

COMMON P. G. ENTRANCE TEST – 2020

Test Booklet No. :

DEPT. OF HIGHER EDUCATION, GOVT. OF ODISHA

TEST BOOKLET

Subject Code **54**

Subject **IRPM / PMIR**

Time Allowed : 90 Minutes

Full Marks : 70

: INSTRUCTIONS TO CANDIDATES :

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. You have to enter your **Hall Ticket No.** on the Test Booklet in the Box provided alongside. **DO NOT** write *anything else* on the Test Booklet.
3. **YOU ARE REQUIRED TO FILL UP & DARKEN HALL TICKET NO. & TEST BOOKLET NO. IN THE ANSWER SHEET AS WELL AS FILL UP TEST BOOKLET SERIAL NO. & ANSWER SHEET SERIAL NO. IN THE ATTENDANCE SHEET CAREFULLY. WRONGLY FILLED UP ANSWER SHEETS ARE LIABLE FOR REJECTION AT THE RISK OF THE CANDIDATE.**
4. **This Test Booklet contains 70 items (questions). Each item (question) comprises four responses (answers). You have to select the correct response (answer) which you want to mark (darken) on the Answer Sheet. In case, you feel that there is more than one correct response (answer), you should mark (darken) the response (answer) which you consider the best. In any case, choose ONLY ONE response (answer) for each item (question).**
5. You have to mark (darken) all your responses (answers) **ONLY** on the **separate Answer Sheet** provided by using **BALL POINT PEN (BLUE OR BLACK)**. See instructions in the Answer Sheet.
6. All items (questions) carry equal marks. All items (questions) are compulsory. Your total marks will depend only on the number of correct responses (answers) marked by you in the Answer Sheet. **There is no negative marking.**
7. **After you have completed filling in all your responses (answers) on the Answer Sheet and after conclusion of the examination, you should hand over to the Invigilator the Answer Sheet issued to you. You are allowed to take with you the candidate's copy / second page of the Answer Sheet along with the Test Booklet, after completion of the examination, for your reference.**
8. Sheets for rough work are appended in the Test Booklet at the end.

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

Direction (Q. Nos. 1 to 5) : In each of the following questions, one word (given in capital letters) is followed by four alternative words. Choose the word that has most nearly the **same meaning** as the word in capitals.

1. FRACTIOUS :

- (A) Unruly
- (B) Easily broken
- (C) Incomplete
- (D) Desperate

2. PIEDMONT :

- (A) Footpath
- (B) Hilltop
- (C) High fence
- (D) A base of a mountain range

3. MIDDLELING :

- (A) Elegant
- (B) Wandering
- (C) Mediocre
- (D) Aggressive

4. EMBOSS :

- (A) Sign a painting
- (B) To raise a design
- (C) Imitate another artist
- (D) Decorate brilliantly

5. PROFANE:
- (A) Religious
 - (B) Advance
 - (C) Disrespectful
 - (D) Competent

Direction (Q. Nos. 6 to 10) : In each of the following **five** questions, one word (given in capital letters) is followed by four alternative words. Choose the word that is most nearly opposite in meaning to the word in capitals.

6. EPHEMERAL
- (A) Popular
 - (B) Eternal
 - (C) Accurate
 - (D) Critical
7. SEDULOUS
- (A) Vindictive
 - (B) Upright
 - (C) punitive
 - (D) Idle
8. PENCHANT
- (A) Dislike
 - (B) Violent
 - (C) Tangible
 - (D) Detailed

9. DESICCATE
- (A) Lengthen
 - (B) Hallow
 - (C) Anesthetize
 - (D) Moist

10. ASPERITY
- (A) Clarity
 - (B) Softness
 - (C) Poverty
 - (D) Honesty

Direction (Q. Nos. 11 to 15) : *In each of the following five questions, an idiom/phrase (given in italic letters), is followed by four alternative meanings. Choose the alternative that has most nearly the same meaning as the idiom/phrase.*

11. *Show white feather :*

- (A) To talk for peace
- (B) Asking for debate
- (C) To show cowardice
- (D) To show miracles

12. *To go into a huddle:*

- (A) To hold a secret conference
- (B) To make arms secretly
- (C) To collect money secretly
- (D) To conspire against the enemy

13. *To make no bones about :*

- (A) To disagree with others
- (B) To impress the audience
- (C) To be greedy
- (D) To speak frankly

14. *Save your bacon :*

- (A) Save money for the future
- (B) Rescue one from a difficult situation
- (C) Protect one's dignity
- (D) Wait for an opportunity

15. *Sow wild oats :*

- (A) Give a surprise
- (B) Donate something
- (C) Irresponsible pleasure seeking
- (D) Take away something

Direction (Q. Nos. 16 to 20) : In the following questions, out of the four alternatives choose one which can be substituted for the given sentence in italics :

16. *A remedy for all diseases :*

- (A) Tonic
- (B) Antiseptic
- (C) Antibiotic
- (D) Panacea

17. *A person who has no money to pay his debts :*
- (A) Insolvent
 - (B) Pauper
 - (C) Beggar
 - (D) Debtor
18. *A general pardon for political offenders :*
- (A) Forgiveness
 - (B) Amnesty
 - (C) Clemency
 - (D) Generosity
19. *A person interested in collecting and studying old things :*
- (A) Junk dealer
 - (B) Crank
 - (C) Antiquarian
 - (D) Archaeologist
20. *A person who is skilled in horsemanship :*
- (A) Equestrian
 - (B) Jockey
 - (C) Cavalier
 - (D) Cavalryman

21. At a simple rate of interest per annum, a certain sum amounts to Rs. 8,255 in three years and Rs. 8,840 in four years. The principal sum is :
- (A) 6,500
 - (B) 6,400
 - (C) 6,700
 - (D) 6,300
22. What least number must be added to 1663, so that the sum is completely divisible by 31 ?
- (A) 12
 - (B) 11
 - (C) 13
 - (D) 15
23. The difference of two numbers is 1638. On dividing the larger number by the smaller, we get 8 as quotient and the 21 as remainder. What is the smaller number ?
- (A) 207
 - (B) 218
 - (C) 231
 - (D) 225
24. The product of two numbers is 552 and the sum of their squares is 1105. The sum of the numbers is:
- (A) 45
 - (B) 49
 - (C) 43
 - (D) 47

25. $138 \times 138 + 22 \times 22 = ?$
- (A) 19642
(B) 19542
(C) 19528
(D) 19962
26. The fixed cost for renting a vehicle is Rs. 1,000 per day apart from the charges per kilometre travelled which varies with the distance travelled. The charges start at Rs. 16 per Km and reduced by Re. 1 for every 10 km travelled. If a customer was charged a total of Rs. 1,850 towards daily rent and distance travelled, what was the distance travelled by the customer ?
- (A) 64 km
(B) 50 km
(C) 65 km
(D) 45 km
27. What is the largest four digit number that is exactly divisible by 88 ?
- (A) 9964
(B) 9944
(C) 9968
(D) 9988
28. 'A' sells a bicycle to 'B' at a profit of 25%. 'B' sells it to 'C' at a profit of 20%. If C pays Rs. 630 for it, what is the cost price of the bicycle for 'A'?
- (A) 350
(B) 390
(C) 320
(D) 420

29. A person travels a distance in 14 hours. He travels first half of the distance at the rate of 18 km per hour and second half at the rate of 24 km per hour. Find the total distance travelled by the person.

- (A) 248 km
- (B) 264 km
- (C) 288 km
- (D) 268 km

Direction (Q. Nos. 30 to 34) : Study the following table to answer the questions :

EXPENDITURE OF A COMPANY (IN LAKH RUPEES) PER ANNUM
OVER THE GIVEN YEARS

Year	Item of Expenditure				
	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
2011	288	98	3.00	23.4	83
2012	342	112	2.52	32.5	108
2013	324	101	3.84	41.6	74
2014	336	133	3.68	36.4	88
2015	420	142	3.96	49.4	98

30. The ratio between the total expenditure on Taxes for all the years and the total expenditure on Fuel and Transport for all the years respectively is approximately :

- (A) 4 : 7
- (B) 10 : 13
- (C) 15 : 18
- (D) 6 : 8

31. The total expenditure of the Company over these items during the year 2013 is :
- (A) Rs. 544.44 lakh
 - (B) Rs. 501.11 lakh
 - (C) Rs. 446.46 lakh
 - (D) Rs. 478.87 lakh
32. What is the average amount of interest per year which the Company had to pay during this period ?
- (A) Rs. 32.43 lakh
 - (B) Rs. 33.72 lakh
 - (C) Rs. 34.18 lakh
 - (D) Rs. 36.66 lakh
33. Total expenditure on all these items in 2011 was approximately. What per cent of the total expenditure in 2015 ?
- (A) 67.9%
 - (B) 69.4%
 - (C) 65.8%
 - (D) 71.7%
34. The total amount of bonus paid by the Company during the given period is amount approximately what per cent of the total amount of salary paid during this period?
- (A) 0.1%
 - (B) 0.5%
 - (C) 1%
 - (D) 1.25%

35. The cost of cultivating a square field at the rate of Rs. 135 per hectare is Rs. 1,215. The cost of putting a fence around it at the rate of 75 paise per meter would be :
- (A) Rs. 810
(B) Rs. 900
(C) Rs. 750
(D) Rs. 1,200
36. A person's present age is two-fifth of the age of his mother. After 8 years, he will be one-half of the age of his mother. How old is the mother at present ?
- (A) 32 years
(B) 36 years
(C) 48 years
(D) 40 years
37. Find the value of $1/(3 + 1/(3 + 1/(3 - 1/3)))$:
- (A) $3/10$
(B) $27/89$
(C) $10/3$
(D) $89/27$
38. Find the value of $2/7$ of $105 = ? \times 90$:
- (A) $1/3$
(B) $2/5$
(C) $1/2$
(D) $1/4$

39. If LCM of two numbers is 792 and HCF is 11 and one of the numbers is 88 what is the other number ?
- (A) 66
- (B) 55
- (C) 77
- (D) 99
40. In an examination, the average for the entire class was 80 marks. If 10% of the students scored 95 marks and 20% scored 90 marks, what was the average mark of the remaining students of the class?
- (A) 65
- (B) 75
- (C) 70
- (D) 80

Direction (Q. Nos. 41 and 42) : Find out which one of the choices has the same relationship with the word in bold letter for the questions :

41. Odometer is to mileage as compass is to :
- (A) Speed
- (B) Hiking
- (C) Needle
- (D) Direction

42. Yard is to inch as quart is to :
- (A) Gallon
 - (B) Ounce
 - (C) Milk
 - (D) Liquid
43. Which word does NOT belong to the group ?
- (A) Unimportant
 - (B) Insignificant
 - (C) Trivial
 - (D) Familiar

Direction (Q. Nos. 44 to 46) : Choose the right choice to fill-up the blanks in the following questions :

44. JKT, LJR, NIP, _____.
- (A) PHN
 - (B) OGP
 - (C) PGO
 - (D) PHM
45. ACH, FAI, JYK, MWN, _____.
- (A) PVS
 - (B) OTS
 - (C) PTQ
 - (D) OUR

46. B2E, D5H, F12K, H27N, _____.

- (A) J58Q
- (B) I58Q
- (C) I58P
- (D) J57P

Direction (Q. Nos. 47 to 49) : Study the information carefully and answer the questions :

Point B is 30 meters to the west of Point A. Point C is 20 meters to the north of Point B. Point D is 10 meters to the west of Point C. Point E is 10 meters to the south of Point D and Point F is 25 meters to the east of Point E. A person walks 25 meters from Point F to the south reaches Point G and takes a right turn and walks 15 meters to reach Point H.

47. What is the distance between Point C and Point H ?

- (A) 30 meters
- (B) 35 meters
- (C) 25 meters
- (D) 33 meters

48. In which direction is Point E with respect to Point G ?

- (A) North-east
- (B) South-east
- (C) North-west
- (D) South-west

49. If you draw straight lines from Point A to the Points C, F, G, and H, which of the Points shall be nearest to the Point A?

(A) F

(B) C

(C) H

(D) G

50. Carefully go through the six words given below :

1. Respond

2. Revise

3. Remember

4. Repeat

5. Repeal

6. Repent

Which one of the following gives the correct sequence as they come in an English Dictionary ?

(A) 3 4 5 6 2 1

(B) 3 5 4 6 1 2

(C) 3 5 4 1 2 6

(D) 3 4 5 6 1 2

51. In a certain coded language, if pink is called white, white is called yellow, yellow is called red, red is called green, green is called black, black is called violet, and violet is called orange, then in the same code, what would be the colour of human blood?
- (A) Yellow
- (B) Red
- (C) Green
- (D) Orange
52. In a joint family, there are father, mother, three married sons, and one unmarried daughter. Of the sons, one has two daughters, second has a son and the third has one son and one daughter. What is the ratio of the total number of female members to that of the male members in the family ?
- (A) 8 : 5
- (B) 6 : 8
- (C) 7 : 8
- (D) 8 : 6
53. If 'X' is coded as 7, 'P' is coded as 9, Z is coded as 6, 'M' is coded as 5, L is coded as 3 and 'D' is coded as 2, then what would be the code for PLDXMZ ?
- (A) 932756
- (B) 923765
- (C) 952376
- (D) 932567

54. In a row of boys Ganesh is twelfth from left and Ranjan is fifteenth from right. When they interchange their position Ranjan becomes twentieth from right. How many boys are there in the row ?

(A) 30

(B) 31

(C) 29

(D) 32

55. How many such 5s are there in the following number series, each of which is preceded by 3 or 4 and followed by 8 or 9 ?

35954553584597357554583510

(A) Five

(B) Three

(C) Four

(D) Six

56. In a certain code PROVIDE is written as OSNWHED, then in the same code MORNING is written as :

(A) LPQOHOF

(B) LPQOOHF

(C) LPOQHOF

(D) LQPOFOH

57. In a certain code '721' means 'good college life'; '526' means 'you is good' and '257' means 'life is good', then which of the following is used for the word 'you' ?
- (A) 5
 - (B) 7
 - (C) 6
 - (D) 2

Direction (Q. Nos. 58 and 59) : What should come in place of question mark (?) in the following questions ?

58. 4, 5, 9, ? , 23, 37, 60
- (A) 18
 - (B) 15
 - (C) 16
 - (D) 14
59. 11, 19, 13, ? , 15, 57, 17, 76
- (A) 36
 - (B) 24
 - (C) 38
 - (D) 22
60. If 17th February, 2017 is a Friday then what will be day of 18th February, 2019 ?
- (A) Wednesday
 - (B) Monday
 - (C) Tuesday
 - (D) Sunday

61. Who has become the first player to take 500 wickets in T20?
- (A) Sohail Tanvir
 - (B) S. L. Malinga
 - (C) D. J. Bravo
 - (D) S. P. Narine
62. Dachigam National Park is located in which State ?
- (A) Jammu and Kashmir
 - (B) Madhya Pradesh
 - (C) West Bengal
 - (D) Mizoram
63. The GST council was constituted under which article of Indian Constitution ?
- (A) Article, 219A
 - (B) Article, 279A
 - (C) Article, 259A
 - (D) Article 249A
64. The Pradhan Mantri Jan Dhan Yojna (PMJDY) is operated by which department of the finance ministry ?
- (A) Department of Economic Affairs
 - (B) Department of Expenditure
 - (C) Department of Investment and Public Asset Management
 - (D) Department of Financial Services

65. For which book Marieke Lucas Rijneveld becomes youngest author to win International Booker Prize ?
- (A) Milkman
 - (B) The Blind Assassin
 - (C) The Discomfort of Evening
 - (D) Distant Horizon
66. Which state/UT Government launched 'Healthy Body, Healthy Mind' fitness campaign for students confined in homes?
- (A) Haryana
 - (B) Punjab
 - (C) Delhi
 - (D) Kerala
67. World Health Organization (WHO) declared which continent free of Wild Poliovirus ?
- (A) Africa
 - (B) Asia
 - (C) Europe
 - (D) Antarctica
68. What is the name of the potential COVID-19 vaccine, to be developed by Indian Council of Medical Research (ICMR) ?
- (A) Covidin
 - (B) Covaxin
 - (C) Covedin
 - (D) Coresearch

69. Business confidence index is released in a quarterly survey conducted by:

- (A) NITI Aayog
- (B) National Council for Applied Economic Research
- (C) Observer Research Foundation
- (D) Centre for Public Policy Research

70. The International Labour Organisation was established in the year:

- (A) 1919
- (B) 1945
- (C) 1939
- (D) 1947



SPACE FOR ROUGH WORK