

Free Practice PDF

CRPF Tradesman 2023 Memory-Based Previous Year Paper

Reconstructed Practice Questions with Answers and Short Explanations for CRPF Constable Technical & Tradesman CBT preparation.

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Particular	Details
Exam	CRPF Constable Technical & Tradesman
Format	100 MCQs with answers and explanations
Sections	Reasoning, Mathematics, GK, English, Hindi
Best Use	Mock test, revision, article downloadable asset

How to Use This PDF

Attempt all questions in a single sitting. First solve the paper without checking answers. Then review the answer key and explanations. Mark weak topics and revise them before attempting the next mock test.

General Intelligence & Reasoning

Q1. Find the next number in the series: 4, 9, 19, 39, 79, ?

- A. 119
- B. 139
- C. 159
- D. 169

Answer: C

Explanation: Each term is multiplied by 2 and then 1 is added: $4 \times 2 + 1 = 9$, $9 \times 2 + 1 = 19$.

Q2. If TRAIN is coded as USBJO, then PLANE will be coded as:

- A. QMBOF
- B. QMBNE
- C. OKZMD
- D. RMBPG

Answer: A

Explanation: Each letter is shifted one step forward in the alphabet.

Q3. A man faces east. He turns right, then left, then right again. In which direction is he facing?

- A. North
- B. South
- C. East
- D. West

Answer: B

Explanation: East $\rightarrow$ right South $\rightarrow$ left East $\rightarrow$ right South.

Q4. Choose the odd one out.

- A. Triangle
- B. Square
- C. Rectangle
- D. Cylinder

Answer: D

Explanation: Triangle, square and rectangle are plane figures; cylinder is a solid figure.

Q5. Book is related to Reading in the same way as Pen is related to:

- A. Writing
- B. Drawing
- C. Ink
- D. Paper

Answer: A

Explanation: A book is used for reading; a pen is used for writing.

Q6. If A = 1, C = 3, F = 6, J = 10, then O = ?

- A. 14
- B. 15
- C. 16
- D. 17

Answer: B

Explanation: A,C,F,J,O positions are 1,3,6,10,15.

Q7. Complete the series: Z, X, U, Q, L, ?

- A. G
- B. F
- C. E
- D. D

Answer: B

Explanation: The gap increases by 1: -2, -3, -4, -5, so next is -6 from L = F.

Q8. Rahul is the brother of Sita. Sita is the daughter of Mohan. How is Mohan related to Rahul?

- A. Brother
- B. Father
- C. Uncle
- D. Grandfather

Answer: B

Explanation: If Sita and Rahul are siblings and Sita is Mohan's daughter, Mohan is Rahul's father.

Q9. In a row, Aman is 12th from the left and 18th from the right. How many persons are in the row?

- A. 28
- B. 29
- C. 30
- D. 31

Answer: B

Explanation: Total = $12 + 18 - 1 = 29$.

Q10. Find the missing number: 6, 12, 24, 48, ?

- A. 72
- B. 84
- C. 96
- D. 108

Answer: C

Explanation: Each number is doubled.

Q11. If COLD is coded as DPME, then WARM is coded as:

- A. XBSN
- B. XARN
- C. VZQL
- D. YCTO

Answer: A

Explanation: Each letter is shifted one step forward.

Q12. Which number is different from the rest?

- A. 16
- B. 25
- C. 36
- D. 54

Answer: D

Explanation: 16, 25 and 36 are perfect squares; 54 is not.

**Q13. Statement: All soldiers are brave. Some brave people are officers.
Conclusion: Some soldiers are officers. Is the conclusion definitely true?**

- A. Yes
- B. No
- C. Cannot be determined
- D. None

Answer: C

Explanation: The statement does not confirm that soldiers and officers overlap.

Q14. If today is Monday, what day will it be after 45 days?

- A. Tuesday
- B. Wednesday
- C. Thursday
- D. Friday

Answer: C

Explanation: $45 \bmod 7 = 3$; Monday + 3 days = Thursday.

Q15. Find the pair that has the same relationship: Eye : See :: Ear : ?

- A. Speak
- B. Hear
- C. Walk
- D. Touch

Answer: B

Explanation: Eyes are used to see; ears are used to hear.

Q16. A clock shows 3:15. What is the angle between hour hand and minute hand?

- A. 0 degree
- B. 7.5 degrees
- C. 15 degrees
- D. 30 degrees

Answer: B

Explanation: At 3:15, hour hand moves 7.5 degrees ahead of 3; minute hand is at 90 degrees.

Q17. Complete: 3, 8, 15, 24, 35, ?

- A. 46
- B. 48
- C. 50
- D. 52

Answer: B

Explanation: Differences are 5, 7, 9, 11; next difference is 13. So $35+13=48$.

Q18. If NORTH is written as OPSUI, then SOUTH is written as:

- A. TPVUI
- B. RNTGS
- C. UQVVI
- D. TPWUI

Answer: A

Explanation: Each letter is shifted one step forward.

Q19. Arrange in logical order: Interview, Application, Selection, Joining

- A. Application, Interview, Selection, Joining
- B. Interview, Application, Joining, Selection
- C. Selection, Application, Interview, Joining
- D. Joining, Selection, Interview, Application

Answer: A

Explanation: The usual order is application, interview, selection, joining.

Q20. Which word cannot be formed from the letters of ADMINISTRATION?

- A. MINISTER
- B. RATIO
- C. TRAIN
- D. STATION

Answer: A

Explanation: The word MINISTER needs E, which is not in ADMINISTRATION.

Q21. If $8 + 4 = 96$ and $6 + 3 = 54$, then $7 + 2 = ?$

- A. 42
- B. 49
- C. 63
- D. 72

Answer: A

Explanation: Pattern: $a + b$ means $a \times b \times 3$. So $7 \times 2 \times 3 = 42$.

Q22. Find the missing term: AZ, BY, CX, DW, ?

- A. EV
- B. FU
- C. GV
- D. EW

Answer: A

Explanation: First letter increases while second letter decreases.

Q23. If Ramesh is taller than Suresh and Suresh is taller than Mukesh, who is the shortest?

- A. Ramesh
- B. Suresh
- C. Mukesh
- D. Cannot say

Answer: C

Explanation: Order is Ramesh > Suresh > Mukesh.

Q24. Choose the correct Venn relation: Women, Mothers, Humans

- A. All are separate
- B. Mothers are inside Women, Women inside Humans
- C. Women inside Mothers
- D. Humans inside Mothers

Answer: B

Explanation: Mothers are a subset of women, and women are humans.

Q25. Find the next letter group: AB, DE, HI, MN, ?

- A. RS
- B. ST
- C. TU
- D. QR

Answer: B

Explanation: Starting letters move +3, +4, +5, +6: A,D,H,M,S.

Elementary Mathematics

Q26. Find 18% of 750.

- A. 125
- B. 135
- C. 145
- D. 150

Answer: B

Explanation: $18\% \text{ of } 750 = 750 \times 18 / 100 = 135.$

Q27. A product is sold for Rs. 960 at 20% profit. Find the cost price.

- A. Rs. 760
- B. Rs. 780
- C. Rs. 800
- D. Rs. 820

Answer: C

Explanation: $CP = 960 \times 100 / 120 = \text{Rs. } 800.$

Q28. The average of 12, 18, 24, 30 and 36 is:

- A. 22
- B. 24
- C. 26
- D. 28

Answer: B

Explanation: Sum = 120; average = $120/5 = 24.$

Q29. Simplify: $45 + 15 \times 2 - 10$

- A. 55
- B. 65
- C. 75
- D. 90

Answer: B

Explanation: First multiply: $15 \times 2 = 30$; $45 + 30 - 10 = 65$.

Q30. A man covers 180 km in 3 hours. Find his speed.

- A. 50 km/h
- B. 55 km/h
- C. 60 km/h
- D. 65 km/h

Answer: C

Explanation: Speed = Distance / Time = $180/3 = 60$ km/h.

Q31. The ratio of 24 and 36 in simplest form is:

- A. 2:3
- B. 3:2
- C. 4:5
- D. 5:6

Answer: A

Explanation: Divide both terms by 12: $24:36 = 2:3$.

Q32. Find the simple interest on Rs. 5000 at 8% per annum for 2 years.

- A. Rs. 600
- B. Rs. 700
- C. Rs. 800
- D. Rs. 900

Answer: C

Explanation: SI = $PRT/100 = 5000 \times 8 \times 2 / 100 = \text{Rs. } 800$.

Q33. LCM of 12 and 18 is:

- A. 24
- B. 30
- C. 36
- D. 48

Answer: C

Explanation: Multiples match first at 36.

Q34. HCF of 48 and 60 is:

- A. 6
- B. 8
- C. 10
- D. 12

Answer: D

Explanation: Highest common factor of 48 and 60 is 12.

Q35. A can complete a work in 10 days and B in 15 days. Together they complete it in:

- A. 5 days
- B. 6 days
- C. 7 days
- D. 8 days

Answer: B

Explanation: $\frac{1}{10} + \frac{1}{15} = \frac{1}{6}$, so together they finish in 6 days.

Q36. If the marked price is Rs. 1000 and discount is 15%, selling price is:

- A. Rs. 750
- B. Rs. 800
- C. Rs. 850
- D. Rs. 900

Answer: C

Explanation: Discount = 150; SP = $1000 - 150 = \text{Rs. } 850$.

Q37. Convert 0.75 into percentage.

- A. 7.5%
- B. 25%
- C. 75%
- D. 125%

Answer: C

Explanation: $0.75 \times 100 = 75\%$.

Q38. The perimeter of a square of side 9 cm is:

- A. 18 cm
- B. 27 cm
- C. 36 cm
- D. 81 cm

Answer: C

Explanation: Perimeter = $4 \times \text{side} = 4 \times 9 = 36 \text{ cm}$.

Q39. Area of a rectangle of length 12 cm and breadth 8 cm is:

- A. 20 sq cm
- B. 48 sq cm
- C. 96 sq cm
- D. 108 sq cm

Answer: C

Explanation: Area = length $\times$ breadth = $12 \times 8 = 96 \text{ sq cm}$.

Q40. If 5 pens cost Rs. 60, what is the cost of 8 pens?

- A. Rs. 84
- B. Rs. 90
- C. Rs. 96
- D. Rs. 100

Answer: C

Explanation: Cost of 1 pen = 12; cost of 8 pens = 96.

Q41. A number is increased by 25% and becomes 250. Find the original number.

- A. 180
- B. 190
- C. 200
- D. 210

Answer: C

Explanation: Original = $250 \times 100 / 125 = 200$.

Q42. Solve: $\frac{3}{4} + \frac{1}{2}$

- A. $\frac{1}{4}$
- B. $\frac{3}{4}$
- C. $\frac{5}{4}$
- D. $\frac{7}{4}$

Answer: C

Explanation: $\frac{1}{2} = \frac{2}{4}$, so $\frac{3}{4} + \frac{2}{4} = \frac{5}{4}$.

Q43. A train 120 m long crosses a pole in 6 seconds. Find its speed.

- A. 20 m/s
- B. 24 m/s
- C. 30 m/s
- D. 36 m/s

Answer: A

Explanation: Speed = length/time = $120/6 = 20$ m/s.

Q44. Find the square of 19.

- A. 341
- B. 351
- C. 361
- D. 381

Answer: C

Explanation: $19 \times 19 = 361$.

Q45. Find the cube of 5.

- A. 25
- B. 75
- C. 100
- D. 125

Answer: D

Explanation: $5 \times 5 \times 5 = 125$.

Q46. If 40% of a number is 80, find the number.

- A. 160
- B. 180
- C. 200
- D. 220

Answer: C

Explanation: Number = $80 \times 100 / 40 = 200$.

Q47. A sum becomes Rs. 1210 in 2 years at 10% compound interest annually. Find the principal.

- A. Rs. 900
- B. Rs. 950
- C. Rs. 1000
- D. Rs. 1100

Answer: C

Explanation: Amount = $P(1.1)^2 = 1.21P$. $P = 1210/1.21 = 1000$.

Q48. The value of 15% of 200 + 20% of 150 is:

- A. 50
- B. 55
- C. 60
- D. 65

Answer: C

Explanation: 15% of 200 = 30 and 20% of 150 = 30; total = 60.

Q49. If 12 workers finish a work in 8 days, how many workers are needed to finish it in 6 days?

- A. 14
- B. 16
- C. 18
- D. 20

Answer: B

Explanation: Workers x days is constant: $12 \times 8 = 96$; $96/6 = 16$ workers.

Q50. Find the next number: 5, 10, 20, 40, ?

- A. 50
- B. 60
- C. 70
- D. 80

Answer: D

Explanation: Each term is doubled.

General Knowledge & General Awareness

Q51. Who is known as the Father of the Indian Constitution?

- A. Mahatma Gandhi
- B. Dr. B. R. Ambedkar
- C. Sardar Patel
- D. Jawaharlal Nehru

Answer: B

Explanation: Dr. B. R. Ambedkar chaired the Drafting Committee of the Constitution.

Q52. The Constitution of India came into force on:

- A. 15 August 1947
- B. 26 January 1950
- C. 26 November 1949
- D. 2 October 1950

Answer: B

Explanation: India celebrates Republic Day on 26 January because the Constitution came into force on this date in 1950.

Q53. Which is the largest state of India by area?

- A. Uttar Pradesh
- B. Rajasthan
- C. Maharashtra
- D. Madhya Pradesh

Answer: B

Explanation: Rajasthan is the largest Indian state by area.

Q54. The capital of Assam is:

- A. Dispur
- B. Guwahati
- C. Shillong
- D. Imphal

Answer: A

Explanation: Dispur is the capital of Assam.

Q55. Which gas is essential for respiration?

- A. Nitrogen
- B. Oxygen
- C. Carbon dioxide
- D. Hydrogen

Answer: B

Explanation: Oxygen is required by humans for respiration.

Q56. The unit of electric current is:

- A. Volt
- B. Watt
- C. Ampere
- D. Ohm

Answer: C

Explanation: Electric current is measured in ampere.

Q57. Who wrote the national song Vande Mataram?

- A. Rabindranath Tagore
- B. Bankim Chandra Chatterjee
- C. Sarojini Naidu
- D. Premchand

Answer: B

Explanation: Vande Mataram was written by Bankim Chandra Chatterjee.

Q58. The Battle of Plassey was fought in:

- A. 1757
- B. 1764
- C. 1857
- D. 1942

Answer: A

Explanation: The Battle of Plassey took place in 1757.

Q59. Which planet is known as the Red Planet?

- A. Venus
- B. Mars
- C. Jupiter
- D. Saturn

Answer: B

Explanation: Mars is called the Red Planet due to its reddish appearance.

Q60. The longest river in India is:

- A. Yamuna
- B. Godavari
- C. Ganga
- D. Narmada

Answer: C

Explanation: The Ganga is generally regarded as the longest river flowing in India.

Q61. Which organ purifies blood in the human body?

- A. Heart
- B. Lungs
- C. Kidney
- D. Stomach

Answer: C

Explanation: Kidneys filter waste from blood.

Q62. The headquarters of ISRO is located in:

- A. New Delhi
- B. Bengaluru
- C. Hyderabad
- D. Chennai

Answer: B

Explanation: ISRO headquarters is in Bengaluru.

Q63. Which metal is liquid at room temperature?

- A. Iron
- B. Mercury
- C. Copper
- D. Aluminium

Answer: B

Explanation: Mercury is liquid at room temperature.

Q64. Which is the smallest continent?

- A. Europe
- B. Australia
- C. Antarctica
- D. South America

Answer: B

Explanation: Australia is the smallest continent.

Q65. Who was the first President of India?

- A. Dr. Rajendra Prasad
- B. Dr. S. Radhakrishnan
- C. Zakir Husain
- D. V. V. Giri

Answer: A

Explanation: Dr. Rajendra Prasad was the first President of India.

Q66. The term Lok Sabha means:

- A. Council of States
- B. House of the People
- C. Upper House
- D. Supreme Court

Answer: B

Explanation: Lok Sabha is the House of the People.

Q67. Which vitamin is produced in the body by sunlight?

- A. Vitamin A
- B. Vitamin B
- C. Vitamin C
- D. Vitamin D

Answer: D

Explanation: Sunlight helps the body produce Vitamin D.

Q68. The currency of Japan is:

- A. Dollar
- B. Yen
- C. Won
- D. Ruble

Answer: B

Explanation: The Japanese currency is Yen.

Q69. Which national park is famous for one-horned rhinoceros?

- A. Kaziranga
- B. Jim Corbett
- C. Gir
- D. Ranthambore

Answer: A

Explanation: Kaziranga National Park is famous for the one-horned rhinoceros.

Q70. Which freedom fighter gave the slogan "Give me blood, and I shall give you freedom"?

- A. Bhagat Singh
- B. Subhas Chandra Bose
- C. Lala Lajpat Rai
- D. Bal Gangadhar Tilak

Answer: B

Explanation: This slogan is associated with Subhas Chandra Bose.

Q71. The chemical formula of water is:

- A. CO₂
- B. H₂O
- C. O₂
- D. NaCl

Answer: B

Explanation: Water contains two hydrogen atoms and one oxygen atom.

Q72. Which Indian state is known as the Spice Garden of India?

- A. Kerala
- B. Punjab
- C. Gujarat
- D. Bihar

Answer: A

Explanation: Kerala is widely known as the Spice Garden of India.

Q73. The first Indian satellite was:

- A. Bhaskara
- B. Aryabhata
- C. Rohini
- D. INSAT-1A

Answer: B

Explanation: Aryabhata was India's first satellite.

Q74. Who was the first woman Prime Minister of India?

- A. Indira Gandhi
- B. Pratibha Patil
- C. Sarojini Naidu
- D. Sucheta Kriplani

Answer: A

Explanation: Indira Gandhi was the first woman Prime Minister of India.

Q75. Which part of the plant prepares food?

- A. Root
- B. Stem
- C. Leaf
- D. Flower

Answer: C

Explanation: Leaves prepare food through photosynthesis.

English Language

Q76. Choose the synonym of "Brave".

- A. Coward
- B. Bold
- C. Weak
- D. Lazy

Answer: B

Explanation: Brave means bold or courageous.

Q77. Choose the antonym of "Ancient".

- A. Old
- B. Modern
- C. Past
- D. Historic

Answer: B

Explanation: Ancient means very old; its opposite is modern.

Q78. Fill in the blank: He ____ playing cricket.

- A. is
- B. are
- C. am
- D. were

Answer: A

Explanation: He is singular, so the correct helping verb is is.

Q79. Choose the correctly spelled word.

- A. Recieve
- B. Receive
- C. Receeve
- D. Receve

Answer: B

Explanation: The correct spelling is receive.

Q80. Select the correct sentence.

- A. She go to school.
- B. She goes to school.
- C. She going school.
- D. She gone to school.

Answer: B

Explanation: For third person singular, use goes.

Q81. One word substitution: A person who treats patients is a:

- A. Teacher
- B. Doctor
- C. Engineer
- D. Pilot

Answer: B

Explanation: A doctor treats patients.

Q82. Choose the antonym of "Victory".

- A. Win
- B. Success
- C. Defeat
- D. Triumph

Answer: C

Explanation: Defeat is the opposite of victory.

Q83. Fill in the blank: They ____ completed the work.

- A. has
- B. have
- C. is
- D. was

Answer: B

Explanation: They is plural, so use have.

Q84. Choose the synonym of "Rapid".

- A. Slow
- B. Fast
- C. Late
- D. Weak

Answer: B

Explanation: Rapid means fast.

Q85. Identify the error: Ram and Shyam is friends.

- A. Ram
- B. and
- C. is
- D. friends

Answer: C

Explanation: The plural subject takes are, not is.

Q86. Choose the correct preposition: The book is ____ the table.

- A. on
- B. in
- C. at
- D. by

Answer: A

Explanation: On is used for a surface.

Q87. Choose the correct article: He is ____ honest man.

- A. a
- B. an
- C. the
- D. no article

Answer: B

Explanation: Honest begins with a vowel sound, so use an.

Q88. Change into passive voice: He writes a letter.

- A. A letter is written by him.
- B. A letter was written by him.
- C. A letter has written by him.
- D. A letter writes him.

Answer: A

Explanation: Simple present passive structure: object + is/am/are + V3 + by + subject.

Q89. Choose the meaning of the idiom "once in a blue moon".

- A. Very often
- B. Very rarely
- C. Every day
- D. Suddenly

Answer: B

Explanation: The idiom means very rarely.

Q90. Fill in the blank: I have lived here ____ 2020.

- A. for
- B. since
- C. from
- D. by

Answer: B

Explanation: Since is used with a point of time.

Hindi Language

Q91. "परिश्रम" का विलोम शब्द क्या है?

- A. मेहनत
- B. आराम
- C. श्रम
- D. कार्य

Answer: B

Explanation: परिश्रम का विलोम आराम है।

Q92. "सूर्य" का पर्यायवाची शब्द चुनिए।

- A. चंद्रमा
- B. रवि
- C. पृथ्वी
- D. जल

Answer: B

Explanation: रवि, सूर्य का पर्यायवाची शब्द है।

Q93. "नदी" शब्द का लिंग क्या है?

- A. पुल्लिंग
- B. स्त्रीलिंग
- C. नपुंसक लिंग
- D. इनमें से कोई नहीं

Answer: B

Explanation: नदी स्त्रीलिंग शब्द है।

Q94. "सत्य" का विलोम शब्द क्या है?

- A. असत्य
- B. न्याय
- C. धर्म
- D. सही

Answer: A

Explanation: सत्य का विलोम असत्य है।

Q95. "विद्यालय" शब्द का सही संधि-विच्छेद क्या है?

- A. विद्या + आलय
- B. विद् + यालय
- C. विद्या + लय
- D. वि + द्यालय

Answer: A

Explanation: विद्यालय = विद्या + आलय।

Q96. "जो पढ़ाता है" उसके लिए एक शब्द है:

- A. विद्यार्थी
- B. शिक्षक
- C. लेखक
- D. पाठक

Answer: B

Explanation: जो पढ़ाता है उसे शिक्षक कहते हैं।

Q97. "कमल" शब्द में कितने अक्षर हैं?

- A. 2
- B. 3
- C. 4
- D. 5

Answer: A

Explanation: कमल में दो अक्षर हैं: क-मल (व्यावहारिक गणना में 2 ध्वनि खंड)।

Q98. "माता-पिता" कौन सा समास है?

- A. द्वंद्व समास
- B. तत्पुरुष समास
- C. बहुव्रीहि समास
- D. कर्मधारय समास

Answer: A

Explanation: माता-पिता में दोनों पद प्रधान हैं, इसलिए यह द्वंद्व समास है।

Q99. "मीठा" का विलोम शब्द क्या है?

- A. खट्टा
- B. कड़वा
- C. नमकीन
- D. तीखा

Answer: B

Explanation: मीठा का सामान्य विलोम कड़वा है।

Q100. "भारत एक महान देश है" वाक्य में "भारत" क्या है?

- A. क्रिया
- B. विशेषण
- C. संज्ञा
- D. सर्वनाम

Answer: C

Explanation: भारत एक देश का नाम है, इसलिए यह संज्ञा है।

Answer Key

1	C
2	A
3	B
4	D
5	A
6	B

7	B
8	B
9	B
10	C
11	A
12	D

13	C
14	C
15	B
16	B
17	B
18	A

19	A
20	A
21	A
22	A
23	C
24	B

25	B	44	C	63	B	82	C
26	B	45	D	64	B	83	B
27	C	46	C	65	A	84	B
28	B	47	C	66	B	85	C
29	B	48	C	67	D	86	A
30	C	49	B	68	B	87	B
31	A	50	D	69	A	88	A
32	C	51	B	70	B	89	B
33	C	52	B	71	B	90	B
34	D	53	B	72	A	91	B
35	B	54	A	73	B	92	B
36	C	55	B	74	A	93	B
37	C	56	C	75	C	94	A
38	C	57	B	76	B	95	A
39	C	58	A	77	B	96	B
40	C	59	B	78	A	97	A
41	C	60	C	79	B	98	A
42	C	61	C	80	B	99	B
43	A	62	B	81	B	100	C

Score Guide: 90-100 Excellent | 80-89 Very Good | 70-79 Good | 60-69 Average | Below 60 Needs More Practice