Nobel Peace Prize for her human rights contribution. Who is she?  
A. Leymah Gbowee \*B. Tawakkol Kanna

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17. C. Ellen Sirleaf      D. ShirinEbadi  
Project Tiger is the most famous wildlife conservation project of India to protest the diminishing population of Indian tigers was launched in the year-  
A. 1971      **\*B. 1973**  
C. 1978      D. 1982
18. Through which of the following countries does the river Brahmaputra not flow?  
A. China      B. Bangladesh  
C. India      **\*D. Nepal**
19. Which of the following is NOT a type of stem cell?  
A. Umbilical      B. Fetal  
C. Embryonic      **\*D. Fat**
20. Which of the following is True?  
**\*A. The image formed at the retina is inverted**  
B. The image formed at the retina is twice the original image  
C. The image formed at the retina is of same size as the object  
D. The image formed at the retina is erect
21. Indian coast guard celebrated its \_\_\_\_\_ foundation day on 1st February 2018  
A. 40th      **\*B. 41st**  
C. 42nd      D. 43rd
22. Who gave the order which caused the Jallianwala Baug Massacre?  
**\*A. Colonel Reginald Dyer**  
B. Michael O'Dwyer  
C. H. H. Asquith  
D. Winston Churchill
23. What should be the minimum age of a person to be nominated as the Prime Minister of India?  
A. 25 years if he is a member of the Rajya Sabha  
**\*B. 25 years if he is a member of the Lok Sabha**  
C. 30 years if he is a member of the Rajya Sabha  
D. 30 years if he is a member of the Lok Sabha
24. If the code for STUDENT is NVPFZPO then what is the code for TEACHER?  
**\*A. OGVECGM**      B. OZVXCMB  
C. VGCEJGT      D. VZCXJBT
25. Select the correct set of symbols:  $84 \ 12 \ 5 \ 6 = 41$   
A.  $\times, -, \div$       B.  $+, \div, -$   
C.  $+, -, \div$       **\*D.  $\div, \times, +$**
26. What does CRISPR stand for?  
A. Categorically regularly-interspaced short palindromic reserve  
B. Categorically regularly-interspaced shunt palindromic repeats  
**\*C. Clustered regularly-interspaced short palindromic repeats**  
D. Categorically regularly-interspaced short palindromic repeats
27. A two digit number is four times the sum of its digits. If 27 is added to the number, it becomes seven times the sum of the digits. What is the two digit number?  
A. 24    B. 12      C. 48    **\*D. 36**
28. Animal species are getting endangered mostly due to -  
**\*A. Habitat Fragmentation**  
B. Acid Rain  
C. Over Hunting  
D. Lack of Water
29. Which of the following Mosques was commissioned to be built by Mughal Emperor Shah Jahan?  
**\*A. Jama Masjid, Delhi**  
B. Badshahi Masjid, Lahore  
C. Kabuli Bang Mosque, Haryana  
D. Qila-i-kuhna Mosque. Delhi
30. Two poles of the height 12m and 17 m stand vertically upright on a plane ground. If the

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- distance between their feet is 12 m, find the distance between their tops.  
A. 11m                      B. 12m  
**\*C. 13 m**                      D. 14 m
31. NaCl is the chemical formula of  
A. Ammonia                      B. Water  
**\*C. Salt**                      D. Sugar
32. The Great Ashoka was a part of -  
**\*A. Maurya Dynasty**  
B. Mughal Dynasty  
C. Gupta Dynasty  
D. Chola Dynasty
33. Which of the following is the unit used to measure the speed of modem printers?  
A. characters per min (cpm)  
B. lines per min (lpm)  
**\*C. pages per min (ppm)**  
D. words per min (wpm)
34. Select the correct set of symbols:  $25 \ 5 \ 17 \ 9 = 133$   
A.  $\times, -, \div$                       B.  $+, \div, -$   
C.  $+, -, \div$                       **\*D.  $\times, +, -$**
35. The Indian Parliament building at New Delhi was designed by -  
**\*A. Sir Edwin Lutyens and Sir Herbert Baker**  
B. Duke of Connaught  
C. Sir John Archer and Sir Edward Bartley  
D. Sir Claude Batley and Sir John Begg
36. Ramkhelia is a folk dance from -  
A. Haryana                      B. Kerala  
**\*C. Bihar**                      D. Madhya Pradesh
37. Compute:  $0.00081 \div 0.09$   
A. 0.09                      **\*B. 0.009**  
C. 0.9                      D. 0.0009
38. If the cost price of 90 tables is equal to the selling price of 60 tables, find the profit percent  
A. 33.33%                      B. 40%
- \*C. 50%**                      D. 60%
39. World Wetlands day observed on?  
A. Feb 1                      **\*B. Feb 2**  
C. Feb 3                      D. Feb 4
40. If COIL = 315912 and POLICE = 161512935 then PRICE =  
A. 1516824                      B. 1517824  
**\*C. 1618935**                      D. 1718935
41. A ladder 20 m long is leaning against a vertical wall. It makes an angle of  $60^\circ$  with the ground. How far is the foot of the ladder from the wall?  
**\*A. 10 m**                      B. 17.32 m  
C. 34.64m                      D. 30 m
42. Which of the following planets has no moon?  
A. Jupiter                      B. Mars  
**\*C. Venus**                      D. Neptune
43. A certain sum of money was invested at simple interest at a certain rate for 6 years. Had it been invested at 3% higher rate, it would have yielded Rs. 900 more. What was the principal invested?  
A. Rs.3500                      B. Rs.4000  
C. Rs.4500                      **\*D. Rs.5000**
44. From which mineral is radium obtained?  
A. Rutile                      B. Haematite  
C. Limestone                      **\*D. Pitchblende**
45. Choose the pair which is related in the same way as the words in the first pair from the given choices.  
BIHAR: PATNA: GUJARAT: \_\_\_\_\_  
**\*A. GANDHINAGAR**  
B. JAIPUR  
C. AHMEDABAD  
D. DAMAN

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46. The sum of digits of a two-digit number is 13. When the digits are reversed, the number decreases by 27. Find the changed number.  
A. 85 B. 76 C. 67 **\*D. 58**
47. What is the mode of the following list of numbers: 72, 74, 75, 76, 75, 74, 73, 75, 73, 71, and 777  
A. 73 B. 74 **\*C. 75** D. 72
48. Which of the following Indian states cultivates Saffron?  
**\*A. Jammu and Kashmir**  
B. Uttar Pradesh  
C. Assam  
D. Sikkim
49. If '+' means  $\times$ , '-' means  $\div$ , ' $\times$ ' means + and compute the value of the expression;  
 $35 - 5 + 6 \times 7$   
A. 45 **\*B. 49** C. 55 D. 51
50. Three numbers are in the ratio of 4:5:7 and their sum is 320. Find the sum of the smallest and the largest of the three numbers.  
A. 140 **\*B. 220**  
C. 240 D. 180
51. Sri Lanka (then Ceylon) was granted independence as the Dominion of Ceylon in the year -  
**\*A. 1948** B. 1972  
C. 1947 D. 1968
52. Anita is Arjun's maternal uncle's father's only daughter. How is Anita related to Arjun?  
A. Sister **\*B. Mother**  
C. Paternal Aunt D. Daughter
53. What will Rs.80,000 amount to in 2 years at the rate of 20% p.a., if interest is compounded half yearly?  
A. Rs.97,240 **\*B. Rs.115,200**  
C. Rs.117,128 D. Rs.120,000
54. Which of the following is NOT a cause of water pollution?  
A. Marine Dumping B. Household Waste  
**\*C. Onshore Fishing** D. Oil Spillage
55. Choose the one which is different or odd from the following.  
**\*A. Sirius** B. Mars  
C. Neptune D. Saturn
56.  $3.26 \times 7.2 =$   
A. 20.342 **\*B. 23.472**  
C. 22.012 D. 21.432
57. In badminton, which of the following is a hard-hit overhead shot that forces the shuttle sharply downwards into the opponent's court?  
**\*A. Smash** B. Wood shot  
C. Hairpin shot D. Drive
58. A shopkeeper marks the price of an article at Rs.160. Find the cost price if after allowing a discount of 10% he still gains 20% on the cost price.  
A. Rs.140 **\*B. Rs.120**  
C. Rs.150 D. Rs.132
59. Which of the following countries gained independence in 2011?  
A. Eritrea **\*B. South Sudan**  
C. Slovakia D. Brunei
60. Before Independence, which of the following was a French colony?  
**\*A. Puducherry** B. Patna  
C. Surat D. Goa
61. A man is 26 years older than his son. Three years hence, he will be three times as old as his son. What is the present age of the father?  
A. 10 years **\*B. 36 years**  
C. 32 years D. 40 years
62. Women competed in all the sports in Olympic Games for the first time in the year -  
A. 1900 **\*B. 2012**

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- C. 2014                      D. 1960
63. Which of the following cannot be modified once it is programmed by the manufacturer/computer user?  
A. EPROM                      B. RAM  
C. EEPROM                      **\*D. ROM**
64. John said, "Sharon is my paternal grandmother's only son's daughter". How is Sharon related to John?  
**\*A. Sister**                      B. Maternal Aunt  
C. Cousin                      D. Mother
65. Which country will host the 2019 Rugby World Cup?  
A. New Zealand                      B. Australia  
C. England                      **\*D. Japan**
66. P bought an article for Rs.1200 and sold it at a profit of 10%. What would have been the increase in the profit percent if it was sold for Rs.1380?  
**\*A. 5%**                      B. 10%  
C. 12%                      D. 15%
67. Which of the following German scientist discovered X-rays?  
**\*A. Wilhelm Roentgen**                      B. Philipp Lenard  
C. Marie Curie                      D. William Crookes
68. Work together, A and B can do a piece of work in 40 days. The rate at which they work is in the ratio 8:5. How many days will A alone take to complete the work?  
**\*A. 65 days**                      B. 40 days  
C. 72 days                      D. 104 days
69. The first Union budget of independent India was presented by whom?  
**\*A. K. Shanmugham Chetty**  
B. Rajendra Prasad  
C. Moraji Desai  
D. Suchetha Kripalini
70. From which country are the emergency provisions of the Indian Constitution borrowed?  
A. USA                      B. UK  
**\*C. Germany**                      D. Canada
71. Which of the following was India's first exclusive defence satellite launched in 2013?  
**\*A. GSAT-7**                      B. GSAT-6  
C. INSAT-4B                      D. KALPANA-1
72. Who was the first scientist to create a periodic table of elements?  
A. Henry Moseley                      B. Robert Boyle  
**\*C. Dmitri Mendeleev**                      D. John Newlands