

## RRB Staff and Welfare Inspector Exam 2025 Paper

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### Question Paper

1.) According to Section 11(1) of the Minimum Wages Act, 1948, the minimum wages payable under the Act shall ordinarily be paid in which form?

- (A) Goods
- (B) Kind
- (C) Cash
- (D) Cheque

2.) According to Section 14 of the Trade Unions Act, 1926, certain statutes are declared inapplicable to registered Trade Unions. Which of the following statutes is NOT included in that list?

- (A) The Companies Act, 1956
- (B) The Societies Registration Act, 1860
- (C) The Workmen Compensation Act, 1923
- (D) The Co-operative Societies Act, 1912

3.) Under Section 11(3) of the Workmen's Compensation Act, 1923, if an employee leaves the vicinity of the place of employment before the required medical examination without being examined, what is the effect on his right to compensation?

- (A) It is suspended until he returns and offers himself for examination.
- (B) It is permanently forfeited.
- (C) It is reduced by half.
- (D) It remains unaffected.

4.) Under section 46 of the Employees' State Insurance Act, 1948, maternity benefit is payable to an insured woman in which of the following situations?

- (A) Any illness certified by a medical practitioner
- (B) Confinement or miscarriage or sickness arising out of pregnancy
- (C) Any sickness related to pregnancy
- (D) Injury caused during employment

5.) Under Section 13 of the Industrial Employment (Standing Orders) Act, 1946, what is the maximum quantum of fine that is imposed on employer who fails to submit draft standing orders as required by Section 3?

- (A) Six thousand rupees
- (B) Fifteen thousand rupees
- (C) Five thousand rupees
- (D) Seven thousand rupees

6.) According to the explanation attached to Section 28 of the Factories Act, 1948, a lifting machine is not deemed to be a 'hoist' or 'lift' unless it has which of the following?

- (A) An automated pulley

- (B) Wheels for movement
  - (C) A platform or cage movement of which is restricted by a guide
  - (D) An enclosed shaft
- 7.) Which keyboard shortcut opens the Spelling and Grammar check dialog box in Microsoft Word?
- (A) Ctrl + F7
  - (B) F5
  - (C) F7
  - (D) Shift + F7
- 8.) Under Section 28 of The Payment of Bonus Act, 1965, what penalty is prescribed for the contravention of its provisions?
- (A) Imprisonment up to six months, or fine up to one thousand rupees, or both
  - (B) Imprisonment up to six months, or fine up to three thousand rupees, or both
  - (C) Fine that may extend to three thousand rupees
  - (D) Imprisonment up to three months, or fine up to one thousand rupees, or both
- 9) Under Section 7 of the Mines Act, 1952, which of the following is NOT a power of the Inspector of Mines?
- (A) To make any person to answer any question if it does not incriminate him/her
  - (B) To make such examination and inquiry as he thinks fit to ascertain the compliance of the Act
  - (C) To enter, inspect and examine any mine or any part thereof at any time by day or night
  - (D) To exercise powers in such a manner to unreasonably impede or obstruct the working of any mine
- 10.) Under Section 8 of The Payment of Bonus Act, 1965, what is the minimum time period of work required for an employee to become eligible for bonus from the establishment?
- (A) Not less than thirty working days in that year
  - (B) Not less than one year
  - (C) Not less than thirty days in that year
  - (D) Not less than thirty-one working days in that year
- 11.) Under the provision of 'Duties of Courts' contained in The Industrial Disputes Act, 1947, what time period is stipulated for the Court to inquire into the matters referred to it and report thereon to the appropriate Government?
- (A) Within nine months from the issuance of notice
  - (B) Within one year from the conclusion of hearings
  - (C) Within three months from the date of reference
  - (D) Ordinarily within six months from the commencement of its inquiry
- 12.) Under Section 8(3) of the Right to Information Act, 2005, when the question arises as to the date from which the period of 20 years is to be computed for the purpose of providing information, the decision of which authority shall be deemed final?
- (A) Central Government
  - (B) State Government
  - (C) Central Public Information Officer
  - (D) Public Information Officer
- 13.) Under Section 6(2) of the Maternity Benefit Act, 1961, a pregnant woman is required to furnish a notice to her employer stating the date from which she shall be absent from work. Such date should NOT be:

- (A) Earlier than eight weeks from the date of her expected delivery
- (B) Earlier than sixteen weeks from the date of her expected delivery
- (C) Earlier than six weeks from the date of her expected delivery
- (D) Earlier than nine weeks from the date of her expected delivery

14.) Section 26(1) of The Employees' State Insurance Act, 1948, provides that all contributions paid under this Act shall be paid into a Fund that shall be held and administered by the Corporation. What is the name of this Fund?

- (A) The Pension Fund
- (B) The Employees' State Insurance Fund
- (C) The Corporation Fund
- (D) The Provident Fund

15.) Under Section 4 of the Payment of Gratuity Act, 1972, for the payment of gratuity, completion of continuous service of five years is NOT necessary if the termination of employment is due to:

- (A) Misconduct
- (B) Voluntary resignation
- (C) Retirement
- (D) Death or disablement

16.) According to Section 11(2) of The Employees Provident Funds and Miscellaneous Provisions Act, 1952, what treatment shall be accorded to any amount that is due from an employer in respect of the employees' contribution?

- (A) Require prior approval of the Central Government before recovery as first charge
- (B) Be recoverable only after liquidation proceedings are completed
- (C) Be treated as an unsecured debt recoverable after other statutory dues are paid
- (D) Be deemed the first charge on the assets of the establishment and paid in priority to all other debts

17.) Which of the following services is used for real-time communication on the Internet, allowing users to exchange text messages instantly?

- (A) Email
- (B) IRC (Internet Relay Chat)
- (C) HTTP
- (D) FTP

18.) Under Section 6A(2)(a) of the Employees' Provident Funds and Miscellaneous Provisions Act, 1952, the employer's contribution to the Pension Fund, as specified in the Pension Scheme, shall not exceed:

- (A) 7% of the basic wages, dearness allowance and retaining allowance
- (B) 10% of the basic wages, dearness allowance and retaining allowance
- (C) 8½% of the basic wages, dearness allowance and retaining allowance
- (D) 5% of the basic wages, dearness allowance and retaining allowance

19.) The obligations of a person employed in a mine are enumerated under which provision of the Mines Act, 1952?

- (A) Section 73A
- (B) Section 73
- (C) Section 74
- (D) Section 72

20.) Section 22 of the Industrial Disputes Act, 1947, deals with which of the following?

- (A) Duty of an employer to maintain muster rolls of workmen
- (B) Illegal strikes and lock-outs
- (C) Prohibition of strikes and lock-outs
- (D) Prohibition of financial aid to illegal strikes and lock-outs

21.) Under Section 27(2) of the Trade Unions Act, 1926, when the dissolution of a registered Trade Union has been registered and the Rules of the Trade Union do not provide for the distribution of funds of the Trade Union on dissolution, who divides such funds?

- (A) The Tribunal
- (B) Registrar
- (C) Any Member of the Trade Union
- (D) State Government

22.) As per Section 5 of the Industrial Employment (Standing Orders) Act, 1946, upon forwarding the draft standing orders to the trade union or workmen, the Certifying Officer must require that objections should be submitted within how many days?

- (A) Twenty-one days from the receipt of the notice
- (B) Ten days from the receipt of the notice
- (C) Seven days from the receipt of the notice
- (D) Fifteen days from the receipt of the notice

23.) In which of the following situations a person would NOT be penalised under Section 28 of the Payment of Bonus Act, 1965?

- (A) Fails to comply with the requisition made under the Act
- (B) Maintains proper records and complies with the Act
- (C) Fails to comply with the direction made under the Act
- (D) Contravenes any of the provisions of this Act

24.) According to Section 10 of the Right to Information Act, 2005, in cases where access is granted to a part of the record under Sub-Section (1), which authority is bound to give notice to the applicant informing the particulars specified in Sub-Section (2)?

- (A) Any gazetted officer
- (B) Central public information officer
- (C) Any officer of the government
- (D) Any police officer

25.) Under Section 25C of the Industrial Disputes Act, 1947, what amount of compensation is payable for lay-off of the workman who has completed not less than one year of continuous service under an employer?

- (A) 60% of the total of the basic wages and dearness allowance
- (B) 70% of the total of the basic wages and dearness allowance
- (C) 10% of the total of the basic wages and dearness allowance
- (D) 50% of the total of the basic wages and dearness allowance

26.) According to Section 23(2) of the Mines Act, 1952, if a notice given under Section 23(1) relates to an accident causing loss of life, the authority shall make an inquiry into the occurrence within how many months of the receipt of the notice?

- (A) One month
- (B) Four months

- (C) Three months
- (D) Two months

27.) Under Section 3 of the Industrial Employment (Standing Orders) Act, 1946, how many copies of the proposed draft standing orders have to be submitted by the employer to the Certifying Officer?

- (A) Two copies
- (B) Five copies
- (C) Three copies
- (D) Four copies

28.) Which of the following is NOT a prerequisite specified under Section 23 of the Factories Act, 1948, for a young person to be employed to work on a dangerous machine?

- (A) Full instruction on dangers and precautions related to the machine
- (B) Adequate supervision by an experienced person
- (C) Sufficient training in working at the machine
- (D) Educational qualification prescribed for handling this work

29.) What is the time stipulated for payment of wages under Section 5(1) of the Payment of Wages Act, 1936, for railway, factory or industrial establishment in which less than one thousand persons are employed?

- (A) To be paid before expiry of the seventh day
- (B) To be paid before expiry of the sixteenth day
- (C) To be paid before expiry of the seventeenth day
- (D) To be paid before expiry of the sixth day

30.) According to Section 5 of the Factories Act, 1948, during a public emergency, the State Government may exempt factories from the provisions of the Act for a period not exceeding how long?

- (A) Three months at a time
- (B) Seven months at a time
- (C) Two months at a time
- (D) One month at a time

31.) According to Section 14 of the Trade Unions Act, when the Trade Union is registered under the Companies Act, 1956, what shall be the legal status of the Trade Union so formed?

- (A) Valid
- (B) Voidable
- (C) Void
- (D) Illegal

32.) Under Section 10 of the RTI Act, 2005, what details must be included in the notice for partial disclosure?

- (A) Applicant's criminal record
- (B) Fees payable and the form of access provided
- (C) Personal opinion of the PIO on the applicant's request
- (D) Whether the PIO supports the RTI Act

33.) Under Section 8(6) of the Workmen's Compensation Act, 1923, when compensation deposited with the Commissioner is payable to a person, in which case is the Commissioner NOT bound to pay the money directly to that person?

- (A) When the person is a non-natural person

- (B) When the person is a male above 18 years of age
- (C) When the person is neither a woman nor under a legal disability
- (D) When the person is a woman or a person under a legal disability

34.) For the purposes of Section 9 of the Payment of Wages Act, 1936, when shall an employed person be deemed absent from the place of work?

- (A) When he is present but waiting for instructions from the employer
- (B) When he is present but refuses to work due to a stay-in strike or any other unreasonable cause
- (C) When he is on sanctioned leave
- (D) Only when he is physically not present at the workplace

35.) Which of the following is an example of a text file?

- (A) song.mp3
- (B) report.txt
- (C) movie.mp4
- (D) photo.jpg

36.) \_\_\_\_\_ is the shortcut key used to open an existing spreadsheet in MS Excel.

- (A) Ctrl + P
- (B) Ctrl + N
- (C) Ctrl + O
- (D) Ctrl + S

37.) In the context of Section 7(2)(e) of the Payment of Wages Act, 1936, the word 'services' DOES NOT include:

- (A) Supply of tools and raw materials required for employment
- (B) Providing training to employees
- (C) Offering transportation facilities to employees
- (D) Supervising the work of employees

38.) As per the Explanation to Section 5 of the Workmen's Compensation Act, 1923, a period of service is deemed continuous if it has NOT been interrupted by an absence from work exceeding how many days?

- (A) 10 days
- (B) 21 days
- (C) 7 days
- (D) 14 days

39.) Under Section 8(j) of the Right to Information Act, 2005, which type of information is exempt from disclosure unless a larger public interest justifies it?

- (A) Government contracts and tenders
- (B) Public safety and disaster management information
- (C) Personal information unrelated to public activity or interest, or causing unwarranted invasion of privacy
- (D) Environmental impact assessment reports

40.) \_\_\_\_\_ is the keyboard shortcut key to start a PowerPoint presentation from the beginning.

- (A) F5
- (B) Shift + F5
- (C) Esc

(D) Ctrl + F5

41.) What is the situation mentioned under Section 11 of the Employees Provident Fund Act, 1952, where the priority of payment of contributions over other debts of the employers has to be decided?

- (A) Where any employee is adjudicated insolvent
- (B) Where any employer is solvent
- (C) Where any employer is adjudicated insolvent
- (D) Where the company is solvent

42.) Under the Central Civil Services (Implementation of National Pension System) Rules, 2021, the basic pay for calculating 'emoluments' under NPS is as defined in:

- (A) Rule 7(21)(a)(i) of the Fundamental Rules, 1922
- (B) Rule 9(21)(a)(i) of the Fundamental Rules, 1922
- (C) Rule 10(21)(a)(i) of the Fundamental Rules, 1922
- (D) Rule 8(21)(a)(i) of the Fundamental Rules, 1922

43.) Under Section 25F of the Industrial Disputes Act, 1947, no workman employed in any industry who has been in continuous service for not less than one year under an employer shall be retrenched by that employer. Which of the following is NOT a condition precedent to such retrenchment?

- (A) The workman is paid in lieu of such notice, wages for the period of the notice.
- (B) Notice in the prescribed manner is served on the appropriate Government or authority.
- (C) The notice indicates the reasons for retrenchment and the period of notice has expired.
- (D) The workman is given two months notice in writing.

44.) According to Section 4 of the Minimum Wages Act, 1948, any minimum rate of wages fixed or revised by the appropriate government in respect of the scheduled employments under Section 3 CANNOT consist of:

- (A) A basic rate of wages and a special allowance at a rate to be adjusted
- (B) The cash value of the tax deductions in respect of supplies of essential commodities
- (C) A basic rate of wages with or without the cost-of-living allowance
- (D) An all-inclusive rate allowing for the basic rate

45.) Under Section 9 of the Trade Unions Act, 1926, the Certificate of Registration shall be treated as what kind of evidence in respect of the registration of the Trade Union concerned?

- (A) Weak Evidence
- (B) Conclusive Evidence
- (C) Non-conclusive Evidence
- (D) Direct Evidence

46.) According to Section 86 of the Employees' State Insurance Act, 1948, whose sanction is required for instituting a prosecution under the Act?

- (A) Insurance Commissioner or officer of the corporation authorised by the Director General
- (B) The Central Government
- (C) The Labour Court
- (D) The Registrar of Companies

47.) Which of the following is NOT correct with respect to the family's entitlement upon the death of a subscriber under Rule 20(2) of the Central Civil Services (NPS) Rules, 2021?

- (A) If there is no valid nomination, the remaining amount of the corpus is paid to the Consolidated Fund of the State.

(B) If benefits are payable under the Extraordinary Pension Rules, the Government's contribution and returns are credited to the Government account.

(C) If there is no valid nomination, the remaining amount of the corpus is paid to the legal heir(s).

(D) The remaining pension corpus is paid to the nominated person(s) as per the PFRDA Regulations, 2015.

48.) Under Section 8 of the Maternity Benefit Act, 1961, what amount of medical bonus is payable by the employer?

(A) Five Hundred Rupees

(B) Three Thousand Rupees

(C) One Thousand Rupees

(D) Two Thousand Rupees

49.) According to Section 69(7) of the Factories Act, 1948, any fee payable for a certificate of fitness for a young person is to be paid by whom?

(A) The occupier

(B) The young person himself

(C) The State Government

(D) The young person's parents or guardian

50.) According to Section 5(2) of the Payment of Wages Act, 1936, if an employee's employment is terminated by or on behalf of the employer, when must the wages earned be paid?

(A) Before the end of the same day of termination

(B) Before the expiry of the second working day from the day of termination

(C) Before the expiry of the first working day from the day of termination

(D) Before the expiry of the third working day from the day of termination

51.) Which of the following acts provided (for the first time) for the association of Indians with the executive councils of the Viceroy and Governors?

(A) Government of India Act of 1919

(B) Government of India Act of 1935

(C) Indian Independence Act of 1947

(D) Indian Councils Act of 1909

52.) Which of the following are the ways of expressing the concentration of a solution?

(i) Mass by mass percentage of a solution

(ii) Mass by volume percentage of a solution

(iii) Volume by volume percentage of a solution

(A) (i) and (ii) only

(B) (ii) and (iii) only

(C) (i), (ii) and (iii)

(D) (i) and (iii) only

53.) What happens to the total resistance when multiple resistors are connected in series?

(A) It becomes less than the smallest resistance.

(B) It equals the sum of all individual resistances.

(C) It becomes equal to the smallest resistance among them.

(D) It equals the product of all individual resistances.

54.) If the diameter of the moon is approximately one-fourth the diameter of the earth, the ratio of their surface areas is:

- (A) 1:16
- (B) 4:1
- (C) 1:12
- (D) 1:4

55.) In 2025, 16-year-old Vishwanath Karthikey Padakanti, the youngest Indian to complete the Seven Summits challenge, hails from which place in India?

- (A) Chennai
- (B) Trivandrum
- (C) Mumbai
- (D) Hyderabad

56.) What should come in place of the question mark (?) in the given series?

92 163 234 ? 376

- (A) 305
- (B) 333
- (C) 341
- (D) 312

57.) Which of the following does the 'inclusive rural development' mean?

- (A) It only addresses the needs of large landowners.
- (B) It promotes exclusionary practices in rural communities.
- (C) It is based solely on economic growth.
- (D) It involves ensuring that all members of the community, including marginalised groups, benefit from development initiatives.

58.) If the third proportional of 45 and 60 is x, then what is the value of x?

- (A) 79
- (B) 81
- (C) 77
- (D) 80

59.) The simplified value of  $140 \div \left[ \frac{8}{4} \times \{ 10 + 6 - (8 + 5 - (4 + 7)) \} \right]$  is:

- (A) 8
- (B) 2
- (C) 1
- (D) 5

60.) During a biology trip to a pond, students observed algae, fish, frogs, water, and stones. Which of the following best categorises these components?

- (A) Fish and frogs are abiotic; algae and water are biotic.
- (B) All are biotic components.
- (C) Algae, fish, and frogs are biotic; water and stones are abiotic.
- (D) Water, stones, and fish are abiotic components.

61.) In a certain code language, 'MOST' is coded as '9613' and 'STOP' is coded as '4319'. What is the code for 'P' in the given code language?

- (A) 3
- (B) 6
- (C) 1
- (D) 4

62.) Which of the following correctly describes intercropping?

- (A) Growing two or more crops together on the same field in a planned layout
- (B) Cultivating crops without applying manure or compost
- (C) Planting the same crop repeatedly on the same land
- (D) Growing crops in rotation over different seasons

63.) Which administrative change was introduced after the Revolt of 1857?

- (A) The Governor-General of India was given the title of Viceroy.
- (B) Indian rulers were assured their states would not be annexed without misrule.
- (C) The ratio of European to Indian soldiers in the army was increased.
- (D) The East India Company rule was abolished and transferred to the British Crown.

64.) Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) G R E Q T H C X Z O B Y M I S U K W A D F (Right)

How many such vowels are there each of which is immediately preceded by a consonant and also immediately followed by a vowel?

- (A) 0
- (B) 1
- (C) 3
- (D) 2

65.) Which of the following Amendments to the Indian Constitution added the 11<sup>th</sup> schedule to the Indian Constitution?

- (A) 44th Amendment 1978
- (B) 25th Amendment 1971
- (C) 73rd Amendment 1992
- (D) 42nd Amendment 1976

66.) In which year was the 'Green Climate Fund' established to expand collective human action to respond to climate change?

- (A) 2018
- (B) 2014
- (C) 2022
- (D) 2010

67.) Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

VZC–FJM

DHK–NRU

- (A) RUW–AEH
- (B) RVY–AFH
- (C) RUW–BFI
- (D) RVY–BFI

68.) A, B, C, D, P, Q and R are sitting around a circular table facing the centre of the table. Only one person sits between D and A when counted from the right of D. Only one person sits between A and R. Only one person sits between D and B. Only two people sit between P and R. Only one person sits between C and B. Who sits third to the right of Q?

- (A) D
- (B) A
- (C) R
- (D) C

69.) I sold my bike for ₹13,600 at a loss of 20%. What is the cost price?

- (A) ₹16,000
- (B) ₹18,000
- (C) ₹17,000
- (D) ₹21,000

70.) What should come in place of the question mark (?) in the given series based on the English alphabetical order?

PIK, IBD, BUW, UNP, ?

- (A) NGY
- (B) NGI
- (C) NIG
- (D) NGT

71.) Seven boxes E, F, G, H, S, T and U are kept one over the other but not necessarily in the same order. Only two boxes are kept below S. Only one box is kept above U. Only one box is kept between U and E. G is kept immediately above F. T is kept at some place below H. How many boxes are kept between H and G?

- (A) Three
- (B) One
- (C) Two
- (D) Four

72.) The number 1071819 is divisible by:

- (A) 53
- (B) 64
- (C) 35
- (D) 47

73.) In July 2025, which of the following institutes announced to develop an advanced AI+ campus, a first-of-its-kind greenfield campus at Amaravati in Andhra Pradesh?

- (A) Bapatla Engineering College, Guntur
- (B) Birla Institute of Technology and Science (BITS), Pilani
- (C) GMR Institute of Technology, Rajam
- (D) Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal

74.) The sum of the age of A and 3 times the age of B is 43 years. When 5 times the age of A is added to 2 times the age of B, the result is 98 years. The sum of the ages (in years) of A and B is:

- (A) 30
- (B) 25

- (C) 21
- (D) 20

75.) Which type of wind causes rainfall in India during the summer monsoon?

- (A) North-west monsoon winds
- (B) South-west monsoon winds
- (C) South-east trade winds
- (D) North-east trade winds

76.) Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements:

All cards are bikes.

All bikes are jeeps.

Conclusions:

- (I) Some jeeps are bikes.
- (II) All cards are jeeps.
- (A) Only conclusion (I) follows.
- (B) Only conclusion (II) follows.
- (C) Both conclusions (I) and (II) follow.
- (D) Neither conclusion (I) nor (II) follows.

77.) Each vowel in the word 'OLYMPICS' is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the fourth letter preceding it in the English alphabetical order. Then, all the letters are rearranged in the English alphabetical order. What will be the third letter from the right end in the new letter cluster thus formed?

- (A) P
- (B) U
- (C) Y
- (D) T

78.) Which of the following Articles of the Indian Constitution directs the State to make provision for securing just and humane conditions of work and for maternity relief?

- (A) Article 46
- (B) Article 40
- (C) Article 42
- (D) Article 44

79.) Which type of lens is known as a diverging lens?

- (A) Cylindrical lens
- (B) Concave lens
- (C) Plano - Convex lens
- (D) Convex lens

80.) In May 2025, who was appointed as Director (R&D) of Bharat Electronics Limited (BEL), a Navratna Defence PSU?

- (A) KV Suresh Kumar
- (B) Hari Kumar R
- (C) Vikraman N

(D) Ranjish Sharma

81.) This question is based on the following words.

(Left) AND CND CNK ANK (Right)

If 'B' is added before each word, which of these words will form meaningful English word(s)?

(A) Both AND and ANK

(B) Both CND and CNK

(C) Only AND

(D) Only ANK

82.) In a certain code language, 'web day book' is coded as 'ud gq cg' and 'jaw book mango' is coded as 'hx ix ud'. How is 'book' coded in the given language? (All codes are two-letter codes.)

(A) hx

(B) ud

(C) cg

(D) gq

83.) Which of the following are homogeneous mixtures?

(i) Salt in water

(ii) Sugar in water

(iii) Oil and water

(iv) Copper sulphate in water

(A) i and ii only

(B) iii and iv only

(C) i, ii and iv only

(D) ii and iii only

84.) Which three essential nutrients are usually present in a balanced fertiliser?

(A) Phosphorus, Calcium, Copper

(B) Nitrogen, Phosphorus, Potassium

(C) Potassium, Iron, Boron

(D) Nitrogen, Zinc, Sulphur

85.) What instrument is used to measure blood pressure?

(A) Glucometer

(B) Spirometer

(C) Sphygmomanometer

(D) Electroencephalograph

86.) A delivery van travels 156 km in 3.5 hours at a constant speed. What is its speed in km/hr (rounded off to the nearest whole number)?

(A) 45 km/hr

(B) 42 km/hr

(C) 43 km/hr

(D) 48 km/hr

87.) The Kumaon Himalaya is located between:

(A) Indus and Teesta Rivers

(B) Kali and Teesta Rivers

(C) Teesta and Satluj Rivers

(D) Satluj and Kali Rivers

88.) What is the mean of the following distribution?

Marks	13	33	51	76	83
No. of Students	53	13	24	23	16

- (A) 59
- (B) 55
- (C) 42
- (D) 62

89.) What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$8 \times 2 \div 16 = ?$$

- (A) 64
- (B) 56
- (C) 48
- (D) 60

90.) Which of the following statements are correct?

1. The Law of Constant Proportions is also called the Law of Definite Proportions.
2. In water, the mass ratio of hydrogen to oxygen is always 1 : 8.
3. Dalton's Atomic Theory explained both the Law of Conservation of Mass and the Law of Definite Proportions.
4. In ammonia, nitrogen and hydrogen are always present in the ratio 8 : 1 by mass.

- (A) 1 and 2 only
- (B) 1, 3 and 4 only
- (C) 2, 3 and 4 only
- (D) 1, 2 and 3 only

91.) Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

AXY–XUV

GDE–DAB

- (A) VRR–SPQ
- (B) VRR–ROP
- (C) VST–RPP
- (D) VST–SPQ

92.) Which of the following statements with respect to national highways (NH) in India is NOT correct?

- (A) The Secondary Routes of NH are numbered in 3 digits, with 2 digits as the same as that of the Primary Route Number.
- (B) The NHs predominantly along the North South direction and along the East-West direction are considered as Primary Routes.
- (C) The Primary Routes of NH along the North-South direction is numbered in increasing order from east to west direction as odd numbers in 2 digits.
- (D) National Highway (NH) 44 is the longest national highway in India.

93.) An amount becomes 729 times in 3 years, compounding half yearly. Find the rate of interest per annum.

- (A) 300%
- (B) 400%
- (C) 200%
- (D) 100%

94.) Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

QTW–SVY

YBE–ADG

- (A) CFI–DHJ
- (B) CFI–EHK
- (C) CEG–DGJ
- (D) CEG–EHK

95.) Team A can complete a job in 15 days and Team B in 20 days. They work together for 6 days, then Team A works alone for 3 days, after which Team A's efficiency reduces to 60% while Team B joins again at 120% efficiency. How many more days will it take to complete the job?

- (A)  $1\frac{1}{2}$  days
- (B)  $1\frac{1}{5}$  days
- (C) 1 day
- (D)  $\frac{1}{2}$  day

96.) The Permanent Settlement of Bengal (1793) introduced by Lord Cornwallis fixed revenue to be collected from which of the following?

- (A) Moneylenders
- (B) Peasants directly
- (C) Village Panchayats
- (D) Zamindars

97.) As of 15 August 2025, who among the following is the only cricketer to score three double centuries in One-Day Internationals (ODIs)?

- (A) Sachin Tendulkar
- (B) Rohit Sharma
- (C) Virat Kohli
- (D) Suryakumar Yadav

98.) The electrical resistance of a conductor depends upon which of the following factors?

- (A) Length of the conductor, area of cross-section, and material
- (B) Voltage applied across the conductor
- (C) Temperature of the conductor
- (D) Length of the conductor and area of cross-section

99.) In July 2025, AIIMS Bibinagar in collaboration with which of the following organisations jointly unveiled India's first indigenously designed and developed cost-effective advanced carbon fibre foot prosthesis named ADIDOC?

- (A) Bharat Forge Limited
- (B) Defence Research and Development Organisation
- (C) Bharat Dynamics Limited

(D) Tata Advanced Systems Limited

100.) If 'I' stands for '+', 'J' stands for '×', 'K' stands for '÷', and 'L' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$36 L 2 J 4 I 6 K 2 L 5 = ?$$

(A) 24

(B) 26

(C) 32

(D) 21