

EKADYU

NDA/CDS Practice Workbook / NDA-CDS अभ्यास वर्कबुक

Officer-entry diagnostic practice before full official UPSC PYQ papers.

Use this for	NDA and CDS first diagnostic before official UPSC papers
Question count	60 original bilingual MCQs with answer key
Student rule	Use official UPSC PYQs separately for full exam-length practice

Hindi-English bilingual practice workbook. Each question is bilingual and no subject label is printed before the question number.

हिंदी-English bilingual practice workbook. हर प्रश्न bilingual है और question number से पहले subject label नहीं दिया गया है।

Section A: NDA Mathematics / खंड A: NDA गणित

1. If $x + 1/x = 5$, then $x^2 + 1/x^2$ equals ____.

यदि $x + 1/x = 5$, तो $x^2 + 1/x^2$ कितना होगा?

- A. 21
- B. 23
- C. 25
- D. 27

2. 15 percent of 240 is ____.

240 का 15 percent कितना है?

- A. 24
- B. 30
- C. 36
- D. 42

3. Three-fourths of 120 is ____.

120 का three-fourths कितना है?

- A. 80
- B. 90
- C. 96
- D. 100

4. The HCF of 24 and 36 is ____.

24 और 36 का HCF कितना है?

- A. 6
- B. 8
- C. 12
- D. 18

5. Area of a triangle with base 12 cm and height 9 cm is ____.

12 cm base और 9 cm height वाले triangle का area कितना है?

- A. 54 sq cm
- B. 64 sq cm
- C. 72 sq cm
- D. 108 sq cm

6. The identity $\sin^2 \theta + \cos^2 \theta$ equals ____.

Identity $\sin^2 \theta + \cos^2 \theta$ का value क्या है?

- A. 0
- B. 1
- C. $\tan \theta$
- D. $\sec \theta$

7. Average of 12, 18, 20 and 30 is ____.

12, 18, 20 और 30 का average कितना है?

- A. 18
- B. 19
- C. 20
- D. 22

8. The 10th term of AP 5, 8, 11, ... is ____.

AP 5, 8, 11, ... का 10th term क्या है?

- A. 29
- B. 30
- C. 31
- D. 32

9. The determinant of matrix with rows 2,3 and 1,4 is ____.

Rows 2,3 और 1,4 वाली matrix का determinant कितना है?

- A. 3
- B. 5
- C. 8
- D. 11

10. The slope of $y = 2x + 1$ is ____.

$y = 2x + 1$ की slope कितनी है?

- A. 1
- B. $1/2$
- C. 2
- D. -2

11. The derivative of x^2 is ____.

x^2 का derivative क्या है?

- A. $2x$
- B. x
- C. $x^3/3$
- D. $1/x$

12. The integral of $2x dx$ is ____.

$2x dx$ का integral क्या है?

- A. $2x + C$
- B. $x^2 + C$
- C. $x^2/2 + C$
- D. $\ln x + C$

13. Probability of getting an even number on one fair die is ____.

एक fair die पर even number आने की probability कितनी है?

- A. $1/6$
- B. $1/3$
- C. $1/2$
- D. $2/3$

14. log base 10 of 100 equals ____.

100 का log base 10 कितना है?

- A. 1
- B. 2
- C. 10
- D. 100

15. The value of $7!$ divided by $5!$ is ____.

$7!$ को $5!$ से divide करने पर value क्या है?

- A. 12
- B. 24
- C. 42
- D. 56

16. A line parallel to x-axis has slope ____.

x-axis के parallel line की slope कितनी होती है?

- A. 0
- B. 1
- C. undefined
- D. -1

17. The sum of angles of a triangle is ____.

Triangle के angles का sum कितना होता है?

- A. 90 degrees
- B. 180 degrees
- C. 270 degrees
- D. 360 degrees

18. The median of 3, 7, 9, 12, 15 is ____.

3, 7, 9, 12, 15 का median कितना है?

- A. 7
- B. 9
- C. 12
- D. 15

19. If the radius of a circle is doubled, its area becomes ____.

यदि circle का radius double हो जाए, area कितना हो जाएगा?

- A. Double / दोगुना
- B. Triple / तीन गुना
- C. Four times / चार गुना
- D. Half / आधा

20. The solution of $2x - 5 = 15$ is ____.

$2x - 5 = 15$ का solution क्या है?

- A. 5
- B. 10
- C. 15
- D. 20

Section B: NDA General Ability / खंड B: NDA General Ability

21. The Battle of Panipat fought in 1526 established the ____.

1526 की Panipat battle ने किसकी स्थापना की?

- A. Mughal Empire / मुगल साम्राज्य
- B. Maurya Empire / मौर्य साम्राज्य
- C. Gupta Empire / गुप्त साम्राज्य
- D. Maratha Empire / मराठा साम्राज्य

22. The SI unit of electric resistance is ____.

Electric resistance की SI unit क्या है?

- A. Ohm / ओम
- B. Volt / वोल्ट
- C. Ampere / एम्पियर
- D. Watt / वाट

23. The Tropic of Cancer passes through India at about ____.

Tropic of Cancer भारत से लगभग किस latitude पर गुजरती है?

- A. 23.5 degree N
- B. 23.5 degree S
- C. 66.5 degree N
- D. 0 degree

24. Choose the correctly spelt word.

सही spelling वाला word चुनिए।

- A. Government
- B. Goverment
- C. Govarnment
- D. Goverenmant

25. The Headquarters of the Indian Army is in ____.

Indian Army का headquarters कहाँ है?

- A. New Delhi / नई दिल्ली
- B. Mumbai / मुंबई
- C. Kolkata / कोलकाता
- D. Jaipur / जयपुर

26. Who wrote the national song Vande Mataram?

National song Vande Mataram किसने लिखा?

- A. Bankim Chandra Chatterjee / बंकिम चंद्र चट्टोपाध्याय
- B. Rabindranath Tagore / रवींद्रनाथ टैगोर
- C. Sarojini Naidu / सरोजिनी नायडू
- D. Subhas Chandra Bose / सुभाष चंद्र बोस

27. Which gas is used by plants in photosynthesis?

Photosynthesis में plants कौन सी gas use करते हैं?

- A. Carbon dioxide / कार्बन डाइऑक्साइड
- B. Oxygen / ऑक्सीजन
- C. Nitrogen / नाइट्रोजन
- D. Helium / हीलियम

28. The largest ocean is the ____.

सबसे बड़ा ocean कौन सा है?

- A. Pacific Ocean / प्रशांत महासागर
- B. Indian Ocean / हिंद महासागर
- C. Atlantic Ocean / अटलांटिक महासागर
- D. Arctic Ocean / आर्कटिक महासागर

29. Choose the antonym of ancient.

ancient का antonym चुनिए

- A. Old / पुराना
- B. Modern / आधुनिक
- C. Past / भूतकाल
- D. Historic / ऐतिहासिक

30. The process of water changing into vapour is called ____.

Water के vapour में बदलने की process क्या कहलाती है?

- A. Evaporation / वाष्पीकरण
- B. Condensation / संघनन
- C. Freezing / जमना
- D. Melting / पिघलना

31. The Indian Air Force Day is observed on ____.

Indian Air Force Day कब मनाया जाता है?

- A. 8 October / 8 अक्टूबर
- B. 15 January / 15 जनवरी
- C. 4 December / 4 दिसंबर
- D. 26 January / 26 जनवरी

32. The main source of energy for Earth is ____.

Earth के लिए मुख्य energy source क्या है?

- A. Sun / सूर्य
- B. Moon / चंद्रमा
- C. Coal only / केवल कोयला
- D. Wind only / केवल हवा

33. Choose the synonym of assist.

assist का synonym चुनिए

- A. Help / मदद करना
- B. Harm / नुकसान
- C. Hide / छिपाना
- D. Delay / देरी करना

34. The Red Fort is located in ____.

Red Fort कहां स्थित है?

- A. Delhi / दिल्ली
- B. Agra / आगरा
- C. Jaipur / जयपुर
- D. Lucknow / लखनऊ

35. Which blood cells help fight infection?

Infection से लड़ने में कौन सी blood cells मदद करती हैं?

- A. White blood cells / श्वेत रक्त कोशिकाएं
- B. Red blood cells / लाल रक्त कोशिकाएं
- C. Platelets only / केवल platelets
- D. Plasma only / केवल plasma

Section C: CDS English / खंड C: CDS English

36. Choose the correct preposition: He is good ____ mathematics.

सही preposition चुनिए: He is good ____ mathematics.

- A. in
- B. at
- C. on
- D. by

37. Choose the synonym of concise.

concise का synonym चुनिए

- A. Brief / संक्षिप्त
- B. Long / लंबा
- C. Confused / भ्रमित
- D. Weak / कमजोर

38. Choose the antonym of generous.

generous का antonym चुनिए

- A. Kind / दयालु
- B. Selfish / स्वार्थी
- C. Helpful / मददगार
- D. Liberal / उदार

39. Choose the correct sentence.

सही sentence चुनिए

- A. Neither of the answers is correct.
- B. Neither of the answers are correct.
- C. Neither answers is correct.
- D. Neither answer are correct.

40. Fill in the blank: The officer insisted ____ discipline.

रिक्त स्थान भरिए: The officer insisted ____ discipline.

- A. on
- B. at
- C. by
- D. from

41. Choose the one-word substitute: One who cannot be defeated.

One-word substitute चुनिए: जिसे हराया न जा सके

- A. Invincible / अजेय
- B. Invisible / अदृश्य
- C. Illegal / अवैध
- D. Incomplete / अपूर्ण

42. Choose the correct passive voice: They completed the task.

Passive voice चुनिए: They completed the task.

- A. The task was completed by them.
- B. The task completed them.
- C. They were completed by task.
- D. The task is completing them.

43. Choose the meaning of in a nutshell.

in a nutshell का meaning चुनिए

- A. Briefly / संक्षेप में
- B. Angrily / गुस्से में
- C. Secretly / गुप्त रूप से
- D. Carelessly / लापरवाही से

44. Choose the correctly spelt word.

सही spelling चुनिए

- A. Accomodate
- B. Acommodate
- C. Accommodate
- D. Acomodate

45. Choose the correct form: If I were you, I ___ revise daily.

सही form चुनिए: If I were you, I ___ revise daily.

- A. will
- B. would
- C. shall
- D. am

Section D: CDS General Knowledge / खंड D: CDS सामान्य ज्ञान

46. The Supreme Court of India is located in ____.

Supreme Court of India कहाँ स्थित है?

- A. New Delhi / नई दिल्ली
- B. Mumbai / मुंबई
- C. Kolkata / कोलकाता
- D. Chennai / चेन्नई

47. The Finance Commission is mentioned in which Article?

Finance Commission किस Article में mentioned है?

- A. Article 280
- B. Article 356
- C. Article 32
- D. Article 21

48. The Harappan civilisation is also known as ____.

Harappan civilisation को और क्या कहा जाता है?

- A. Indus Valley Civilisation / सिंधु घाटी सभ्यता
- B. Vedic Civilisation / वैदिक सभ्यता
- C. Gupta Age / गुप्त काल
- D. Mughal Age / मुगल काल

49. The pH value of a neutral solution is ____.

Neutral solution का pH value कितना होता है?

- A. 0
- B. 7
- C. 10
- D. 14

50. The Himalayan range was formed mainly due to ____.

Himalayan range मुख्य रूप से किसके कारण बनी?

- A. Plate collision / plate collision
- B. Volcanic ash only / केवल volcanic ash
- C. River erosion only / केवल river erosion
- D. Wind deposition / wind deposition

51. The term GDP stands for ____.

GDP की full form क्या है?

- A. Gross Domestic Product
- B. General Defence Plan
- C. Global Data Point
- D. Gross Duty Payment

52. Which vitamin deficiency causes scurvy?

किस vitamin की deficiency से scurvy होता है?

- A. Vitamin A
- B. Vitamin B12
- C. Vitamin C
- D. Vitamin D

53. The Rajya Sabha is a permanent house because ____.

Rajya Sabha permanent house क्यों है?

- A. It is not dissolved / यह dissolve नहीं होती
- B. It has no members / इसमें member नहीं होते
- C. It meets only once / यह केवल एक बार मिलती है
- D. It is a court / यह court है

54. The Green Revolution in India is mainly associated with ____.

India में Green Revolution मुख्य रूप से किससे जुड़ी है?

- A. Food grains / अनाज
- B. Software / software
- C. Space travel / space travel
- D. Textiles only / केवल textiles

55. The Chief of Defence Staff post relates to ____.

Chief of Defence Staff post किससे related है?

- A. Military coordination / military coordination
- B. School education / school education
- C. Banking regulation / banking regulation
- D. Railway tickets / railway tickets

Section E: CDS Elementary Mathematics / खंड E: CDS Elementary Mathematics

56. The value of 40 percent of 250 is ____.

250 का 40 percent कितना है?

- A. 80
- B. 90
- C. 100
- D. 120

57. If $a:b = 2:3$ and $b:c = 4:5$, then $a:c$ is ____.

यदि $a:b = 2:3$ और $b:c = 4:5$, तो $a:c$ क्या होगा?

- A. 8:15
- B. 3:5
- C. 2:5
- D. 5:8

58. A sum doubles in 8 years at simple interest. Rate is ____.

Simple interest पर कोई राशि 8 years में double होती है rate कितना है?

- A. 8 percent
- B. 10 percent
- C. 12.5 percent
- D. 15 percent

59. The volume of a cube with side 4 cm is ____.

4 cm side वाले cube का volume कितना है?

- A. 16 cubic cm
- B. 32 cubic cm
- C. 48 cubic cm
- D. 64 cubic cm

60. The smallest number divisible by 6, 8 and 12 is ____.

6, 8 और 12 से divisible smallest number कौन सा है?

- A. 12
- B. 18
- C. 24
- D. 48

Answer Key / उत्तर कुंजी

1. B	2. C	3. B	4. C	5. A	6. B	7. C	8. D	9. B	10. C
11. A	12. B	13. C	14. B	15. C	16. A	17. B	18. B	19. C	20. B
21. A	22. A	23. A	24. A	25. A	26. A	27. A	28. A	29. B	30. A
31. A	32. A	33. A	34. A	35. A	36. B	37. A	38. B	39. A	40. A
41. A	42. A	43. A	44. C	45. B	46. A	47. A	48. A	49. B	50. A
51. A	52. C	53. A	54. A	55. A	56. C	57. A	58. C	59. D	60. C

Review every wrong answer with the latest official syllabus or notification before moving to the next test.

हर गलत उत्तर को latest official syllabus या notification के साथ revise करें, फिर अगले test पर जाएं।