THIS SHEET TO BE DETACHED / TORN OFF AND RETAINED BY INVIGILATOR ON COMPLETION OF EXAM / परीक्षा की पूर्ति पर इस पत्र को अलग करके / काटके निरीक्षक द्वारा रखा जाए।

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**CANDIDATE SHOULD OPEN THE SEALS ONLY AFTER THEY ARE ASKED TO DO SO. परीक्षार्थी निरूपण से पहले ही सील खोलों।**

The question paper is made up of the following sections as tabulated below:

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**English Paragraph:** "All the details given by me in the Application Form are true and complete to the best of my knowledge. I understand that I may be issued with Call letter for the exam on the basis of above information and mere issue of Call letter will not confer on me any right to be eligible for the post. I also understand that in case any of my statements are found to be untrue at any stage of recruitment or thereafter, I shall be disqualified forthwith for the post applied for and I shall be liable for any other penal action under the extant rules".

**हिंदी पैराग्राफः** "आवेदन पत्र में से इस दिखाया गया सभी विवरण मेरे अधिकार जानकारी के अनुसार सत्य और पूर्ण है। मैं समझता/समझती हूँ कि यदि परीक्षा के लिए उपयुक्त सूचना के आधार पर बुलावा पता जाता किया जाएगा और केवल बुलावा पता जाता करना पाते हैं के लिए पता होने का सूचना कोई अधिकार नहीं है। मैं यह समझता समझता हूँ कि पहले से विवरण भरने के नियमों के अनुसार अपने पत्र पर हटाए गए सूचनाओं का लाभ कर सकता हूँ, तो मैं आवेदित पत्र के लिए तत्काल निरीक्षक हो दाखिला/आकर्षण और मुख पर लागू नियमों के नहात कोई अंदौं कर्मचारी की जाआगी।"

**Signature of the Invigilator / निरीक्षक के हस्ताक्षर**

k MSC001115
INSTRUCTIONS

(Please read carefully and comply)

1. Kindly read the complete set of instructions carefully and also see the instructions on the back side of the OMR Answer Sheet and fill the details in the OMR Answer Sheet and Question Booklet.

2. One paragraph each in Hindi and English is given in page 1. Copying of the paragraph in the space provided in the OMR Answer sheet (in the language as filled in the application form either in Hindi or English) in your running hand is compulsory. DO NOT USE BLOCK LETTERS.

3. (a) **Question Booklet Serial No.** must clearly be written and marked in the bubbles in the space provided in the OMR Answer Sheet.

(b) **OMR Sheet No.** should be written in the space provided in the Question Booklet.

4. **After being instructed to open the Booklet,** the candidates will open the seals. It is the responsibility of the candidate to check and ensure that the booklet contains 100 questions and start the paper from page No. 14.

5. The question paper comprises 100 questions and are available in congruent versions of English, Hindi, Urdu, Assamese, Bengali, Manipuri, Odia, Telugu, Marathi, Gujarati, and Kannada languages. **In case of any doubt or confusion, English version shall prevail.**

6. All Questions are of Objective type. There is only one correct answer to each question carrying one mark. There will be negative marking for wrong answers. **For every wrong answer, 1/3 mark will be deducted.**

7. In the event of any mistake in any question/s, candidates will not be penalized. However no corrections will be made in question/s during the examination.

8. You must use **Blue or Black ball-point pen only** for answering. Altering of answers once entered is not permissible. Enter the answers in the Answer Sheet carefully.

9. Rough work, if any may be done in the Question Booklet only in the space provided at the end of the Booklet. No additional paper shall be provided.

10. Use of Log tables, Calculator, Slide rule, Mobile phone, Pager, Digital diary or any other electronic item / instrument etc. is not allowed. Their use will result in disqualification.

11. No candidate should leave the examination Hall before the final bell. The answer sheet as well as the top sheet of the Question Booklet should be handed over together to the invigilator before leaving the Examination Hall.
1. The Trade Union Act, 1926 legalises the Trade Union and gives it corporate personality under which section?
   (A) 11  (B) 12  (C) 13  (D) 14

2. Under which Schedule of the Industrial Disputes Act, 1947 are "Industries which may be declared to be Public Utility Services Under Sub-Clause (VI) of Clause (N) of Section 2" laid down?
   (A) First Schedule  (B) Second Schedule
   (C) Third Schedule  (D) Fifth Schedule

3. Which section of the Maternity Benefit Act deals with "Employment of, or work by, women prohibited during certain period"?
   (A) Section 4  (B) Section 5
   (C) Section 6  (D) Section 7

4. Which section of the Industrial Disputes Act, 1947, deals with "Payment of full wages to workman pending proceedings in higher courts"?
   (A) 17 A  (B) 17 B
   (C) 17 C  (D) None of these

5. Employees of the Organized Sector who are drawing salaries of not more than Rs. ______ per month are covered under the Employees State Insurance Act, as at present.
   (A) 15,000  (B) 10,000  (C) 6,500  (D) 3,500

6. As per the Employees State Insurance Act, 1948 who among the following would qualify as "dependent"?
   (A) widowed mother  (B) minor adopted son
   (C) unmarried daughter  (D) all of these

7. ________ prohibits discrimination in fixing salary to men and women engaged in the work of similar nature.
   (A) Minimum Wages Act, 1948
   (B) Payment of Wages Act, 1936
   (C) Payment of Subsistence Allowance Act
   (D) Equal Remuneration Act, 1976
8. The substitution of new Section for old Section 8 of the Maternity Benefit Act, 1961, was brought out in
(A) Maternity Benefit (Amendment) Act 2006
(B) Maternity Benefit (Amendment) Act 2007
(C) Maternity Benefit (Amendment) Act 2008
(D) Maternity Benefit (Amendment) Act 2009

9. As per the Maternity Benefit Act which of the following does the term “child” not include?
(A) a male child  (B) a female child
(C) a still born child  (D) none of these

10. Every employee shall be entitled to be paid by his employer in an accounting year, bonus, in accordance with the provisions of this Act, provided he has worked in the establishment for not less than —— working days in that year.
(A) 30  (B) 240  (C) 160  (D) 190

11. As per the Payment of Bonus Amendment Bill, 2013, which section of the Principal Act (i.e. Payment of Bonus Act, 1965) was proposed as omitted?
(A) Section 11  (B) Section 12  (C) Section 13  (D) Section 14

12. As per the Minimum Wages Act, 1948, an ‘adolescent’ is defined as one who has
(A) completed his thirteenth year of age but has not completed his eighteenth year
(B) completed his fourteenth year of age but has not completed his eighteenth year
(C) completed his fourteenth year of age but has not completed his twenty-first year
(D) completed his thirteenth year of age but has not completed his twenty-first year

13. The amount of gratuity payable to an employee under the Payment of Gratuity Act, on date shall not exceed
(A) Three lakh fifty thousand Rupees  (B) Five lakh fifty thousand Rupees
(C) Seven lakh Rupees  (D) Ten lakh Rupees

14. Section 18 of the Maternity Benefit Act deals with
(A) Quantum of maternity benefit
(B) Eligibility for maternity benefit
(C) Forfeiture of maternity benefit
(D) None of these
15. As per the Indian Factories Act, 1948 a person who has not completed 15 years of age is defined as a
   (A) Adolescent (B) Teenager
   (C) Child (D) Adult

16. The Powers of Inspectors is discussed in which section of the Indian Factories Act?
   (A) Section 9 (B) Section 10
   (C) Section 11 (D) Section 12

17. Which of the following Acts was passed in 1952?
   (A) Mines Act (B) Equal Remuneration Act
   (C) Indian Trade Union Act (D) Payment of Gratuity Act

18. The relationship between the employer and employee in an organization, is known as
   (A) Social relationship (B) Industrial relationship
   (C) Family relationship (D) Friendly relationship

19. How many months before the commencement of a mining operation should a written Notice be given?
   (A) 3 months (B) 2 months
   (C) 1 month (D) 4 months

20. Duties and responsibilities of owners, agents and managers of every mine are defined in Section ———— of the Mines Act.
   (A) 16 (B) 17 (C) 18 (D) 19

21. The ALU (Arithmetic Logic Unit) of a computer normally contains a number of high speed storage elements called
   (A) semi-conductor memory (B) registers
   (C) hard disks (D) magnetic disks
22. The Chilka Lake Region is situated between the deltas of
   (A) Krishna and Kaveri          (B) Godavari and Krishna
   (C) Ganga and Mahanadi         (D) Mahanadi and Godavari

23. Which of the following countries is the largest rice producing nation in the world?
   (A) Australia                   (B) USA
   (C) India                       (D) China

24. Guwahati is situated on the bank of the river
   (A) Brahmaputra                 (B) Teesta
   (C) Sone                        (D) Hooghly

25. Mt Everest is situated in
   (A) Russia                      (B) Nepal
   (C) Manipur                     (D) Himachal Pradesh

26. With which set of the following countries has Arunachal Pradesh common border?
   (A) Bhutan, Bangladesh and China
   (B) Myanmar, Bangladesh and China
   (C) Bhutan, China and Myanmar
   (D) Bhutan, Bangladesh and Myanmar

27. Which among the following is not a Gallantry award?
   (A) Arjuna Chakra               (B) Ashok Chakra
   (C) Param Vir Chakra            (D) Shaurya Chakra

28. What is the official residence of the US President?
   (A) The Kremlin                 (B) Elysee Palace
   (C) Buckingham Palace           (D) White House

29. Who among the following has not been a Chief Justice of India?
   (A) R. C. Lahoti                (B) G. B. Pattanaik
   (C) S. S. Gill                  (D) V. N. Khare
30. Sachin is younger than Rahul by 7 years. If their ages are in the respective ratio of 7 : 9, how old is Sachin?
   (A) 16 years  (B) 18 years  (C) 28 years  (D) $24\frac{1}{2}$ years

31. The present ages of three persons are in the proportion 4 : 7 : 9. Eight years ago, the sum of their ages was 56. Find their present respective ages (in years).
   (A) 8, 20, 28  (B) 16, 28, 36  (C) 20, 35, 45  (D) None of these

32. The ratio between the length and the breadth of a rectangular park is 3 : 2. If a man cycling along the boundary of the park at the speed of 12 km/hr completes one round in 8 minutes, then the area of the park (in sq.m.) is
   (A) 15360  (B) 153600  (C) 30720  (D) 307200

33. An error, 2% in excess is made while measuring the side of a square. The percentage of error in the calculated area of the square is
   (A) 2%  (B) 2.02%  (C) 4%  (D) 4.04%

34. The ratio between the perimeter and the breadth of a rectangle is 5 : 1. If the area of the rectangle is 216 sq.cm, what is the length of the rectangle?
   (A) 16 cm  (B) 18 cm  (C) 24 cm  (D) Data inadequate

35. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?
   (A) 6.25  (B) 6.5  (C) 6.75  (D) 7

36. A family consists of two grandparents, two parents and three grandchildren. The average age of the grandparents is 67 years, that of the parents is 35 years and that of the grandchildren is 6 years. What is the average age of the family?
   (A) $28\frac{4}{7}$ years  (B) $31\frac{5}{7}$ years  (C) $32\frac{1}{7}$ years  (D) None of these
37. What comes next?
5, 2, 7, 9, 16, 25, ________?
(A) 41  (B) 45  (C) 48  (D) 52

38. What comes next?
7, 26, 63, 124, 215, 342, ________?
(A) 391  (B) 421  (C) 481  (D) 511

39. What comes next?
6, 18, 3, 21, 7, 56, ________?
(A) 8  (B) 9  (C) 63  (D) 64

40. Find the missing number:
4, 9, 25, ________, 121, 169, 289, 361
(A) 49  (B) 64  (C) 81  (D) 87

41. What comes next?
6, 13, 28, 59, ________?
(A) 111  (B) 113  (C) 114  (D) 122

42. In the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative:
cccb__aa__cc__bbb__a__c
(A) acbc  (B) baca  (C) baba  (D) acba

43. In the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative:
bca__b__aabc__a__caa
(A) acab  (B) bcb__ (C) cbab  (D) ccab
Read the given information carefully and answer Q Nos. 44 to 48. (i) There are five persons P, Q, R, S and T. One is a football player, one a chess player and one a hockey player. (ii) P and S are unmarried ladies and do not participate in any game. (iii) None of the ladies plays chess or football. (iv) There is a married couple in the group in which T is the husband. (v) Q is the brother of R and is neither a chess player nor a hockey player.

44. Who is the Football player?
   (A) P
   (B) Q
   (C) R
   (D) S

45. Who is the Hockey player?
   (A) P
   (B) Q
   (C) R
   (D) S

46. Who is the chess player?
   (A) Q
   (B) R
   (C) S
   (D) T

47. Who is the wife of T?
   (A) P
   (B) Q
   (C) R
   (D) S

48. The three ladies are
   (A) P, Q, R
   (B) Q, R, S
   (C) P, Q, S
   (D) P, R, S

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49. The Trade Unions in India are governed by which of the following?
   (A) Industrial Disputes Act, 1926
   (B) Industrial Disputes Act, 1947
   (C) Trade Union Act, 1926
   (D) Trade Union Act, 1947

50. Appointment of Welfare Officer under Factories Act, 1948 (Indian), is compulsory where _______ employees are concerned.
   (A) 50   (B) 500   (C) 1000   (D) 100

51. In which section of the Factories Act, 1948 is the appointment of a Safety Officer mandated?
   (A) 40 A   (B) 39 B   (C) 40 B   (D) 39 A

52. Appointment of Safety Officer under Factories Act, 1948 (Indian), is compulsory where _______ or more employees are concerned.
   (A) 50   (B) 500   (C) 1000   (D) 100

53. Which section of the Industrial Disputes Act, 1947 talks about “Prohibition of Strikes and Lockouts”?
   (A) Section 22   (B) Section 23   (C) Section 24   (D) Section 25

54. Which of the following could said to a requirement of “employee” definition but not “worker” definition?
   (A) Mutuality of obligations   (B) Control
   (C) Personal service   (D) A Contract

55. Which of the following is not a category of work specified in the National Minimum Wage Act for the purpose of calculating hourly pay?
   (A) “Time work”, i.e. work that is paid for by reference to the time worked
   (B) “Salaried hours work”, i.e. where there are ascertainable basic hours in return for an annual basic salary, not varying with the hours actually worked
   (C) “Output work”, i.e. work that is paid wholly by reference to the number of pieces made or processed by the worker
   (D) “Overtime work”, i.e. work in excess of the weekly hours required in the contract
56. Which of the following absolves the employer's liability under Maternity Benefit Act and Workmen's Compensation Act?
(A) Employees Provident Fund Act
(B) Industrial Employment (Standing Order) Act
(C) Employees State Insurance Act
(D) Industrial Disputes Act

57. Any amount due from an employer under settlement or award can be recovered following the procedures laid in
(A) The Standing Orders
(B) Section 15 of the Payment of Wages Act
(C) Minimum Wages Act
(D) Section 33 (C) of the Industrial Disputes Act

58. That every Inspector appointed under the Maternity Benefit Act shall be deemed to be a Public servant within the meaning of Section 21 of the Indian Penal Code, is laid down in which Section of the said Act?

(A) 14  (B) 15  (C) 16  (D) 17

59. A member of the Corporation, the Standing Committee or the Medical Benefit Council under the Employees State Insurance Act, 1948 shall cease to be a member of that body if he fails to attend ——— consecutive meetings thereof under normal circumstances (i.e. that he is nor given re-membership, etc.)

(A) 3  (B) 5
(C) 7  (D) None of these

60. As per the Workmen's Compensation (Amendment) Act, 2009, which word is now substituted for "workmen"?

(A) workers  (B) servants
(C) employees  (D) vassals

61. Section 31 of the Employees State Insurance Act, 1948 entitled "Expenditure by Central Government to be treated as a loan" stands omitted by which amendment to that Act?

(A) Act No. 42 of 1965, Section 13 w.e.f. 23rd, July 1966
(B) Act No. 44 of 1966, Section 12 w.e.f. 17th, June, 1967
(C) Act No. 45 of 1966, Section 12 w.e.f. 17th, June, 1968
(D) None of these
62. As per the Workmen's Compensation Act, 'minor' is one who has
(A) not attained the age of twenty-one  (B) not attained the age of eighteen
(C) not been married  (D) has no assets

63. Under the Payment of Wages Act, 1936 payment of wages of establishments employing
not more than 1000 employees, shall be paid within _________ of the wage month.
(A) 10th day  (B) 7th day  (C) 2nd day  (D) 15th day

64. Which of the following means, a lump sum payment made by an employer as the retribu-
tional reward for an employee's past service when the employee's employment is terminated?
(A) Pension  (B) Gratuity
(C) Compensation  (D) None of these

65. Under the payment of Gratuity Act, a teacher working in a private-government
recognized school
(A) is eligible for all gratuity benefits
(B) shall be paid only half of the gratuity as any other employee similarly placed
(C) is not defined as an 'employee' and so is not entitled to any gratuity
(D) none of these

66. The power to recover from employer in certain cases, as was laid down in the Payment of
Wages Act, 1936 was repealed by
(A) Act 52 of 1963  (B) Act 53 of 1964
(C) Act 54 of 1965  (D) Act 55 of 1956

67. Which of the following is not a basis for bridging a gap in continuity?
(A) Where the employee is incapable of work through sickness or illness
(B) Where the employee is absent from work on account of a 'temporary cessation of
work'
(C) Where the employee is absent from work under circumstances such that, by
arrangement or custom, he is regarded as continuing in the employment of his
employer for any purpose
(D) Where the employee works only seasonally

68. Which Section of the Industrial Disputes Act, 1947 defines a "workman"?
(A) 2 (A)  (B) 2 (J)  (C) 2 (K)  (D) 2 (S)

69. Section 17B of the Industrial Disputes Act, 1947, deals with
(A) Payment of full wages to a workman at all times
(B) Cessation of payment to a workman at all times
(C) Payment of full wages to a workman pending proceedings in higher courts
(D) Payment of partial wages to a workman pending proceedings in higher courts
70. The term “operating system” means
(A) a set of programs which control computer working
(B) the way computer operator works
(C) conversion of high level language into machine code
(D) the way a floppy disk drive operates

71. Card reader is an example of which of the following?
(A) batch operating system (B) multiprogramming
(C) multi-tasking (D) none of these

72. An operation in database management system, that will increase the length of a list is
(A) Insert (B) Look up (C) Modify (D) All of these

73. Who is defined as the “competent authority” for the Lok Sabha in the Right to Information Act, 2005?
(A) The Prime Minister
(B) The Vice President
(C) The Speaker
(D) The Comptroller and Auditor General of India

74. When did the RTI Act come into force?
(A) 15th June 2005 (B) 12th October 2005
(C) 12th June 2005 (D) 15th October 2005

75. As per RTI Act 2005, within how much time of being asked must information be provided in a case of life and personal liberty?
(A) 15 days (B) 7 days (C) 10 days (D) 48 hours

76. In Tier-I of the New Pension Scheme, a Government servant shall have to make a contribution of ____% of monthly salary (pay in pay band + grade pay + DA) which will be deducted from his salary every month by the PAO (pay and accounts officer) concerned.
(A) 8% (B) 10% (C) 12% (D) 14%

77. In the case of Government servants who leave the Tier-I of the New Pension Scheme before attaining the age of 60, the mandatory annuitization would be of the pension wealth.
(A) 75% (B) 90% (C) 80% (D) 95%
78. In which State is the hydel power project Nathpa Jhakri located?
   (A) Himachal Pradesh  (B) Uttarakhand
   (C) Jammu and Kashmir  (D) Sikkim

79. Nagda is well known as a centre of production of
   (A) Steel  (B) Automobiles
   (C) Viscose staple fibre  (D) Electric motors

80. The term “Tee’’ is connected with
   (A) Billiards  (B) Bridge
   (C) Golf  (D) Polo

81. ‘Merdeka cup’ is associated with
   (A) Badminton  (B) Football
   (C) Hockey  (D) Golf

82. Who became the first batsman to score two double centuries in One Day International Cricket?
   (A) Sachin Tendulkar  (B) Rohit Sharma
   (C) Virat Kohli  (D) Suresh Raina

83. Which Cricket Ground (Stadium) in India celebrated completion of 150 years in November, 2014?
   (A) Wankhade Stadium, Mumbai
   (B) M.A. Chidambaram Stadium, Chennai
   (C) Eden Gardens Stadium, Kolkata
   (D) Chinnaswamy Stadium, Bengaluru

84. L. Sarita who created news by returning / refusing her medal at the Incheon Asian Games, in 2014, is associated with which sport?
   (A) Swimming  (B) Archery  (C) Boxing  (D) Fencing

85. The sum of the present ages of a father and his son is 60 years. Six years ago, father’s age was five times the age of the son. After 6 years, son’s age will be
   (A) 12 years  (B) 14 years  (C) 18 years  (D) 20 years
86. A grocer has a sale of Rs. 6,435, Rs. 6,927, Rs. 6,855, Rs. 7,230 and Rs. 6,562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Rs. 6,500?
   (A) Rs. 4,991   (B) Rs. 5,991   (C) Rs. 6,001   (D) Rs. 6,991

87. A bank offers 5% compound interest calculated on half-yearly basis. A customer deposits Rs. 1,600 each on 1st January and 1st July of a year. At the end of the year, the amount he would have gained by way of interest is
   (A) Rs. 120   (B) Rs. 121   (C) Rs. 122   (D) Rs. 123

88. The difference between simple and compound interests compounded annually on a certain sum of money for 2 years at 4% per annum is Re. 1. The sum (in Rs.) is
   (A) 625   (B) 630   (C) 640   (D) 650

89. A and B invest in a business in the ratio 3 : 2. If 5% of the total profit goes to charity and A's share is Rs. 855, the total profit is
   (A) Rs. 1,425   (B) Rs. 1,500   (C) Rs. 1,537.50   (D) Rs. 1,576

90. A, B and C jointly thought of engaging themselves in a business venture. It was agreed that A would invest Rs. 6,500 for 6 months, B, Rs. 8,400 for 5 months and C, Rs. 10,000 for 3 months. A wants to be the working member for which, he was to receive 5% of the profits. The profit earned was Rs. 7,400. Calculate the share of B in the profit
   (A) Rs. 1,900   (B) Rs. 2,660   (C) Rs. 2,800   (D) Rs. 2,840

91. Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. The marks obtained by them are
   (A) 39, 30   (B) 41, 32   (C) 42, 33   (D) 43, 34

92. A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had
   (A) 588 apples   (B) 600 apples
   (C) 672 apples   (D) 700 apples
93. In the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative:
   ab _ d _ aaba _ na _ badna _ b
   (A) andaa (B) babda (C) badna (D) dbanb

94. In the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative:
   m _ nm _ n _ an _ a _ ma _
   (A) aamnan (B) ammanm (C) aammnn (D) amammn

95. In the following letter series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative:
   _ bcc _ ac _ aabb _ ab _ cc
   (A) aabca (B) abaca (C) bacab (D) beaca

96. In a certain code language “PICTURE” is written as “QHDSVQF”. How would “BROWSER” be written in that code?
   (A) CQVVTDS (B) CQPVTDS (C) CQPUTDS (D) CQVPPDS

97. GJ is related to MP in the same way as QT is related to
   (A) WZ (B) WY (C) VZ (D) VY

98. Fill in the option that will replace the question mark:
   MNOP : KLMN : CRAV : ?
   (A) APYT (B) XIZE (C) QRST (D) ABCD

99. Choose the odd one out:
   (A) 26 (B) 124 (C) 728 (D) 64

100. Choose the appropriate option that can replace the “?” sign in the relationship given
    4, 2, 2, 4, : 2, 4, 4, 2 : 6, 4, 4, 6 : ?
    (A) 4, 6, 4, 6 (B) 4, 6, 6, 4 (C) 6, 4, 6, 4 (D) 2, 6, 6, 2