MODEL TEST PAPER - 2

FOR

COMMON ENTRANCE EXAMINATION (SOLDIER TRADESMAN 10TH STD)

Time: 1 Hour

Maximum Marks: 100
Pass Marks: 32

Part – I
GENERAL KNOWLEDGE

Choose the correct answer:

1. The source of Narmada river is ………………
   (a) Guwahati (b) Nasik (c) Amarkantak Plateau (d) Betul
   (Ans C)

2. Where is the birth place of Lord Mahavira ?
   (a) Vashali (b) Gaya (c) Patilputra (d) Kapilvastu
   (Ans D)

3. No of the permanent members in the UN security council are ……
   (a) 12 (b) 5 (c) 15 (d) 7
   (Ans B)

4. Where is the Tomb of Humayun ?
   • Delhi (b) Ludhiana (c) Bhatinda (d) Agra
   (Ans A)

5. Who was the founder of Vijayanagar ?
   (a) Dev Raj-I (b) Harihar (c) Krishna Dev Raya (d) Harihar – II
   (Ans B)

6. What is the tenure of a Rajya Sabha member ?
   (a) 5 years (b) 4 years (c) 6 years (d) None of these
   (Ans C)

7. On which day is United Nations Day celebrated ?
   (a) 2 October (b) 14 October (c) 24 October (d) None of these
   (Ans C)

8. How many players comprise each team in water polo ?
   (a) 7 (b) 11 (c) 5 (d) None of these
   (Ans A)

9. The book ‘Discovery of India’ was written by …………..
   (a) Dr Rajendra Prasad (b) Jawahar Lal Nehru
   (c) Sardar Vallabhbhai Patel (d) None of these
   (Ans B)
10. Which is the longest Dam in India?  
   (a) Hirakund Dam  
   (b) Pong Dam  
   (c) Mandi Project  
   (d) None of these  
   (Ans A)

11. McMohan line divides which two countries?  
   (a) India & China  
   (b) India & Nepal  
   (c) Pakistan & Afghanistan  
   (d) China & Afghanistan  
   (Ans A)

12. In which State is Khajuraho situated?  
   (a) Andhra Pradesh  
   (b) Maharashtra  
   (c) Madhya Pradesh  
   (d) None of these  
   (Ans C)

13. In which State is Tarapur Nuclear Power Plant located?  
   (a) Maharashtra  
   (b) Madhya Pradesh  
   (c) Karnataka  
   (d) None of these  
   (Ans A)

14. Number of Permanent members in the UN Security Council is:  
   (a) 12  
   (b) 15  
   (c) 5  
   (d) None of these  
   (Ans C)

15. The book ‘Prison Diary’ was written by ……………….  
   (a) Jayaprakash Narayan  
   (b) Rabindranath Tagore  
   (c) Kiran Nagarkar  
   (d) None of these  
   (Ans A)

16. Ranthambore is famous for:  
   (a) Tiger  
   (b) Elephant  
   (c) Rhinoceros  
   (d) Panther  
   (Ans A)

17. The Tehri Dam is being constructed on the river:  
   (a) Ganga  
   (b) Yamuna  
   (c) Bhagirathi  
   (d) Sutlej  
   (Ans C)

18. Petroleum was first discovered in India at:  
   (a) Bombay High  
   (b) Haldia  
   (c) Digboi  
   (d) Koyali  
   (Ans A)

19. Who among the following the is an activist working for Chipko Movement in India? (Ans C)  
   (a) Baba Amte  
   (b) Swami Agnivesh  
   (c) Sunderlal Bahuguna  
   (d) Rawal

20. The only Indian recipient of Nishan – e – Pakistan is:  
   (a) Lal Bahadur Shastri  
   (b) Maulana Azad  
   (c) Morarji Desai  
   (d) Indira Gandhi  
   (Ans B)

PART - II
GENERAL SCIENCE

Choose the correct answer:

1. Which of the following is a good conductor of heat?  
   (Ans C)
2. Which of the following is a vector quantity?  
(a) Time  
(b) Volume  
(c) Velocity  
(d) None  
(Ans C)

3. Which is a metal in liquid form?  
(a) Al  
(b) Ca  
(c) Fe  
(d) Hg  
(Ans D)

4. Rabies is caused due to  
(a) Human bite  
(b) Dog bite  
(c) Snake bite  
(d) Rat bite  
(Ans B)

5. At what temperature Fahrenheit and Celsius are equal?  
(a) -20°C  
(b) -30°C  
(c) -10°C  
(d) -40°C  
(Ans D)

6. Heavy drinking of alcohol affects which body part?  
(a) eye  
(b) ear  
(c) liver  
(d) None  
(Ans C)

7. What is v in \( v = u + at \)?  
(a) initial velocity  
(b) acceleration  
(c) energy  
(d) final velocity  
(Ans D)

8. Chlorophyll is present in  
(a) plant  
(b) Birds  
(c) animal  
(d) None of these  
(Ans A)

9. Swine flu is caused by  
(a) Hen  
(b) pig  
(c) snake  
(d) None of these  
(Ans B)

10. Water at 0°C becomes  
(a) ice  
(b) water vapour  
(c) remains water  
(d) milky water  
(Ans A)

11. Cataract is a disease of  
(a) eye  
(b) skin  
(c) brain  
(d) none  
(Ans A)

12. Vitamin A is found in  
(a) Glass  
(b) wood  
(c) silver  
(d) None  
(Ans A)
13. Altimeter is used to measure what? (Ans D)
   (a) Pressure  (b) Temperature
   (c) Light  (d) Depth

14. During night plants exale which gas? (Ans B)
   (a) O₂  (b) CO₂
   (c) CO  (d) H₂

15. Pneumonia affects which part of the body? (Ans D)
   (a) Heart  (b) Brain
   (c) Legs  (d) Lungs

Part – III
MATHEMATICS

Choose the correct answer:

36. \(4^2 = \) (Ans C)
   (a) 8  (b) 24
   (c) 16  (d) 4

37. \(\sqrt{225} = ?\) (Ans B)
   (a) 25  (b) 15
   (c) 19  (d) 11

38. Value of \(\pi\) is (Ans C)
   (a) \(\frac{7}{22}\)  (b) \(\frac{21}{7}\)
   (c) 3.14  (d) 5

39. \(1000 + 100 + 10 + 1 = ?\) (Ans C)
   • 1101
   • 1111

40. If \(2x - 5 = 0\) then \(x = ?\) (Ans C)
   (a) 3  (b) 5
   (c) \(\frac{5}{2}\)  (d) \(\frac{2}{5}\)

41. Add \(\frac{2}{10} + \frac{4}{100} + \frac{80}{100} = ?\) (Ans D)
   (a) \(\frac{86}{110}\)  (b) \(\frac{26}{25}\)
   (c) \(\frac{102}{1000}\)  (d) \(\frac{104}{100}\)
42. If speed of car is 60 km/hr, how much does the car travel in 45 minutes?  (Ans B)  
(a) 20 kms  
(b) 45 kms  
(c) 60 kms  
(d) 30 kms

43. If cost price of 1 kg apples is Rs 600/- and selling price is Rs 720/-, what is the percentage of profit?  (Ans A)  
(a) 20%  
(b) 15%  
(c) 10%  
(d) 25%

44. In Jalandhar city there are 50,00,000 men and 25,00,000 women. Find the ratio of men and women.  
(Ans B)  
(a) 50:1  
(b) 2:1  
(c) 1:2  
(d) 1:1

45. Calculate speed of car, if it travels 100 kms in 2 hrs.  (Ans B)  
(a) 20 km/hr  
(b) 50 km/hr  
(c) 100 km/hr  
(d) 60 km/hr

46. Solve $\frac{18}{9} - \frac{27}{3} = ?$  
(Ans C)  
(a) 7  
(b) 1  
(c) -7  
(d) 0

47. Complete the series 7, 14, 21, 28, ___, 42, 49  
(Ans C)  
(a) 77  
(b) 39  
(c) 35  
(d) 71

48. Ram purchased a scooter for Rs 30,000/- with a discount of 5%. What price did Ramu pay for the scooter?  
(Ans D)  
(a) 25000/-  
(b) 28000/-  
(c) 25500/-  
(d) 28500/-

49. $0.02 \times 700 = ?$  
(Ans A)  
(a) 14  
(b) 1.4  
(c) 140  
(d) 1400

50. 1, 3, 9, ____  
(Ans C)  
(a) 18  
(b) 25  
(c) 27  
(d) 35

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