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 ………………   (Ans C)
      (a)   Guwahati   (b)   Nasik
      (c)   Amarkantak Plateau   (d)   Betul

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

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

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

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

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

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

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

9.   The book 'Discovery of India' was written by ……………   (Ans B)
      (a)   Dr Rajendra Prasad   (b)   Jawahar Lal Nehru
      (c)   Sardar Vallabbhai Patel (d)   None of these

10. Which is the longest Dam in India ?   (Ans A)
   (a)   Hirakund Dam   (b)   Pong Dam
   (c)   Mandi Project   (d)   None of these

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

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

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

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

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

16. Ranthambore is famous for :   (Ans A)

   (a)   Tiger   (b)   Elephant
   (c)   Rhinoceros   (d)   Panther

17. The Tehri Dam is being constructed on the river :   (Ans C)

   (a)   Ganga   (b)   Yamuna
   (c)   Bhagirathi   (d)   Sutlej

18. Petroleum was first discovered in India at :   (Ans A)

   (a)   Bombay High   (b)   Haldia
   (c)   Digboi   (d)   Koyali

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 :   (Ans B)

   (a)   Lal Bahadur Shastri   (b)   Maulana Azad
   (c)   Morarji Desai   (d)   Indira Gandhi

PART - II
GENERAL SCIENCE

Choose the correct answer:

1.   Which of the following is a good conductor of heat ?   (Ans C)

(a) Glass	(b) wood
(c) silver	(d) None

2. Which of the following is a vector quantity ?   (Ans C)

(a) Time	(b) Volume
(c) Velocity	(d) None

3. Which is a metal in liquid form ?   (Ans D)

(a) Al	(b) Ca
(c) Fe	(d) Hg

4. Rabies is caused due to   (Ans B)

(a) Human bite	(b) Dog bite
(c) Snake bite	(d) Rat bite

5. At what temperature Fahrenhiet and Celsius are equal ?   (Ans D)

(a) -20^0c	(b) -30^0c
(c) -10^0c	(d) -40^0c

6. Heavy drinking of alcohol affects which body part ?   (Ans C)

(a) eye	(b) ear
(c) liver	(d) None

7. What is v in v = u + at   (Ans D)

(a) intitial velocity	(b) accelaration
(c) energy	(d) final velocity

8. Chlorophyll is present in   (Ans A)

(a) plant	(b) Birds
(c) animal	(d) None of these

9. Swine flu is caused by   (Ans B)

(a) Hen	(b) pig
(c) snake	(d) None of these

4

10. Water at 0^0 becomes   (Ans A)

(a) ice	(b) water vapour
(c) remains water	(d) milky water

11. Cataract is a disease of   (Ans A)

(a) eye	(b) skin
(c) brain	(d) none

12. Vitamin A is found in   (Ans A)

(a)	Apple	(b)	Orange
(c)	lemon	(d)	carrot

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)	O_2	(b)	CO_2
(c)	CO	(d)	H_2

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 π is   (Ans C)

(a)	7/22	(b)	21/7
(c)	3.14	(d)	5

39. 1000 + 100 + 10 + 1 = ?   (Ans C)

- 1101   (b)   1011
- 1111   (d)   1110

40. If $2x – 5 = 0$ then x = ?   (Ans C)

(a)	3	(b)	5
(c)	5/2	(d)	2/5

41. Add 2/10 + 4/100 + 80 / 100 = ?   (Ans D)

(a)	86/110	(b)	26/25
(c)	102/1000	(d)	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 $18/9 - 27/3 = ?$ (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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