

SEAL

Serial No. : 202737

QUESTION BOOKLET SERIES CODE :

A

ENTRANCE TEST FOR CRK

ROLL No. :

NAME :

SIGNATURE :

DATE/TIME :

(SIGNATURE OF THE INVIGILATOR)

(SIGNATURE OF THE STUDENT)

Time Allowed : 120 Minutes]

[Max. Marks : 100]

[Pages : 16

INSTRUCTIONS FOR THE CANDIDATES

1. Do not open this booklet unless you are instructed to do so.
2. Before attempting the paper, carefully read out all the Instructions and Examples given on Side 1 of the Answer Sheet (OMR Sheet) supplied separately.
3. At the start of the examination, please ensure that all the pages of your Test Booklet are properly printed; your Test Booklet is not damaged in any manner and contains 100 questions. In case of any discrepancy, the candidate should immediately report the matter to the invigilator for replacement of Test Booklet. No claim in this regard will be entertained at the later stage.
4. An **OMR Answer Sheet** is being provided separately along with this Test Booklet. Please fill up all relevant entries like Roll Number, Test Booklet Code etc. in the spaces provided on the OMR Answer Sheet and put your signatures in the box provided for this purpose.
5. Make sure to fill the correct Test Booklet code on Side 2 of the OMR Answer Sheet. If the space for the Booklet Code is left blank or more than one booklet code is indicated therein, it will be deemed to be an incorrect booklet code & Answer Sheet will not be evaluated. The candidate himself/herself will be solely responsible for all the consequences arising out of any error or omission in writing the test booklet code.
6. **The Test Booklet consists of Sixteen (16) pages containing 100 questions.** Against each question four alternatives A, B, C, D are given, out of which only one is correct. Indicate your choice of answer by darkening suitable circle with **BLACK/BLUE pen** in the OMR Answer Sheet supplied to you separately. Use of Pencil is strictly prohibited. More than one answer indicated against a question will be deemed as incorrect response.
7. The maximum marks are 100. Each question carries one mark. **There will be negative marking and each wrong answer will carry minus one by four (1/4) mark. The total time allocated is 120 minutes.**
8. Do not fold or make any stray marks on the OMR Answer Sheet. Any stray mark or smudge on the OMR sheet may be taken as wrong answer. Any damage to OMR Answer Sheet may result in disqualification of the candidate.
9. **On completion of the test, candidate must hand over the OMR Answer Sheet along with the QUESTION PAPER to the invigilator on duty in the room/hall.**
10. **Use of mobile phones, any other electronic gadget and calculators etc. are not allowed.**
11. **Keep all your belongings outside the examination hall. Do not retain any paper except the ADMIT CARD, prior to entry into the Examination Hall.**

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1. If the temperature of human body is 100°F then the approximate equivalent of temperature, in Celsius, would be
(A) 35° (B) 38°
(C) 40° (D) 45°
2. Which of the following types of waves are used in night vision equipment?
(A) Radio Waves (B) Micro Waves
(C) Infra-red Waves (D) Ultrasonic Waves
3. 'BREXIT' word was popularly used for which of the following country, related to an event in Europe ?
(A) Britain (B) Brazil
(C) Germany (D) Scotland
4. Which one of the following countries is not a member of SAARC ?
(A) Afghanistan (B) Bangladesh
(C) Maldives (D) Myanmar
5. Night blindness is caused by the deficiency of
(A) Vitamin A (B) Vitamin B₆
(C) Vitamin C (D) Vitamin D
6. Who is the present Governor of State of Punjab ?
(A) Shivraj Patil (B) K.S. Solanki
(C) VP Singh Badnore (D) Surjit Singh Barnala
7. Which amongst the following is the tallest building in the world ?
(A) Empire State (B) Qutub Minar
(C) CN Tower (D) Burj Khalifa
8. The foundation of Golden Temple Amritsar was laid by
(A) Sai Mian Mir (B) Saint Kabir
(C) Baba Budha ji (D) Guru Arjun Dev ji
9. 2016 Olympic Games were held in which of the following country ?
(A) Brazil (B) Mexico
(C) England (D) Japan

10. Ashoka turned into a Buddhist after the war at which one of the following places?
 (A) Panipat (B) Patliputra
 (C) Kalinga (D) Vaisali
11. FIFA Football World Cup 2014 was won by
 (A) Brazil (B) France
 (C) Argentina (D) Germany
12. Who is the author of the book Ain-e-Akbari ?
 (A) Abul Fazal (B) Raja Todarmal
 (C) Bairam Khan (D) Abdus Samad
13. 16th Part of an Indian Rupee was earlier known as
 (A) Taka (B) Dam
 (C) Kaudi (D) Anna
14. Vasco-Da-Gama sailed from Lisbon and landed at.....city in India.
 (A) Goa (B) Calicut
 (C) Kolkata (D) Cochin
15. 'God Particles' are related with Physics and are based on the theory of
 (A) Higgs - Boson (B) Newton
 (C) Stephan Hawkins (D) Fermi
16. For what value of 'a' is the expression, $\sqrt{13 - a\sqrt{10}} = \sqrt{8} + \sqrt{5}$, valid ?
 (A) -2 (B) -3
 (C) -4 (D) -6
17. The ratio of the product of the roots and sum of the roots of a quadratic equation of the type $ax^2 + bx + c = 0$ is $4\frac{4}{5}$. If one of the roots of the equation is 8, then what would be the other root of the equation ?
 (A) 1/12 (B) 5/8
 (C) 8 (D) 12

18. Three numbers A, B and C are in the ratio of 1 : 2 : 3 and their average is 600. If A is increased by 10% and B is decreased by 20%, then in order to increase the average by 5%, by what percentage would the value of C be increased ?
 (A) 5% (B) 10%
 (C) 15% (D) 20%
19. The average age of a class of adults is 40 years. If 12 new students with an average age of 32 years join the class, thereby, decreasing the class average by 4 years, then what was the original strength of the class ?
 (A) 12 (B) 16
 (C) 18 (D) 20
20. If ABC is an isosceles triangle with $\angle C = 90^\circ$ and $AC = 5$ cm, then what would be the length of the side AB ?
 (A) $5\sqrt{2}$ cm (B) 8 cm
 (C) 2.5 cm (D) 6 cm
21. What number will replace the (?) in the following question ?

1	2	3	2	10	12
2	5	12	10	16	13
1	2	1	?	10	24

- (A) 5 (B) 8
 (C) 11 (D) 13
22. If the median and mode of a data are 36 and 24, respectively, then the value of the mean of the data would be ?
 (A) 60 (B) 42
 (C) 54 (D) 48
23. In a box, there are 8 red, 7 blue and 6 green balls. One ball is picked up randomly. What is the probability that it is neither red nor green ?
 (A) $1/3$ (B) $3/4$
 (C) $8/21$ (D) $9/21$

24. Everybody in a room shakes hand with everyone else. If total numbers of hand shakes are 66, then what is the total number of persons present in the room ?
 (A) 12 (B) 14
 (C) 16 (D) 18
25. If x, y, z are positive real numbers and a, b, c are rational numbers, then what would be the value of $\frac{1}{1+x^{b-a}+x^{c-a}} + \frac{1}{1+x^{a-b}+x^{c-b}} + \frac{1}{1+x^{b-c}+x^{a-c}}$:
 (A) -1 (B) x^{a+b+c}
 (C) 1 (D) x^{abc}
26. What does the term HTTP stand for ?
 (A) Head Tail Transfer Protocol (B) Hypertext Transfer Plotter
 (C) Hypertext Transfer Protocol (D) Hypertext Transfer Plot
27. Which of the following is an operating system ?
 (A) Internet Explorer (B) Windows 10
 (C) Microsoft Word (D) Microsoft Drivers
28. What is the extension of a Microsoft word file ?
 (A) .document (B) .txt
 (C) .doc (D) .file
29. As a clerk in a reputed organization your boss wishes you to automate sending of customized letter to different recipients where most of the content is same except customer address, which one of the following features of Microsoft Word best, suits the purpose ?
 (A) Send mail to all (B) Mail Merge
 (C) Design, review and send (D) Bulk customized mail
30. In order to safe guard your computer system against virus attacks which one of the following must be installed ?
 (A) Security wall (B) Virus eliminator software
 (C) Antivirus Software (D) Firewall

31. Who amongst the following was founder of the Gupt Empire ?
☒ (A) Chandragupt-I (B) Chandragupt-II
 (C) Kumargupt (D) Samudragupt
32. The distance between stars and galaxies is measured in
 (A) kilometres (B) years
 (C) metres ☒ (D) light years
33. The brightest star in the north is
 (A) Saptarishi ☒ (B) Pole star
 (C) Pointer star (D) Ursa Minor
34. Which amongst the following are the largest plains of India ?
☒ (A) Indo-Gangetic Plains (B) Prairies
 (C) Horton Plains (D) Pampas
35. The most extensive and fertile region of India is
 (A) The Southern Plains (B) The Shivaliks
☒ (C) The Northern Plains (D) Deccan Plateau
36. The great Indian desert is located in the
 (A) Eastern part of India ☒ (B) Western part of India
 (C) Northern part of India (D) Southern part of India
37. Which geographical line passes through India ?
 (A) Equator (B) Tropic of Capricorn
 (C) Line of Arctic ☒ (D) Tropic of Cancer
38. The place of Ladakh, situated in India is a
 (A) Hot desert ☒ (B) Cold desert
 (C) Mild desert (D) Ice land
39. Forest Research Institute is situated in which of the following city ?
 (A) Bangalore (B) Mussoorie
☒ (C) Dehradun (D) Nainital

40. Kolkata is situated on the banks of which river ?
(A) Hooghly (B) Gomti
(C) Yamuna (D) Brahmaputra
41. Stars, which are formed from clouds of dust and gases are called
(A) Terse (B) Ursa Major
(C) Nebula (D) Comets
42. Which planet is also called the 'Red Planet' ?
(A) Mars (B) Venus
(C) Neptune (D) Jupiter
43. The Pir Panjal range is located in which of the following States ?
(A) Punjab (B) Uttarakhand
(C) Jammu and Kashmir (D) Arunachal Pradesh
44. The Cauvery river dispute is between Tamil Nadu and which other State?
(A) Maharashtra (B) Karnataka
(C) Gujarat (D) Bihar
45. What is the correct order or sequence in which the States in India are further sub-divided ?
(A) Districts, Tehsils, Parganas (B) Districts, Villages, Towns
(C) Parganas, Tehsils, Districts (D) Districts, Cities, Towns
46. The executive power of the State is vested in ?
(A) Chief Minister (B) President
(C) Governor (D) Prime Minister
47. A judge of Supreme Court of India can be removed from office by
(A) Parliament by law (B) President on a resolution by parliament
(C) Prime Minister (D) Judges of Supreme Court by Majority
48. Which one amongst the following is the innermost layer of the earth ?
(A) Crust (B) Mantle
(C) Core (D) Lithosphere

49. Mushroom rocks are found in
(A) ~~Deserts~~ (B) Glaciers
(C) Valleys (D) Plains
50. Which one of the following layers of atmosphere is free from clouds ?
(A) Troposphere (B) ~~Stratosphere~~
(C) Mesosphere (D) Thermosphere
51. World's largest temple is located in which one of the following countries ?
(A) Indonesia (B) India
(C) Sri Lanka (D) ~~Cambodia~~
52. Which of the following is known as the gold capital of the world ?
(A) ~~Johannesburg~~ (B) Abu Dhabi
(C) Kimberley (D) Dubai
53. The Narora Atomic Power Plant is located in which district of Uttar Pradesh ?
(A) Barabanki (B) Saharanpur
(C) ~~Bulandshahar~~ (D) Agra
54. 'Indica' is a book written by which one of the following authors ?
(A) ~~Magasthenes~~ (B) Herodotus
(C) Tacitus (D) Fa-Hien
55. 'Rajtarangini' gives a reliable history of which one of the following Indian State ?
(A) ~~Kashmir~~ (B) Gujarat
(C) Kerala (D) Maharashtra
56. The battle of ten kings was fought on the bank of which one of the following rivers ?
(A) Saraswati (B) Sindhu
(C) Beas (D) ~~Parushni~~
57. The Scheme of Local Finance was introduced by which one of the following ?
(A) Lord Canning (B) ~~Lord Mayo~~
(C) Lord Ripon (D) Lord Lytton

58. 'India Wins Freedom' is a novel written by
(A) Arundhati Roy (B) Subhash Chandra Bose
☒ (C) Abul Kalam Azad (D) Jawaharlal Nehru
59. Which one of the following Governor Generals started the Indian Civil Services examination ?
(A) Lord William Bentinck (B) Lord Wellesley
☒ (C) Lord Cornwallis (D) Lord Warren Hastings
60. Jaduguda mine in Jharkhand is famous for
(A) Copper (B) Iron
(C) Bauxite ☒ (D) Uranium
61. Foundation of Jama Masjid of Delhi was laid by
☒ (A) Shah Jahan (B) Islam Khan
(C) Aurangzeb (D) Mahabat Khan
62. Babur assumed the title of 'Ghazi' after which one of the following battles ?
(A) Battle of Panipat ☒ (B) Battle of Khanwah
(C) Battle of Ghagra (D) Battle of Raichur
63. Who was the first woman President of the Indian National Congress ?
(A) Sucheta Kripalani (B) Sarojini Naidu
(C) Indira Gandhi ☒ (D) Annie Besant
64. Which one of the following is not a Veda ?
☒ (A) Manu-smriti (B) Rig
(C) Atharva (D) Yajur
65. Which one amongst the following was the main trading port of the Vijayanagar empire on the Western coast ?
(A) Bhatkal ☒ (B) Calicut
(C) Goa (D) Jaipur
66. Who amongst the following is associated with the game of Golf ?
(A) Radhika Apte (B) Sushil Kumar
☒ (C) Jeev Milkha Singh (D) Abhinav Bindra

67. Which component is the best indicator of 'Economic development' of a country ?
 (A) Its agriculture (B) Its transport
 (C) Its gross production ☒ (D) Its per capita income
68. Who was the father of 'Operation Flood' in India?
 (A) Dr. Norman Borlaug (B) Dr. M.S. Swaminathan
☒ (C) Dr. Verghese Kurien (D) Dr. William Gande
69. Who amongst the following is NOT the founder member of NAM (Non-Aligned Movement) ?
 (A) Jawahar Lal Nehru (B) Josip Broz Tito
 (C) Gamel Abdel Nasser ☒ (D) Winston Churchill
70. On which river is the Hirakud dam built?
 (A) Godavari (B) Cauveri
 (C) Narmada ☒ (D) Mahanadi
71. Which amongst the following word is correctly spelt ?
 (A) sily (B) greive
☒ (C) extreme (D) skil
72. Fill in the blank with appropriate word :
 You will pass you work hard.
☒ (A) if (B) fill
 (C) untill (D) unless
73. What would you call the life story of a person written by another person ?
 (A) Essay (B) Story
 (C) Autobiography ☒ (D) Biography
74. Fill in the blank with appropriate word :
 Radha..... a very sweet song.
 (A) singed ☒ (B) sang
 (C) recited (D) tuned

75. Fill in the blank with appropriate word :

The man is the television.

(A) seeing

☒ (B) watching

(C) reviewing

(D) listening

76. Fill in the blank with appropriate word :

The synonym of 'boom' is

(A) flow

(B) curse

(C) vigour

☒ (D) explosion

77. What does the phrase 'Flog a dead horse' mean ?

(A) To hit hard

(B) To run fast

☒ (C) To waste energy

(D) To be angry

78. Fill in the blank with appropriate word :

Her father arrived home six O'clock.

☒ (A) at

(B) on

(C) in

(D) during

79. Fill in the blank with appropriate word :

I wish I money to help you.

(A) were

(B) would

☒ (C) had

(D) could

80. Fill in the blank with appropriate word :

In her old age she has no one to look her.

(A) about

☒ (B) after

(C) for

(D) back

81. ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਲਿਖਣ ਲਈ ਕਿਹੜੀ ਲਿਪੀ ਦੀ ਵਰਤੋਂ ਕੀਤੀ ਜਾਂਦੀ ਹੈ?

(A) ਦੇਵਨਾਗਰੀ

☒ (B) ਗੁਰਮੁਖੀ

(C) ਉਰਦੂ

(D) ਅਰਬ

82. ਕਿਹੜਾ ਸਵਰ ਮੁਕਤਾ ਆ ਸਕਦਾ ਹੈ?

(A) ਓ

☒ (B) ਅ

(C) ਏ

(D) ਹ

83. ਹੇਠ ਲਿਖੇ ਵਿਕਲਪਾਂ ਵਿਚੋਂ ਸ਼ੁੱਧ ਸ਼ਬਦ-ਜੋੜ ਚੁਣੋ:

(A) ਧੁਦ

(B) ਦੂਧ

(C) ਦੁਧ

☒ (D) ਦੁੱਧ

84. 'ਅਰਕ' ਦਾ ਇਕ ਅਰਥ ਹੈ 'ਦਵਾਈ', ਦੂਜਾ, ਅਰਥ ਦੱਸੋ:

(A) ਨਿੰਬੂ

(B) ਪੈਸਾ

☒ (C) ਕੁਹਣੀ

(D) ਠੀਕ

85. ਵਾਕ ਵਿਚ ਗੱਲ ਕਰਨ ਵਾਲੇ ਵਿਅਕਤੀ ਨੂੰ ਕੀ ਕਿਹਾ ਜਾਂਦਾ ਹੈ?

(A) ਲੀਡਰ

(B) ਭੁਲਾਰਾ

☒ (C) ਉਤਮ-ਪੁਰਖ

(D) ਪੜਨਾਂਵ

86. 'Water' is to 'Oxygen' as 'Salt' is to
- (A) Iron (B) Sodium
(C) Calcium (D) Potassium
87. Which number would replace question mark in the series 3, 7, 15, 31, 63, ?
- (A) 92 (B) 115
(C) 127 (D) 137
88. In a certain code, MONKEY is written as XDJMNL. How is TIGER written in that same code?
- (A) UJHFS (B) QDFHS
(C) SHFDQ (D) SDFHS
89. Pointing to a girl in the photograph, Amar said, "Her mother's brother is the only son of my mother's father." How is the girl's mother related to Amar ?
- (A) Mother (B) Sister
(C) Aunt (D) Grandmother

Direction (Q. Nos. 90–92) :

Study the information given below and answer the questions that follow :

$A + B$ means A is the daughter of B; $A - B$ means A is the husband of B; $A \times B$ means A is the brother of B.

90. For $P + Q - R$, which of the following is true ?
- (A) R is the mother of P (B) R is the sister-in-law of P
(C) R is the aunt of P (D) R is the mother-in-law of P
91. For $P \times Q + R$, which of the following is true ?
- (A) P is the brother of R (B) P is the uncle of R
(C) P is the son of R (D) P is the father of R
92. For $P + Q \times R$, which of the following is true ?
- (A) P is the niece of R (B) P is the daughter of R
(C) P is the cousin of R (D) P is the daughter-in-law of R

Direction (Q. Nos. 93–96) :

Read the following information to answer the questions given below it :

- (i) In a family of six persons, there are people from three generations. Each person has separate profession and also they like different colours. There are two couples in the family.
- (ii) Rohan is a CA and his wife neither is a doctor nor likes green colour.
- (iii) Engineer likes red colour and his wife is a teacher.
- (iv) Mohini is mother-in-law of Sunita and she likes orange colour.
- (v) Vinod is grandfather of Tanmay and Tanmay, who is a principal, likes black colour.
- (vi) Nanu is grand-daughter of Mohini and she likes blue colour. Nanu's mother likes white colour.

93. Who is the Engineer in the family?

- (A) Nanu
- (B) Mohini
- ☒ (C) Vinod
- (D) Rohan

94. Which of the following is the correct pair of two couples in the family ?

- (A) Vinod-Mohini and Rohan-Nanu
- (B) Rohan-Sunita and Tanmay-Nanu
- ☒ (C) Mohini-Vinod and Rohan-Sunita
- (D) Mohini-Rohan and Tanmay-Sunita

95. How many ladies are there in the family ?

- (A) Two
- ☒ (B) Three
- (C) Four
- (D) Six

96. Which colour is liked by the CA ?

- (A) White
- (B) Red
- ☒ (C) Green
- (D) Yellow

97. When Rahul was born, his father was 32 years older than his brother and his mother was 25 years older than his sister. If Rahul's brother is 6 years older than him and his mother is 3 years younger than his father, how old was Rahul's sister when he was born ?
- (A) 10 years (B) 20 years
(C) 15 years (D) 25 years
98. Some boys are sitting in a row. P is sitting fourteenth from the left and Q is seventh from the right. If there are four boys between P and Q, how many boys are there in the row ?
- (A) 19 (B) 21
(C) 23 (D) 25
99. If a number exceeds its $\frac{3}{8}$ th part by 25, then what is the number ?
- (A) 32 (B) 40
(C) 45 (D) 52
100. Deepika correctly remembers that her brother's birthday is before 26 July but after 15 July, whereas her mother correctly remembers that Deepika's brother's birthday is before 20 July but after 16 July and it was an even date. On which day in July is definitely their Brother's birthday ?
- (A) July 16 (B) July 17
(C) July 18 (D) July 19

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