

COMMON P. G. ENTRANCE TEST – 2023 (CPET-2023)Test Booklet No. : **057**Subject Code : **20**Hall Ticket No. : Subject : **IRPM / PMIR****TEST BOOKLET****Time Allowed : 60 Minutes****Full Marks : 80****: INSTRUCTIONS TO CANDIDATES :**

1. The Test Booklet contains **15** pages including the cover page and **80** (Question No. 1 to 80) multiple choice questions.
2. DO NOT break the seal of the Test Booklet until the invigilator instructs to do so.
3. The candidates must check discrepancy, if any (like up-printed or torn or missing pages or missing questions) in the Test Booklet immediately after breaking the seal of the Test Booklet. If detected, the invigilator may be requested to replace the same.
4. Candidates are required to fill up and darken the **Hall Ticket No, Test Booklet Serial No.** and OMR Answer Sheet Serial No. in attendance sheet carefully. Wrongly filled in OMR Answer Sheet is liable for rejection.
5. Each question has four choices / answers marked (A), (B), (C), (D). Candidate has to select the most appropriate choice / answer to each question and darken the oval completely against the question number provided in the OMR Answer Sheet.
6. Indicate only one choice / answer from the options provided by darkening the appropriate oval in the OMR Answer Sheet. More than one response to a question shall be treated as a wrong answer.
7. Use only **Black Ball Point Pen** for darkening the oval for answering.
8. All the questions are compulsory and they carry equal marks. The total marks scored by a candidate depends on the number of correct choices / answers darkened in the OMR Answer Sheet. There will be no negative marking for wrong answers.
9. No candidate shall be allowed to leave the Examination Hall / Room till all OMR Answer Sheets have been collected by the invigilator.
10. On completion of the entrance test, the original OMR Answer Sheet be handed over to the invigilator. Candidates are allowed to take the second copy of the OMR Answer Sheet along with the used Test Booklet for reference.
11. Candidates are not allowed to carry any personal belongings including electronic devices such as scientific calculator, cell phones, headphones, ear buds, or any other type of devices that allow communication of any kind inside the Examination Room / Hall.
12. The candidates are advised not to scribble or make any mark on the OMR Answer Sheet except marking the answers at the appropriate places and filling up the details required. Rough work, if any, may be done in the blank sheet(s) provided at the end of the Test Booklet.
13. Any malpractice / use of unfair means will lead to your disqualification from the entrance test / admission process and may also lead to appropriate legal action as deemed fit.

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

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I. Synonym Test

In each of the following questions (1 to 5), one word is followed by four alternative words. Choose the alternative that has most nearly the same meaning as that word.

1. Gruesome :
(A) Hateful (B) Painful
(C) Frightful (D) Tragic
2. Indolent :
(A) Lazy (B) Urgent
(C) Menacing (D) Active
3. Futile :
(A) Unreal (B) Practical
(C) Fruitful (D) Useless
4. Hagggle :
(A) Postpone (B) Accept
(C) Bargain (D) Reject
5. Enigma :
(A) Truth (B) Fear
(C) Difficulty (D) Puzzle

II. Antonym Test

In each of the following questions (6 to 10), one word is followed by four alternative words. Choose the alternative that has most nearly the opposite meaning as that word.

6. ABATE :
(A) Moderate (B) Complement
(C) Aggravate (D) Decrease

7. Catapult :

- | | |
|-------------|---------------|
| (A) Deliver | (B) Discharge |
| (C) Receive | (D) Launch |

8. Irascible :

- | | |
|----------------|------------|
| (A) Determined | (B) Placid |
| (C) Reasonable | (D) Pliant |

9. Camouflage :

- | | |
|--------------|---------------|
| (A) Hide | (B) Reveal |
| (C) Disguise | (D) Pretended |

10. Fictitious :

- | | |
|------------------|---------------|
| (A) Real | (B) Ambitious |
| (C) Unbelievable | (D) Imaginary |

III. Idioms and Phrases

In each of the following questions (11 to 15), idioms/phrase is followed by four alternative meanings. Choose the alternative that has most nearly the same meaning as the idiom/phase.

11. To talk through one's hat :

- | | |
|-----------------------|------------------------|
| (A) To talk wisdom | (B) To talk nonsense |
| (C) To speak fluently | (D) To speak at random |

12. To catch a tartar :

- | |
|--|
| (A) To meet with disaster |
| (B) To catch a dangerous person |
| (C) To deal with a person who is more than one's match |
| (D) To trap wanted criminal with great difficulty |

13. To worship the rising Sun :
- (A) To welcome the coming events
 - (B) To indulge in flattery
 - (C) To honour to promising people
 - (D) To honour a man who is coming into office
14. To grease somebody's palm :
- (A) to rub somebody's hand with oil
 - (B) to bribe somebody
 - (C) to be in full cooperation with somebody
 - (D) to deal with someone carefully
15. To hit the nail right on the head :
- (A) To do the right thing
 - (B) To destroy one's reputation
 - (C) To announce one's fixed views
 - (D) To teach someone a lesson

IV. Fill in the blanks

In each of the following questions (16 to 20), out of the four alternatives choose the correct one for the blank space that best fits the meaning of the sentence as a whole.

16. Today student should be reconciled _____ the way things are changing.
- (A) With
 - (B) To
 - (C) At
 - (D) For
17. Books were lying _____ the curtain.
- (A) After
 - (B) Under
 - (C) Beyond
 - (D) Behind
18. The smoke went _____ the chimney.
- (A) By
 - (B) In
 - (C) Up
 - (D) On

19. Shirisha was confined _____ bed due to fever.
- (A) In (B) From
(C) To (D) Into
20. Kavita is accustomed _____ doing work under any type of circumstances.
- (A) To (B) For
(C) With (D) Of

Test of Quantitative Aptitude

21. If 3 times a number exceeds its $\frac{3}{5}$ by 60, then the number is :
- (A) 25 (B) 35
(C) 45 (D) 60
22. $486 \div ? \times 7392 \div 66 = 1008$:
- (A) 54 (B) 55
(C) 52 (D) 53
23. A person sells two objects in Rs 5000 each. He sells one for 20% profit and another for 20% loss. Find his total profit or loss percent in the whole transaction.
- (A) 4 % Profit (B) 4 % Loss
(C) 20 % Profit (D) No Profit and no Loss
24. Arun went for a movie nine days ago. He goes to watch movies only on Thursdays. What day of the week is today ?
- (A) Wednesday (B) Thursday
(C) Friday (D) Saturday
25. January 1, 2007 was Monday. What day of the week lies on Jan. 1, 2008 ?
- (A) Monday (B) Tuesday
(C) Wednesday (D) Sunday

26. Find the angle between the two hands of a clock at 15 minutes past 5 o' clock :
- (A) 30° (B) 35°
(C) 37.5° (D) 67.5°
27. The LCM of two numbers is 20 times their HCF. The sum of HCF and LCM is 2520. If one of the number 480, the other number is _____.
- (A) 520 (B) 600
(C) 400 (D) 480
28. Two taps can separately fill a cistern 10 minutes and 15 minutes respectively and when the waste pipe is open, they can together fill it in 18 minutes. The waste pipe can empty the full cistern in :
- (A) 7 min (B) 13 min
(C) 23 min (D) 9 min
29. A wire is in the form of a circle. The radius of the circle is 28 cm. The wire is then moulded to form a square. Find the side of the square formed :
- (A) 11 cm (B) 44 cm
(C) 66 cm (D) 22 cm
30. A's salary is 50% more than B's. How much percent is B's salary less than A's ?
- (A) 50% (B) $33\frac{1}{2}\%$
(C) 33% (D) $33\frac{1}{3}\%$
31. 5 years ago the age of father was 4 times that of his son. At present father is 3 times that of his son. Find the son's age after 5 years.
- (A) 15 years (B) 20 years
(C) 25 years (D) 35 years
32. Kamal starts a business with Rs. 3500 and 5 months after Samir joins as his partner. After a year the profits are divided in the ratio of 2 : 3. How much did Samir contribute ?
- (A) Rs. 7000 (B) Rs. 11000
(C) Rs. 9000 (D) Rs. 9500

33. The average weight of students in a class is 45 kg. If two new students of weight 39.5 kg and 42.5 kg are joined, then the average becomes 44 kg. find the number of students in the beginning :
- (A) 6 (B) 8
(C) 9 (D) 10
34. What will be increase in area of an equilateral triangle if its side is increased by 20% ?
- (A) 40% (B) 20%
(C) 33% (D) 44%
35. The population of a town increases every year by 4%. If its present population is 50,000, then after 2 years it will be :
- (A) 54,000 (B) 54,080
(C) 54,900 (D) 53,900
36. A complete a work at four times the speed than B. If together they can complete a work in 20 days, in how many days can A alone complete it ?
- (A) 25 (B) 35
(C) 75 (D) 80
37. Two trains of length 140m & 120m are running in same direction on parallel tracks with speeds 132 kmph & 80 kmph respectively. How much time will they take to cross each other ?
- (A) 7.09 sec (B) 18 sec
(C) 11.7 sec (D) 4.42 sec
38. In a mixture of 40 litres, the ratio of milk and water is 4:1. How much water must be added to this mixture so that ratio of milk and water becomes 2:3 ?
- (A) 20 litres (B) 32 litres
(C) 40 litres (D) 42 litres

39. From a pack of 52 cards, two cards are drawn together at random. What is the probability of both the cards being kings ?
- (A) $1/15$ (B) $25/57$
(C) $1/221$ (D) $35/256$
40. A boat goes 11 km/hr along the stream and 5 km/hr against the stream. The speed of the boat in still water (in km/hr) is :
- (A) 8 kmph (B) 6 kmph
(C) 5 kmph (D) 9 kmph

Test of Reasoning

41. One morning Uday and Vishal were talking to each other face to face at a crossing. If Vishal's shadow was exactly to the left of Uday, which direction was Uday facing ?
- (A) East (B) West
(C) North (D) South
42. Find the missing in the series WFB, TGD, QHG _____.
- (A) NIJ (B) NIK
(C) NJK (D) OIK
43. If SUGAR is coded as RPKLU, GURUS may be coded as :
- (A) KPUPR (B) RPVPR
(C) LKRKP (D) PKVKR
44. A man goes towards East 5km, then he takes a turn to South-West and goes 5km. He again takes a turn towards North-West and goes 5km With respect to the point from where he started, where is he now ?
- (A) In the North East (B) In the East
(C) In the West (D) At the starting point
45. Pick the odd man out : 154, 235, 352, 460, 324
- (A) 154 (B) 631
(C) 324 (D) 235

46. Showing a photograph P said, "She is my mother's mother's son's daughter". How is the person in the photograph related to P ?
- (A) Mother (B) Cousin
(C) Niece (D) Sister
47. If $324 \times 150 = 54$, $251 \times 402 = 48$, $523 \times 246 = 120$, then $651 \times 345 = ?$
- (A) 120 (B) 85
(C) 60 (D) 144
48. Pick the odd man out :
- (A) Maize (B) Peas
(C) Barley (D) Wheat
49. Find the missing number in the series: 3, 8, 20, 46, 100, 210, _____.
- (A) 436 (B) 432
(C) 430 (D) 438
50. Introducing Sonia, Aamir says, "She is the wife of only nephew of only brother of my mother." How Sonia is related to Aamir ?
- (A) Wife (B) Sister
(C) Sister-in-law (D) Data is inadequate
51. In a code language 35796 is written as 44887. Find the code for 46823.
- (A) 55745 (B) 55914
(C) 55934 (D) 57194
52. If Orange is called Lemon, Lemon is called Flower, Flower is called Fish, Fish is called Tail and Tail is called Pen, what is Rose ?
- (A) Pen (B) Lemon
(C) Fish (D) Flower

53. If $25 + 5 \div 2 = 40$, and $35 + 5 \div 2 = 60$, then $45 + 5 \div 2 = ?$
- (A) 90 (B) 70
(C) 60 (D) 80
54. If TOUR is written as 1234, CLEAR is written as 56784 and SPARE is written as 90847, find the code for CARE.
- (A) 5247 (B) 1247
(C) 4847 (D) 5847
55. Vaunt : Flaunt :: Disparate : ?
- (A) Similar (B) Homogenous
(C) Contrast (D) Alike
56. There are six persons A, B, C, D, E and F. C is the sister of F. B is the brother of E's husband. D is the father of A and grandfather of F. There are two fathers, three brothers and a mother in the group. Who is the mother ?
- (A) A (B) B
(C) C (D) E
57. Sam ranked 9th from the top and 38th from the bottom in a class. How many students are there in the class?
- (A) 45 (B) 47
(C) 46 (D) 48
58. How many such pairs of letters are there in the word "ANIKET" each of which has as many letters between them in the word as in English alphabet ?
- (A) Four (B) One
(C) Two (D) More than four
59. Book : Publisher :: Film : ?
- (A) Producer (B) Director
(C) Editor (D) Writer

60. Find the missing number in the series: 3, 5, 5, 19, 7, 41, 9, _____ ?

(A) 71

(B) 61

(C) 79

(D) 69

General Knowledge

61. Who is known as the father of Blue Revolution in India ?

(A) Verghese Kurien

(B) Sam Pitroda

(C) Hiralal Chaudhuri

(D) M.S. Swaminathan

62. What is the position of Indian Team in FIH Men's Hockey World Cup, 2023 ?

(A) 6th

(B) 7th

(C) 8th

(D) 9th

63. What is India's rank in the 'World Press Freedom Index 2023' ?

(A) 11

(B) 39

(C) 151

(D) 161

64. Which movie got the "Best Movie Award" at the 95th OSCAR Awards ?

(A) Everywhere Everything all at once

(B) Baahubali

(C) RRR

(D) Veera Simha Reddy

65. What is the theme of the World Economic Forum, 2023 ?

(A) Unity for World Health

(B) Cooperation in a Fragmented World

(C) One World One Business Model

(D) Cooperation for World Business Model

66. Which sport is associated with Uber Cup ?

(A) Cricket

(B) Football

(C) Badminton

(D) Hockey

67. Who won the Booker Prize 2022 ?
(A) Shehan Karunatilaka (B) Damon Galgut
(C) Douglas Stuart (D) Kevin Barry
68. E-daakhil portal is an initiative of which Central Ministry ?
(A) Ministry of Finance
(B) Ministry of Commerce and Industry
(C) Ministry of Consumer Affairs
(D) Ministry of Labour and Employment
69. India's first Bio-Village has been set up in which state ?
(A) Assam (B) Arunachal Pradesh
(C) Manipur (D) Tripura
70. Who has launched India's first LNG-fuelled truck ?
(A) Lunar Motors (B) General Electric Motors
(C) Ola Electric (D) Blue Energy Motors
71. 'New India' book was launched on the death anniversary of which leader ?
(A) Atal Bihari Vajpayee (B) Arun Jaitley
(C) Sushma Swaraj (D) Manohar Parrikar
72. Who among the following won the 2022 UNESCO Peace Prize for 'Efforts To Welcome Refugees' ?
(A) Olaf Scholz (B) Narendra Modi
(C) Emmanuel Macron (D) Angela Merkel
73. Who has been appointed as the new Chairman of Defence Research and Development Organisation (DRDO) in 2022 ?
(A) Tessy Thomas (B) Samir V Kamat
(C) K Sivan (D) Mayilsamy Annadurai

74. How many medals did India win in Commonwealth Games 2022 ?
(A) 60 (B) 61
(C) 59 (D) 62
75. When is World Hepatitis Day observed ?
(A) July 29th (B) July 26th
(C) July 27th (D) July 28th
76. Which place set a new rainfall record for the highest single-day rainfall in June since 1966 ?
(A) Nongstoin (B) Sohra
(C) Cherrapunji (D) Mawsynram
77. Which institution offers the skill-based bachelor's degree program for 'Agniveers' ?
(A) Jawaharlal Nehru University (B) AICTE
(C) IGNOU (D) IIT Madras
78. From which railway station, the first train under the Indian Railways' 'Bharat Gaurav' scheme was flagged off on 14 June 2022 ?
(A) Coimbatore (B) Bhopal
(C) Ayodhya (D) Gorakhpur
79. Which country assumed G-20 presidency on the 1st December 2022 ?
(A) Brazil (B) Canada
(C) Indonesia (D) India
80. Which Indian state has the least literacy rate ?
(A) Bihar (B) Uttar Pradesh
(C) Rajasthan (D) Odisha



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