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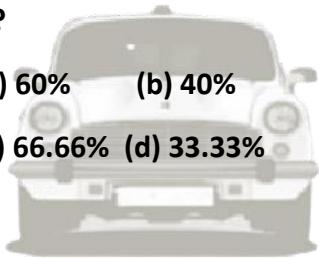
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Full mock test – (10)

Maths

1. If A's income is 40% less than that of B, how much percent B's income is more than that of A?

- (a) 60% (b) 40%
(c) 66.66% (d) 33.33%

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2. What percent decrease in salary would exactly cancel out the 20 percent increase ?

- (a) 20% (b) $16 \frac{2}{3}\%$
(C) $33 \frac{1}{3}\%$ (d) 18%

3. A boat rows downstream covers a distance of 20 km in 2 hrs while it covers the same distance upstream in 5 hrs. Then speed of the boat in still water is:

- (a) 7 km/hr (b) 8 km/hr
(c) 9 km/hr (d) 10 km/hr



4. The speed of a boat in still water is 10 km/hr. It covers (upstream) a distance of 45 km in 6 hours. The speed (in km/ hr) of the stream is :

- (a) 2.5 km/h (b) 3 km/h
(c) 3.5 km/h (d) 4 km/h

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5. The length of a train and that of a platform are equal. If with a speed of 90 km/hr the train crosses the platform in one minute, then the length of the train(in meters) is:

- (a) 500 (b) 600
(c) 750 (d) 900

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6. How many seconds will a 500 metre long train take to cross a man walking with a speed of 3 km./hr. in the direction of the moving train if the speed of the train is 63 km/hr ?

- (a) 25 sec (b) 30 sec
- (c) 40 sec (d) 45 sec

7. $\frac{1}{5}$ of a number exceed $\frac{1}{7}$ of the same number by. 10 the number is :

- (a) 25 (b) 150
- (c) 175 (d) 200

8. A cloth merchant on selling 33 metres of cloth obtains a profit equal to the selling price of 11 metres of cloth, the profit is

- (a) 40% (b) 22%
- (c) 50% (d) 11%

9. A mixture contains wine and water in the ratio 3:2 and another mixture contains them in the ratio 4:5. How many liters of the latter must be mixed with 3 liters of the former so that the resulting mixture may contain equal quantities of wine and water?

- (a) $5 \frac{2}{5}$ liters (b) $5 \frac{2}{3}$ liters
- (c) $4 \frac{1}{2}$ liters (d) $3 \frac{3}{4}$ liters

10. A fruit seller sold big, medium and small sized apples for ₹15, ₹10 and ₹5 respectively. The total number of apples sold were in the ratio 3:2:5. Find the average cost of an apple.

- (a) ₹ 8 (b) ₹ 10
- (c) ₹ 9 (d) ₹ 7

Reasoning

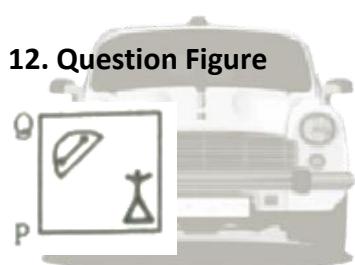
11. A group of friends are sitting in an arrangement one each at the corner of an octagon. All are facing the center. Mahima is sitting diagonally opposite Rama, who is on Sushma's right.



Ravi is next to Sushma and opposite Girdhar, who is on Chandra's left. Savitri is not on Mahima right but opposite Shalini. Who is on Shalini right?

- (1) Ravi (2) Mahima
- (3) Girdhar (4) Rama

12. Question Figure



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Answer Figures



- (1) (2) (3) (4)

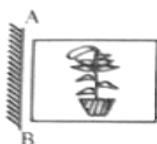
13. Ganesh. is standing at a point. He walks 20 m towards the East and further 10 m towards the South; then he walks 35 m towards the West; and further 5 m towards the East. What is the straight distance in metres between his starting point and the point where he reached last?

- (1) 20 m (2) 5 m
- (3) 10 m (4) 35m

14. A woman is running 12 km in north direction and then she is running 6 km in south direction and then she is running 8 km in east direction. Then in which direction is he and how far distance ?

- (1) 5 km North-East (2) 5 km, East
- (3) 10 km North-East (4) 10 km, West

15. Question Figure



Answer Figures



- (1) (2) (3) (4)

G.s –History

16. With reference to the entry of European powers into India.

which one of the following statements is not correct?

- (a) The Portuguese captured Goa in 1499
- (b) The English opened their first factory in South India at Masulipatnam
- (c) In Eastern India, the English company opened its first factory in Orissa in 1633
- (d) Under the leadership of Dupleix, the French occupied.

17. The first to start a joint stock company to trade with India were :

- (a) Portuguese (b) Dutch
- (c) French (d) Danish

18. The educated middle class in India:

- (a) Opposed the revolt of 1857
- (b) Supported the revolt of 1857
- (c) Remained neutral to the revolt of 1857
- (d) Fought against native rulers

19. At the time of 1857 Revolt who was the British Commanding Officer at Barrackpore?

- (a) Henry Lawrence (b) Colonel Finniss
- (c) Hearsey (d) Sir Hugh Wheeler

20. Englishmen made the Treaty of Srirangapatnam with-

- (a) Hyder Ali (b) Dupleix
- (c) Tipu Sultan (d) Nandraj

21. Begum Samru constructed most eminent church at:

- (a) Mount Abu (b) Nainital
- (c) Sardhana (d) Kanpur



22. The Waghela Uprising happened in

- (a) Surat (b) Poona
- (c) Calicut (d) Baroda

23. What was the Santhal Pargana region called in ancient times?

- (a) Narikhand (b) Man-Varjikah
- (c) Kartasina (d) None of these

24. At a time when empires in Europe were crumbling before the might of Napoleon, which one of the following Governors-General kept the British flag flying high in India?

- (a) Lord Dalhousie (b) Lord Cornwallis
- (c) Lord Wellesley (d) Lord Hastings

25. Who among the following Governor Generals of Bengal was associated with Third Anglo-Mysore War?

- (a) Warren Hastings
- (b) Lord Cornwallis
- (c) Sir John Shore
- (d) Lord William Cavendish Bentinck

Polity

26. Who appoints the Judges of the Supreme Court of India ?

- (a) The Prime Minister (b) The President
- (c) The Chief Justice of India (d) The Ombudsman

27. What is the retirement age of the Judges of the Supreme Court ?

- (a) 60 years (b) 62 years
- (c) 65 years (d) 70 years

28. Which Article of the Indian Constitution provides the provision of Vidhan Parishad in the State?

- (a) Article 170 (b) Article 171
- (c) Article 172 (d) Article 173

29. What is the right method to establish or cancel the second chamber in states?

- (a) Proposal in House of People with simple majority
- (b) Proposal in Legislative Assembly with simple majority
- (c) Proposal in Legislative Assembly with full majority along with law passed by Parliament
- (d) Proposal in House of People with full majority



30. The Rajya Sabha consists of-

- (a) 280 members of which 20 members are nominated by the President of India.
- (b) 275 members of which 18 members are nominated by the President of India.
- (c) 250 members of which 12 members are nominated by the President of India.
- (d) 252 members of which 12 members are nominated by the President of India.

31. The Representation of States in Council of States is based on -

- (a) Equal for all States
- (b) Ratio of their Population
- (c) Ratio of their Area
- (d) Ratio of their Revenue

32. Consider the following statements:

1. There are 25 High Courts in India.
2. Punjab, Haryana and the Union Territory of Chandigarh have a common High Court.
3. National Capital Territory of Delhi has a High Court of its own.

Which of the statements given above is/are correct?

- (a) 2 and 3 (b) 1 and 2
- (c) 1, 2 and 3 (d) 3 only

33. Consider the following statements regarding the High Courts in India :

1. There are eighteen High Courts in the country.
2. Three of them have jurisdiction over more than one state.
3. No Union Territory has High Court of its own.
4. Judges of the High Court hold office till the age of 62.

Which of these statements is/are correct?

- (a) 1, 2 and 4 (b) 2 and 3
- (c) 1 and 4 (d) 4 only

34. The original plan in the draft Constitution for having elected Governors was dropped because

1. It would have meant another election.
2. The election would have been fought on major political issues.
3. The elected Governor might have considered himself superior to the Chief Minister.
4. The Governor had to function under the Parliamentary System.

Select the correct answer from the code given below:

Code :

- (a) 1 and 2 (b) 2 and 3
- (c) 1, 3 and 4 (d) 2, 3 and 4

35. The governor of the state, may act independently from the consultation of Legislative Assembly when -

- (1) The Government has to prove its majority in the session of Legislative Assembly.
- (2) To terminate the Chief Minister.
- (3) To reserve any bill for the consideration of President of India.
- (4) To send back a bill to Legislative Assembly for reconsideration.

(5) To seek the consultation with High Court.

Choose the correct answer from the following code:

Code :

- (a) 1,2,3 and 4 (b) 2,3,4, and 5
- (c) 1, 2,4 and 5 (d) all of these

Economics

36. Who was the pioneer of Green Revolution in India?

- (a) J.K. Mehta
- (b) R.K. Mukherji
- (c) M.S. Swaminathan
- (d) None of the above

37. With reference to which crops the Green Revolution took place in India?

- (a) Wheat, Gram & Pulses
- (b) Wheat, Gram & Maize
- (c) Wheat, Oilseeds & Pulses
- (d) Wheat & Maize

38. Improvement in profit only ratio can be done by following-

- (a) Increase in selling price (b) Change sales mix
- (c) Reduce conversion costs (d) All of the above

39. What is the full form of EPCG?

- (a) Export Promotion Consumer Goods
- (b) Exchange Programme for Consumer Goods
- (c) Export Promotion Capital Goods
- (d) Expert Programme for Credit Generation

40. Which of the following banks provides long term loans for agriculture?

- (a) State Co-operative Bank (b) Commercial Bank
- (c) Primary Credit Societies (d) Land Development Bank

41. Exim Bank of India was established in.

- (a) 1964 (b) 1976
- (c) 1980 (d) 1982

42. Trusted securities means -

- (a) shares whose government has guaranteed
- (b) shares which are listed on the stock exchange
- (c) shares that have consistently high rate of profit
- (d) None of the above

43 In which year was the first stock exchange established in India?

- (a) 1882 (b) 1887



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- (c) 1914 (d) 1942

44. Select the statement, which correctly defines the concept of debt trap.

- (a) A situation of an economy which borrows to repay its past borrowings
(b) A situation when an economy is borrowing higher than that what it is repaying its past borrowings
(C) A situation when an economy is borrowing to repay even the interest of its past borrowings
(d) A situation when the forex reserves growth rate of an economy states lagging behind the growth rate of its external borrowing

45. Which of the following is not a method of quantitative credit control?

- (a) Bank Rate
(b) Variable Fund (Variable Reserve) Ratio
(c) Open market proceedings
(d) Rationing of credit

Science

46. Which hormone is found in the gaseous form?

- (a) Abscisic acid (b) Ethylene
(c) Gibberellins (d) Auxins

47. The gas used in the artificial ripening of green fruit is :

- (a) Acetylene (b) Ethane
(c) Hydrogen (d) Carbon dioxide

48. The branch of study dealing with old age and ageing is called

- (a) Oncology (b) Gerontology
(C) Teratology (d) Ornithology

49. The study of ageing is known as

- (a) Gerontology (c) Anthropology
(b) Ethnology (d) Thanatology

50. Which of the following organelle is called Power House of the cell?

- (a) Ribosome (b) Mitochondria
(c) Cell membrane (d) Centrosome

51. The powerhouse of cell is

- (a) cell wall (b) mitochondria
(c) ribosome (d) nucleus

52. The pulse in the human wrist beats-

- (a) Faster than the heart
(b) Slower than the heart

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- (c) At the same rate as the heart
 (d) Independently of the heart

53. The total volume of blood in a normal adult human being is
 (a) 5-6 liters (b) 3-4 liters (c) 8-10 liters (d) 10-12 liters

54. With which of the physiological process thrombin is associated?
 (a) Excretion (b) Blood clotting
 (e) Reproduction (d) Growth

55. The normal temperature of the human body is -
 (a) 37°C (b) 98° C (C) 367 K (d) None of the above

Current

56. With reference to Special Purpose Acquisition Companies (SPACs), consider the following statements:
 1. It is a corporation formed for the sole purpose of raising investment capital through an Initial Public Offering (IPO)
 2. At the time of their IPOs, SPACs should have existing business operations or even stated targets for acquisition.

Which of the statements given above is/are correct ?

- (a) 1 only (b) 2 only
 (c) Both 1 and 2 (d) Neither 1 nor 2

57. Consider the following statements with reference to the Smart Cities Mission:
 1. Its key focus areas include construction of walkways, pedestrian crossings, cycling tracks, efficient wastemanagement systems and integrated traffic management.
 2. It assesses the Ease of Living Index and Municipal Performance Index to track urban development. Which of the statements given above is/are correct?
 (a) 1 only (b) 2 only
 (c) Both 1 and 2 (d) Neither 1 nor 2

58. Which of the following Sikh gurus was executed in Delhi under the orders of the Mughal Emperor Aurangzeb?
 (a) Guru Nanak (b) Guru Tegh Bahadur
 (c) Guru Govind Singh (d) Guru Arjan Dev

59. Consider the following statements:

1. 22nd April is celebrated as Earth Day every year.
 2. The theme for Earth Day 2022 is "Invest In our Planet".

Which of the above statements are correct?

- (a) 1 only (b) 2 only
 (c) Both 1 and 2 (d) Neither 1 nor 2



60. Consider the following statements regarding:

1. GO 111 was a government order issued by the erstwhile Government of Andhra Pradesh in 1996.
 2. GO 111 prohibited the development or construction works in the catchment area of the Osman Sagar reservoir, built on the tributary of Godavari River.
- Which of the statements given above is/are correct?
- (a) 1 only (b) 2 only
 (c) Both 1 and 2 (d) Neither 1 nor 2

61. Article 243 (H) of the Indian Constitution entitles the Panchayats with which of the provisions?

1. Budgetary allocation from State Revenue.
2. Share of revenue of certain taxes.
3. Collection and retention of the revenue it raises.

Select the correct answer using the code given below:

- (a) 1 and 2 only (b) 2 and 3 only
 (c) 1 only (d) 1, 2 and 3

62. Which of the following is/are correct regarding the Anti Defection Law?

1. The MP or MLA has to follow the party's direction blindly and has no freedom to vote in their judgement.
2. With the 91st amendment in the India Constitution, the anti-defection law recognized both the split as well as the merger in a legislature party.
3. The law defines a timeframe for six to twelve months for the action of the House Chairperson or Speaker in the anti-defection cases.

Select the correct answer using the code given below:

- (a) 1 and 2 only (b) 2 and 3 only
 (c) 1 only (d) 1, 2 and 3

63. Consider the following statements:

1. The entry 66 of the Union List of Indian Constituiton gives the Central Government substantial authority over higher education in India.
2. As per the UGC Regulations, 2018, it is mostly the state governments that appoint the Vice Chancellor of a state university.

Which of the statements given above is/are correct?

- (a) 1 only (b) 2 only
 (c) Both 1 and 2 (d) Neither 1 nor 2

64. With reference to Citizenship Amendment Act (CAA) 2019, consider the following statements:

1. It aims to give citizenship to migrants belonging to all minorities communities from Afghanistan, Bangladesh or Pakistan.
2. The CAA does not apply to Indian citizens.



Which of the statements given above is/are correct ?

- (a) 1 only (b) 2 only
- (c) Both 1 and 2 (d) Neither 1 nor 2

65. Consider the following statements with reference to GAGAN:

- 1. It is a Space Based Augmentation System (SBAS).
- 2. It is jointly developed by Indian Space Research Organization and National Aeronautics and Space Administration.

Which of the statements given above is/are correct?

- (a) 1 only (b) 2 only
- (c) Both 1 and 2 (d) Neither 1 nor 2

Computer

66. Vacuum tube based electronic computers are...?

- (1) Second generation (2) Hoover generation
- (3) First generation (4) All of the above

67. Which generation of computer was developed from microchips?

- (1) Third generation (2) Second generation
- (3) Fourth generation (4) All of the above

68. Which generation of computer uses more than one microprocessor?

- (1) Second generation (2) Third generation
- (3) None of these (4) fourth generation

69. Which generation of computer developed using integrated circuits?

- (1) Second generation (2) Fifth generation
- (3) Third generation (4) All of the above

70. Which of these is actually a very basic computer?

- (1) a toaster (2) a stove
- (3) a light bulb (4) a calculator

Labour law

71. The Trade Unions Act came into operation from_____.

- (A) 1st June, 1927 (C) 1st June, 1926
- (B) 1st May, 1926 (D) None of the above

72. Which act in Industrial Relations defines the term trade union?



- (A) Industrial Trade Resolution, 1962
- (B) Industrial Policy, 1991
- (C) The trade union and labour relations (consolidation) Act, 1992
- (D) The industrial Employment Act, 1946

73. The recently launched Mitra Scheme is related to which of the following?

- (a) Textile sector (b) Education sector
- (c) Electronic manufacturing (d) Renewable energy sector

74. With reference to the Asset Reconstruction Company (ARC), consider the following statements:

1. It is a specialized financial institution that buys the Non Performing Assets (NPAs) from banks and financial institutions.
 2. Ther SARFAESI Act, 2002 provides the legal basis for the setting up of ARCs in India,
 3. The ARC has been proposed to be set up with the equity contribution from the government.
- Which of the statements given above is/are correct?
- (a) 1 only (b) 3 only (c) 1 and 2 only (d) 1, 2 and 3

75. Which of the following condition can be covred under PMSBY?

- (A) Death due to suicide (B) Death due to murder
- (C) Death due to rail accident (D) None of the above

76.What is the maximum age at which a pension can enroll in PMSBY?

- (A) 70 Years (B) 80 Years
- (C) 60 Years (D) 55 Years

77. Which of the following scheme is to provide assured income support to the small and marginal farmers?

- (A) Pradhan Mantri Krishi Sahyog Yojana
- (B) Pradhan Mantri Krishi Samman Nidhi Yojana
- (C) Pradhan Mantri Krishi Sewa Yojana
- (D) Pradhan Mantri Krishi Sahyoga Yojana

78. Pradhan Mantri Kisan Mandhan (PM-KMY) is a

- (A) Pension scheme (B) Insurance scheme
- (C) Income scheme (D) None of the above

79. The beneficiary under Prad han Mantri Kisan Mandhan will get Rs. 3000/- whose land is

- (A) Less than 3 hectares (B) Less than 2 hectares
- (C) Less than 4 hectares M (D) Less than 5 hectares

80. The United India Insurance Company has its headquarter in which city?

- (A) Kolkata (B) New Delhi
- (C) Mumbai (D) Chennai

81. The life in insurance business in India was first started in which year?

- (A) 1827 (B) 1845

(C) 1818 (D) 1832

82. Selling of insurance products through banks is known as _____

- (A) Banking Insurance (B) Inclusive Banking
- (C) Third Party Banking (D) Bancassurance

83. The fixed amount of money paid by the insured of the insurance company regularly is called _____

- (A) Capital (B) Annuity
- (C) Premium (D) Value

84. Who gave the slogan of Life insurance Corporation of India (LIC)?

- (A) K Sanath Kumar (B) MM Kumar
- (C) G Srinivasan (D) Atul Sahai

85. What is the slogan of Life Insurance Corporation of India (LIC)?

- (A) Ek Shagun Zindag Ke Naam (B) Rest Assured with Us
- (C) Muskurate Raho (D) Yogakshemam Vahaamyaham

Accounts

86. Adopting of Accounting Standards are mandatory for :

- (A) Sole Traders
- (B) Partnership Firms
- (C) Companies
- (D) All of the above

87. Accounting standards in India are issued by

- (A) Neeti Ayog
- (B) Companies Act
- (C) Institute of Chartered Accountants of India
- (D) SEBI

88. IFRS are

- (A) Rule based accounting standards
- (B) Principle based accounting standards
- (C) Partially (A) and (B)
- (D) None of these

89. Accounting Standards Board was established in

- (A) 1971
- (B) 1990
- (C) 1977
- (D) 1980



90. Accounting Standard-2 is related to

- (A) Revenue recognition
- (B) Valuation of inventory
- (C) Depreciation accounting
- (D) Lease

91. Accounting Standard-9 is related to

- (A) Revenue recognition
- (B) Depreciation accounting
- (C) Accounting for fixed assets
- (D) Cash –flow statement

92. Which of the following is NOT an example of intangible assets?

- (A) Franchise rights (B) Goodwill
- (C) Patents (D) Land

93. Which of the following is an example of business liability?

- (A) Land (B) Building
- (C) Cash (D) Creditors

94. The unfavorable balance of Profit and Loss account should be

- | | |
|-----------------------------|------------------------------------|
| (A) Added to liabilities | (B) Subtracted from current assets |
| (C) Subtracted from capital | (D) Subtracted from liabilities |

95. Which of the following are the owners of a company?

- (A) Proprietors (B) Partners
- (C) Shareholders (D) Managers

96. Gross profit is ascertained by preparing

- (A) Trial Balance
- (B) Trading A/c
- (C) Profit & Loss A/c
- (D) Balance Sheet

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97. Final Account is :

- (A) Account
- (B) Ledger
- (C) Statement
- (D) Account

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98. Expenditure incurred annually on renewal of patent is a

- (A) Revenue expenditure (B) Capital expenditure
- (C) Financial expenditure (D) Operating expenditure



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740-88-3-6666**99. Which of the following account will be credited when the goods are purchased on cash?**

- (A) Stock account (B) Cash account
 (C) Supplier account (D) Work in progress account

100. Final Accounts prepared

- (A) At the end of calender year
 (B) At the end of accounting period
 (C) At the end of assessment year
 (D) On every Diwali

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English**Synonym****101. Rake most nearly means**

- a. thin b. scoundrel
 c. gentleman d. shovel

102. Dupe most nearly means

- a. rancher b. trick
 c. simpleton d. drug

103. Stigma most nearly means

- a. stain b. trial
 c. difficulty d. holiness

Antonyms**104. Sullen is most opposite to**

- a. dirty b. cheerful
 c. clean d. risen

105. Assure is most opposite to

- a. alarm b. reassure
 c. quiet d. unsure

106. Fallacious is most opposite to

- a. perfect b. truthful
 c. accidental d. disarming

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Spotting error

Directions In the following questions, some of the sentences have errors and some have none. Find out which part of a sentence has an error; mark (4) as your answer.

107. Your success in the IAS examinations depends not only on (1)/ what papers you have selected (2)/but on how you have written them. (3) No error. (4)

108. Heavy rain (1)/prevented us (2)/ to go to the cinema. (3)/No error. (4)

109. If majority of the individuals in a State (1)/ prosper (2)/ the State itself would prosper. (3)/ No error.(4)

ONE WORD SUBSTITUTIONS

110. One who is not sure about God's Existence

- A. Agnostic B. Agnosti
- C. Agostic D. gnostic

111. A lover of mankind

- A. Altruist B. Altrist
- C. Altruis D. Alruist

FILL IN THE BLANKS

112. The big stone monument was the only..... the lost traveller remembered.

- (a) specimen (b) souvenir
- (c) piece (d) landmark

113.The airline was unable to give us a reason for the..... departure delay.

- (a) indivisible (b) invincible
- (c) invisible (d) inexplicable

114. Moving to the city was eye..... straitlaced country girl.

- (a) clearing (b) freeing
- (c) saving (d) opening

115. With a blood test, a physician was able to.....the woman s pregnancy.

- (a) term (b) confirm
- (c) firm (d) confer

116 . Good reading..... the sense of liberal educated mind.

- (a) beliefs (b) leads
- (C) reflects (d) starts



117. The.....my husband and I had was so loud it woke our children.

- (a) quarrel (b) coral
- (c) morall (d) laurel

118. Everyone was pleased to learn the actor wouldhis role as the captivating pirate.

- (a) reprise (b) rescue
- (c) save (d) free Idiom phrases

119. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Herculean task

- (a) Important task (b) Motivating
- (c) Optional to do (d) Very difficult task

120. In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

On tenterhooks

- | | |
|-------------------------|------------------------------|
| (a) Flattery | (b) in a disorganized manner |
| (c) In anxious suspense | (d) Speak quickly |



ANSWERS SHEET

MATHS

1. ANS-C

(c) Required answer (अभीष्ट उत्तर)

$$= \frac{40}{(100-40)} \times 100 = \frac{40}{60} \times 100$$

$$= 66.66\%$$



OfficerS adda

2. ANS-B

Initial salary final salary

$$\begin{array}{r} 5 \\ -1 \\ \hline 6 \end{array}$$

$$20\% = \frac{1}{5}$$

$$\text{Required \%} = \frac{1}{6} \times 100$$

$$= 16\frac{2}{3}\%$$

3. ANS-A

(a) Downstream speed, D (धारा की

$$\text{दिशा में चाल}) = \frac{20 \text{ km}}{2 \text{ hrs}} = 10 \text{ km/h}$$

Upstream speed, U (धारा के प्रतिकूल

$$\text{चाल}) = \frac{20 \text{ km}}{5 \text{ hr.}} = 4 \text{ km/h}$$

Speed of boat in still water (शान्त

$$\text{जल में नाव की चाल}) = \frac{D + U}{2}$$

$$\Rightarrow \frac{10 + 4}{2} = 7 \text{ km/hr}$$

4. ANS-A

The speed of the boat in Still water. X

Let the speed of currnt is Y Km/hr Upstream speed U = $\frac{45}{6}$ Km/h



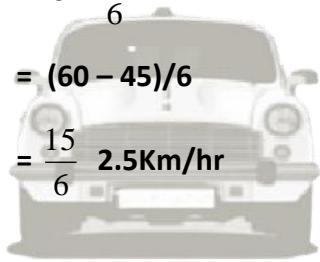
$$x - y = \frac{45}{6}$$

$$10 - y = \frac{45}{6}$$

$$y = 10 - \frac{45}{6}$$

$$= (60 - 45)/6$$

$$= \frac{15}{6} \text{ 2.5Km/hr}$$



THE OfficerS adda

5. Ans : C

$$L_t = L_p = I$$

$$S = 90 \text{ Km/hr} = \frac{90 \times 1000}{60} \text{ m/min}$$

$$= 1500 \text{ m/min}$$

$$L = L_t = L_p = \frac{1500}{2} = 750 \text{ m}$$

6. Ans :B

$$(b) V_{\text{rel.}} = 63 - 3 = 60 \text{ km/hr.}$$

$$T = \frac{500 \times 18}{60 \times 5} \text{ sec.} = 30 \text{ sec}$$

$$\therefore \text{Required time} = 30 \text{ sec}$$

7. Ans-C

Let the number be 'x'

(माना कि संख्या :x है)

$$\therefore x = \frac{3}{5}$$

$$B = \frac{3}{5} \times 9 = \frac{27}{5} = 5\frac{2}{5} \text{ litres}$$

10. ANS-C

(c)	Big	:	Medium	:	Smaller	
	Rate(Rs.)	15	:	10	:	5
	Quantity (kg.)	3	:	2	:	5
	Total Cost (Rs.)	<u>45</u>	+	<u>20</u>	+	<u>25</u>

$$\begin{aligned} \text{Total cost (कुल लागत)} &= 45 + 20 + 25 \\ &= \text{Rs. } 90 \end{aligned}$$

Total quantity(कुल मात्रा)

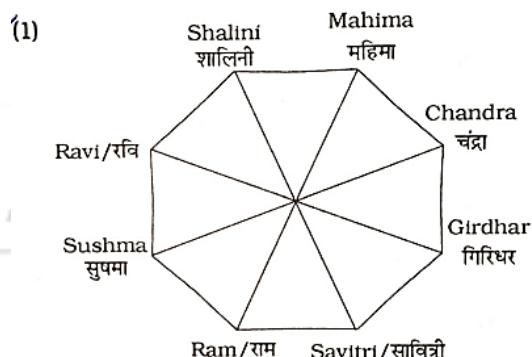
$$= 3 + 2 + 5 = 10$$

∴ Average cost (औसत लागत)

$$= \frac{90}{10} = \text{Rs. } 9$$

Reasoning

11. Ans .1



Ravi is to the right of Shalini / शालिनी के दाएँ रवि है।

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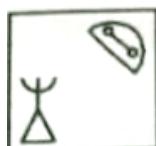
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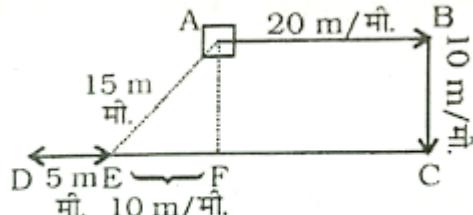
12. Ans -1



13. ANS- 1



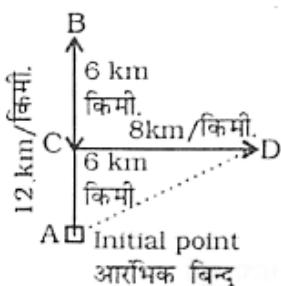
(1)



$$EF + AF = 10 + 10 = 20 \text{ m / मी.}$$

14. ANS- 3

(3)



$$\begin{aligned} AD &= \sqrt{(CD)^2 + (AC)^2} = \sqrt{(8)^2 + (6)^2} \\ &= \sqrt{64 + 36} = \sqrt{100} = 10 \text{ km / किमी.} \end{aligned}$$

15. Ans -4

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G. S-history

16. Ans.(a)

The Portuguese Governor Albuquerque captured Goa from Bijapur in 1510 A.D., not in 1499. Hence, option (a) is the correct answer

17. Ans. (b)

The first to start a joint stock company to trade with India were the Dutch. In early 17th century, Holland was not very powerful, so the organization of micro companies and the federal concept of Neatherland (Holland) reflected clearly. A joint Dutch East India Company was set up by a resolution of Dutch Parliament in 1602. Its initial capital was 6,500000 guilder. This company was authorized by Parliament for 21 years to trade with India and other eastern countries for colonial expansion. The Eastern headquarter of Dutch Company was located in Batavia (Jakarta). Administration and governance of eastern Dutch empire was conducted by the joint company. Its partners were in the form of private groups.

18. Ans.(c)

The educated middle class did not participate in the revolt of 1857, which was one of the major reasons for the failure of 1857 mutiny. Educated Indian wanted to change India as a progressive state and the fact embedded in their mind that Britishers would make this progress possible. But later on, they came to know about the cruel strategy of the British behind this.

19. Ans. (c)

Lieutenant General Sir John Bennet Hearsey was commanding officer during the revolt of 1857 in Barrackpore.

20. Ans.(c)

Third Anglo-Mysore War (1790-92) ended with the Treaty of Srirangapatnam (1792). It was signed by Tipu Sultan and Cornwallis. According to the treaty, Half of the territories of Tipu were snatched away from him and divided among Marathas, British, and Nizam. Tipu had to pay Rs. 3.30 crore as war indemnity to British as his two sons were kept hostage.

21.Ans. (c)

Begum Samru constructed the most eminent Church at Sardhana near Meerut. European Walter Joseph Reinhardt Silbertal was the husband of Begum Samru who offered military service to many states. Begum Samru became empress of Sardhana after the death of her husband.



22. Ans. (d)

The Gackwad of Baroda supported by the British Government compelled the Waghera Chief to take up arms. The Wagheras attacked British territory during 1818-1819. A peace treaty concluded the revolt in November 1820.

23. Ans.(a)

Santhal Pargana region was called 'Narikhanda' in ancient times. According to Buddhist literature, this region was also called as 'Kajangala'. During Mahabharat period Santhal Pargana region was a part of Anga Mahajanapada.

24. Ans.(c)

Lord Wellesley moved to India in 1797, which was the darkest period of British. The front made of European powers against France had been disbanded. Napoleon had conquered Egypt and Syria and was seriously thinking about attacking India. In that condition, Lord Wellesley used a subsidiary alliance in India, which helped to establish the sovereignty of the British and the fear of Napoleon was averted.

25.Ans. (b)

Third Anglo-Mysore War (1790-1792) is associated with Lord Cornwallis. Cornwallis himself took charge of the army in this war. Tipu Sultan had made the treaty of Srirangapatna (1792) in this war under which he had to give almost half of his state to British.

Polity

26.Ans. (b)

According to Article 124 (2) (a) of the Indian Constitution, a Judge may, by writing under his hand addressed to the President, resign his office. Every Judge of the Supreme Court shall be appointed by the President by warrant under his hand and seal and shall hold office until he attains the age of sixty-five years.

27. Ans.(c)

According to Article 124 (2) (a) of the Indian Constitution, a Judge may, by writing under his hand addressed to the President, resign his office. Every Judge of the Supreme Court shall be appointed by the President by warrant under his hand and seal and shall hold office until he attains the age of sixty-five years.

28. Ans. (b)

Option (b) is correct as the provisions relating to the composition of Legislative Council is given under Article 171, while the creation and abolition of Legislative Council are given under Article 169 to the Constitution.

29. Ans.(c)

According to Article 169(1), the Parliament may by law provide for the abolition of the Legislative Council of a State having such a Council or for the creation of such a Council in a State having no such Council, if the Legislative Assembly of the State passes a resolution to that effect by a majority of the total membership of the Assembly and by a majority of not less than two-thirds of the members of the Assembly present and voting.

30.Ans.(c)

Article 80 of the Constitution is about the composition of the Council of States. It states that there shall not be more than 238 representatives of the States and the Union Territories. The Council of the States shall consist of 12 members nominated by the President.

31. Ans. (b)

The representation of States in Council of States is based on the ratio of State's population. Number of seats or representatives of a State in Rajya Sabha has been determined by the Fourth Schedule of the Constitution.

32. Ans.(c)

Presently there are 25 High Courts in the country. High Courts are instituted as Constitutional Courts under Part VI, Chapter V, Article 214 of the Indian Constitution. Union Territory of Delhi and Jammu & Kashmir have their own High Court. It is the only Union Territory to have a separate High Court. While Punjab, Haryana and the Union Territory of Chandigarh have a common High Court.

33. Ans. (d)

The total number of High Courts are 25 in India. Among these, 7 have the jurisdiction over more than one States/ Union Territories. Union Territory of Delhi and Jammu and Kashmir have its own High Court. Thus option (d) is correct.

34. Ans.(c)

There was much debate in the Constituent Assembly regarding the subject of appointment or election of Governor in the States. Krishnamachari, B.G. Kher, J. B. Pant were in favour of

election, while B. R. Ambedkar, Jawaharlal Nehru were in favour of nominated Governor. Finally with general consensus, the provision of nominated Governor was accepted and the original proposal for the provision of elected Governor was cancelled as- (1) this would have increased election expenditure. (2) Nomination of governor would help avoiding clash of political ambition of the Chief Minister and the Governor as the election would have been fought on major issues, they would have pursued different policies. (3) The Centre would not have effective control over the State otherwise.

35. Ans.(a)

Governor of a state can act according to his discretion in following situations

- (i) To ask the Government to prove majority in the State Legislative Assembly.
- (ii) To terminate a Chief Minister who has lost confidence of the Assembly.
- (iii) To provide or withhold assent to a Bill or reserve a Bill for the consideration of the President. (Art. 200)
- (iv) To return a Bill to the Legislative Assembly for reconsideration (Provision of article 200) Besides, the Governor uses his discretion while imposing President's rule in the State and dissolving the State Legislature. The Governor however has not been authorized to consult the High court. Therefore option (a) is correct.

Economics

36.Ans.(c)

Mankombu Sambasivan Swaminathan was an Indian geneticist and administrator, known for his role in India's Green Revolution, a program under which highyield varieties of wheat and rice were planted.

37. Ans. (d)

The Green Revolution in India was the rapid increase in production as a result of high yielding seeds and a multi – cropping program adopted in the new agricultural policy in 1966 – 67 . Under this 5 crops were taken - wheat, rice, sorghum, millet and maize etc. It had the highest impact on wheat and to some extent on paddy. It was limited to Punjab, Haryana, Western Uttar Pradesh and Ganganagar.

38. Ans. (d):

Profit Volume Ratio: It measures the rate of change in profit due to change in sales volume. It is one of the important ratios for calculating profitability as it indicates the contribution earned in relation to sales. To improve profit volume, it has included to reduce the variable ratio, sell the products by increasing the selling prices as well as change the sales mix as per

45. Ans : (d)

The method of quantitative credit control includes changes in the bank rate, open market operation, changes in the cash reserve ratio and statutory liquidity ratios. While qualitative credit control comes under selective credit control and rationing of credit. It is noteworthy that the Reserve Bank uses two types of instruments for credit control and regulation - (1) quantitative credit control, (2) qualitative credit control, in fact, in the rationing of credit when the central bank fully meets the demand of other banks. If it does not, then its rationing means that it will determine how much credit will be given to each bank.

Science

46. Ans. (b)

THE OfficerS adda

Ethylene is a phytohormone (plant hormone) which is found in gaseous form.

47. Ans.(a)

Under prevention of food adulteration rule, 1955 (Clause 44AA) acetylene gas can not be used in the ripening of fruits. Calcium carbide is used in some countries as a source of acetylene gas, which is an artificial ripening agent. However, acetylene is not nearly as effective as ethylene and is not a natural plant hormone like ethylene. Also, calcium carbide may contain traces of arsenic and phosphorus, both highly toxic to humans and the use of this chemical for ripening is illegal in most countries. Ethylene has been found not harmful or toxic to humans in the concentrations found in ripening rooms.

48. Ans. (b)

Gerontology is the study of the social, psychological, cognitive and biological aspects of ageing. Oncology is the branch of medical science that deals in treating people suffering from cancer. Teratology is the study of abnormalities of physiological development. Ornithology is a branch of zoology that is related to the study of birds.

49.Ans A

Gerontology is the study of the social, psychological, cognitive and biological aspects of ageing. Oncology is the branch of medical science that deals in treating people suffering from cancer. Teratology is the study of abnormalities of physiological development. Ornithology is a branch of zoology that is related to the study of birds.

50. ANS-b

Animal cells and plant cells both contain cell membrane, cytoplasm, and nucleus. The nucleus has two major functions. It stores the cell's hereditary material or DNA and it co-ordinates the cell's activities within cells. The mitochondrion (plural mitochondria) is a membrane-bound organelle found in most eukaryotic cells. Mitochondria range from 0.5 to 1.0 u in diameter. These structures are sometimes described as 'the powerhouse of the cell' as



English

Synonym

101. b. a rake is a dissolute person, or a scoundrel.
102. b. to dupe means to deceive or to trick.
103. a. stigma means a mark of shame or discredit, or a stain. Antonym
104. b. sullen means showing a disagreeable mood, or lacking cheer, therefore cheerful is the opposite.
105. a. to assure means to make sure by removing doubt or worry; alarm means to give warning or to arouse fear.
106. b. fallacious means tending to deceive; truthful means disposed to tell the truth. Spotting error 107. (3)
108. (3)
109. (3)

ONE WORD SUBSTITUTIONS

110. Agnostic

111. Altruist

FILL IN THE BLANKS

112. (d) landmark

113. (d) inexplicable

114. (d) opening

115. (b) confirm

116. (c) reflects

117. (a) quarrel

118. (a) reprise

Idiom phrases

119. D

120. C



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Part - A

- History
- Geography
- Polity
- Science
- Economy
- Current Affairs

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Part - B

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- Reasoning
- English
- Computer

➤ Approx. Que
40

✓ Your Target 30-35

Part - C

- Accounts
- Labour Laws

➤ Approx. Que
30-40

✓ Your Target 25-30

✓ Attempt 100+ Question = Selection sure

Part A General Studies Strategy

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✓ Your Target 35-45

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Math/Reasoning(15Q)

English(20Q)

Computer(5Q)

- Speed and time
- Profit and loss
- Venn Diagram
- Number system
- volume & surface(cube, cuboid etc)
- Percentage
- Sitting arrangement
- Average
- Reasoning (mirror, blood relation, direction)
- Also cover many additional topics
- Back year questions

- Syn/Ant
- Spotting error
- One word
- Fill in the blanks
- Idioms and Phrase
- Passage, direct indirect, active passive
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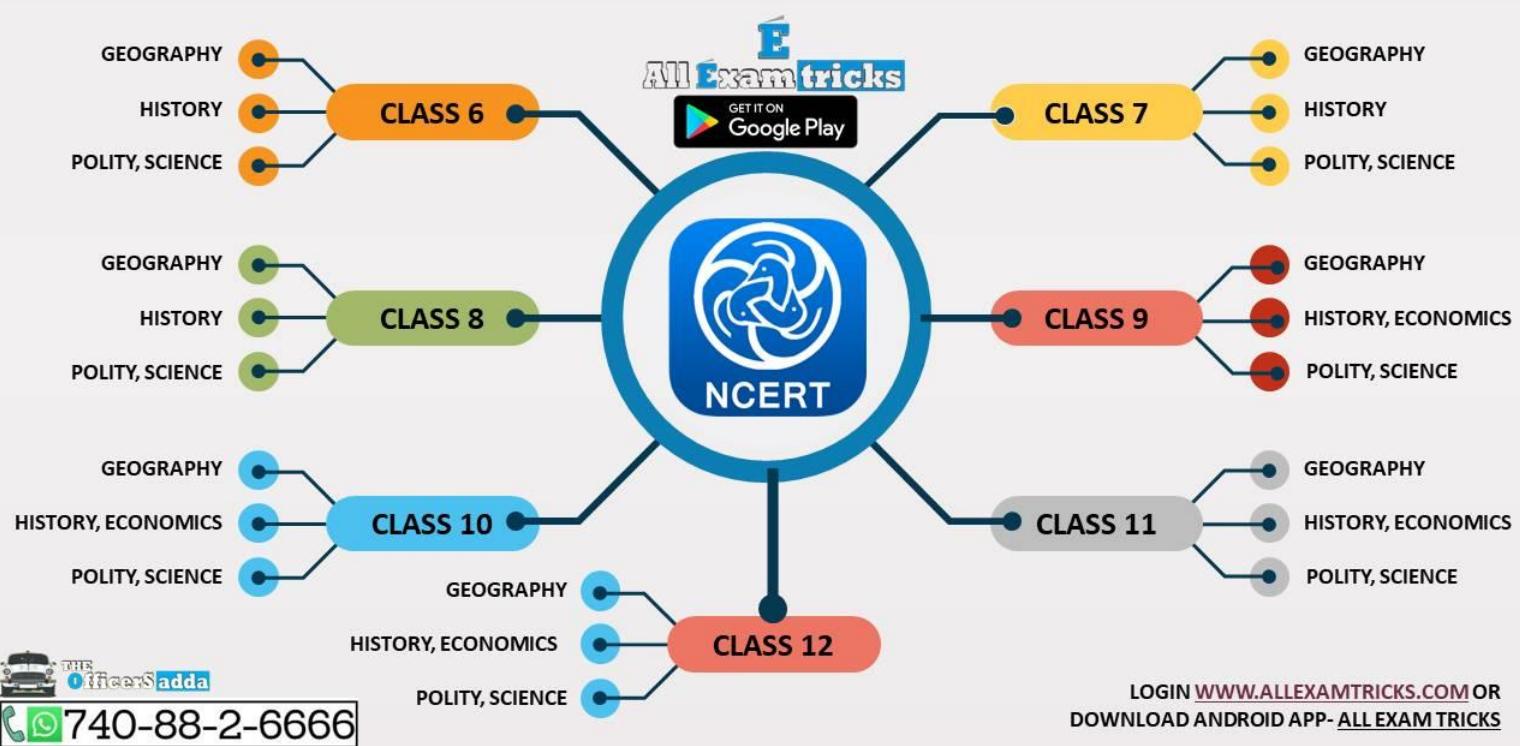
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