

NDA bytes

50 important questions



Defence Career & Guidance Academy

Your all in one solution for Indian Army

www.dcgaco.in

Kota (Raj.)

[Note : This is a promotional Ebook.](#)

[Get your full Ebook instantly by liking us on FB right now !](#)

[Get full NDA Ebook instantly with 250+ questions with Solutions by liking our FB page now !](#)

www.dcgaco.in

Defence Career & Guidance Academy

Campus 1 : DCGA,Haat Road,Kota(Raj.) | Campus 2: DCGA,GGV,Punam Colony,Kota(Raj.)

Synonyms

Directions: Each of the question below consists of a word printed boldly, followed by four words or phrases numbered (a) to (d). Choose the numbered word or phrase which is most nearly similar in meaning to the word printed boldly.

1. HIRSUTE

- a) damp
- b) bearded
- c) humorous
- d) formerly

2. PANACE

- a) pancake
- b) praise
- c) inactivity
- d) cure-all

3. CELIBATE

- a) single
- b) double
- c) married
- d) bald

4. CHASTEN

- a) discipline
- b) pursue
- c) sanctify
- d) stop

5. MERETRICIOUS

- a) conspicuous
- b) blonde
- c) tawdry
- d) angry

6. REQUIEM

- a) recess
- b) assignment
- c) profanity
- d) dirge

7. EFFIGY

- a) proxy

Get full NDA Ebook instantly with 250+ questions with Solutions by liking our FB page now !

www.dcgga.co.in

Defence Career & Guidance Academy

Campus 1 : DCGA,Haat Road,Kota(Raj.) | Campus 2: DCGA,GGV,Punam Colony,Kota(Raj.)

- b) profundity
- c) boldness
- d) dummy

8. BLISSFULLY

- a) maudlin
- b) dour
- c) beatific
- d) moot

9. HOMOGENEOUS

- a) heterogeneous
- b) motley
- c) scrambled
- d) similar

10. RESURRECTION

- a) death
- b) life-less
- c) abandoned
- d) comeback

Get full NDA Ebook instantly with 250+ questions with Solutions by liking our FB page now !

www.dcgga.co.in

Defence Career & Guidance Academy

Campus 1 : DCGA,Haat Road,Kota(Raj.) | Campus 2: DCGA,GGV,Punam Colony,Kota(Raj.)

Antonyms

Q1. Find suitable Antonym for the word underlined in the question from the given four options. If more than one option seems suitable mark the most appropriate one.

1. The officer asked the clerk to expedite the matter.

- (a) postpone
- (b) defer
- (c) adjourn
- (d) delay

2. It was done in a haphazard manner.

- (a) planned
- (b) excellent
- (c) disappointment
- (d) despair

3. The result of the tournament gave them a sense of elation.

- (a) despondency
- (b) misery
- (c) disappointment
- (d) despair

4. The members thought that the task was feasible.

- (a) impractical
- (b) impossible
- (c) difficult
- (d) impracticable

5. You can hardly find any trace of humility in the man.

- (a) pride
- (b) insolence
- (c) arrogance
- (d) conceit

6. He is the most prudent person I have ever come across.

- (a) short sighted
- (b) reckless
- (c) inconsiderate
- (d) injudicious

7. The atmosphere in the institute he had newly joined was congenial to research.

Get full NDA Ebook instantly with 250+ questions with Solutions by liking our FB page now !

www.dcgga.co.in

Defence Career & Guidance Academy

Campus 1 : DCGA,Haat Road,Kota(Raj.) | Campus 2: DCGA,GGV,Punam Colony,Kota(Raj.)

- (a) disagreeable for
- (b) inconvenient for
- (c) unpleasant for
- (d) unsuitable for

8. I was surprised at his stiff attitude.

- (a) courteous
- (b) flexible
- (c) soft
- (d) lively

9. Because of the economy drive, they very unwillingly surrendered some superfluous posts.

- (a) important
- (b) relevant
- (c) significant
- (d) essential

10. I abhor the ideas he sometimes expresses.

- (a) admire
- (b) respect
- (c) applaud
- (d) appreciate

Defence Career & Guidance Academy

Campus 1 : DCGA,Haat Road,Kota(Raj.) | Campus 2: DCGA,GGV,Punam Colony,Kota(Raj.)

Fill in the Blanks

1.from the campaigns have been used to buy medical supplies, food and educational materials.
(a) Revenue
(b) Profit
(c) Proceed
(d) Proceeds
 2. When I joined the flying club, my instructor gave me the first lecture on the of flying.
(a) foundations
(b) basics
(c) need
(d) theory
 3. You must your house in order before you venture to offer advice to others.
(a) arrange
(b) bring
(c) set
(d) organise
 4. Fact is often stranger than
(a) fancy
(b) fiction
(c) imagination
(d) dream
 5. It is becoming increasing difficult for a housewife to pick up a genuine article from the crowd of the ones in a store.
(a) fake
(b) duplicate
(c) counterfeit
(d) spurious
 6. His rustic and robust humour was an embarrassment to the sensibility of the young ladies.
(a) fragile
(b) delicate
(c) soft
(d) sober
 7. His teacher said that his comment on his performance was not to demoralize him but to him to
(a) encourage
(b) persuade
-

Get full NDA Ebook instantly with 250+ questions with Solutions by liking our FB page now !

www.dcgga.co.in

Defence Career & Guidance Academy

Campus 1 : DCGA,Haat Road,Kota(Raj.) | Campus 2: DCGA,GGV,Punam Colony,Kota(Raj.)

(c) instruct

(d) goad

8. Diseases are easily through contact with infected animals.

(a) transferred

(b) transported

(c) transferring

(d) transplanted

9. A number of scientists in the country think that they are on the of a major breakthrough.

(a) periphery

(b) threshold

(c) gateway

(d) frontier

10. Once he has signed the agreement, he won't be able to

(a) back up

(b) back in

(c) back at

(d) back out

Defence Career & Guidance Academy

Campus 1 : DCGA,Haat Road,Kota(Raj.) | Campus 2: DCGA,GGV,Punam Colony,Kota(Raj.)

Physics

1. Cryogenic engines find applications in :

- (a) sub-marine propulsion
- (b) frost-free refrigerators
- (c) rocket technology
- (d) researches in superconductivity

2. The clouds float in the atmosphere because of low :

- (a) temperature
- (b) velocity
- (c) pressure
- (d) density

3. Given below are two statements, one labelled as Assertion (A) and other labelled as Reason (R)

Assertion (A) : A diamond sparkles more than a glass imitation cut to the same shape.

Reason (R) : The refractive index of diamond is less than that of glass.

In context of the above two statements, which one of the following is correct ?

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true and R is not a correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

4. An air bubble in water will act like a :

- (a) convex mirror
- (b) convex lens
- (c) concave mirror
- (d) concave lens

5. When a mirror is rotated by an angle θ , the reflected ray will rotate by :

- (a) θ°
- (b) $\theta/2$
- (c) 0
- (d) 2θ

6. Total internal reflection can take place when light travels from :

- (a) diamond to glass
- (b) water to glass
- (c) air to water

Get full NDA Ebook instantly with 250+ questions with Solutions by liking our FB page now !

www.dcgga.co.in

Defence Career & Guidance Academy

Campus 1 : DCGA,Haat Road,Kota(Raj.) | Campus 2: DCGA,GGV,Punam Colony,Kota(Raj.)

(d) air to glass

7. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R).

Assertion (A) : Transformer is useful for stepping up or stepping down voltages.

Reason (R) : Transformer is a device used in D.C. circuits.

In the context of the above two statements, which one of the following is correct ?

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not a correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

8. When the frequency distribution is normal :

- (a) median, mode and mean are all different from one another
- (b) mean, mode and median are identical
- (c) mean is greater than mode
- (d) mean is greater than median

9. Domestic electrical wiring is basically a :

- (a) series connection
- (b) parallel connection
- (c) combination of series and parallel connections
- (d) series connection within each room and parallel connection elsewhere

10. Consider the following statements :

At the present level of technology available in India, solar energy can be conveniently used to

- 1. Supply hot water to residential buildings.
 - 2. Supply water for minor irrigation projects.
 - 3. Provide street lighting.
 - 4. Electrify a cluster of villages and small towns.
- (a) 1, 2, 3 and 4 are correct
 - (b) 2 and 4 are correct
 - (c) 1 and 3 are correct
 - (d) 1, 2 and 3 are correct

Defence Career & Guidance Academy

Campus 1 : DCGA,Haat Road,Kota(Raj.) | Campus 2: DCGA,GGV,Punam Colony,Kota(Raj.)

Mathematics

Q1.A person standing on the bank of a river observes that the angle subtended by a tree on the opposite of bank is 60° , When he retires 40 m from the bank, he finds the angle to be 30° . What is the breadth of the river?

- 1.60
- 2.40
- 3.20
- 4.30

Q2.If θ is the acute angle between the diagonals of a cube, then which one of the following is correct?

1. $\theta = 30$
2. $\theta = 45$
3. $3\cos \theta = 1$
4. $2 \cos \theta = 1$

Q3.In a group of 50 people, two tests were conducted, one for diabetes and one for blood pressure. 30 people were diagnosed with diabetes and 40 people were diagnosed with high blood pressure. What is the minimum number of people who were having diabetes and high blood pressure?

- 1.30
- 2.20
- 3.10
- 4.0

Q4.What is $0.9 + 0.09 + 0.009 + \dots$ equal to ?

- 1.1
- 2.1.1
- 3.1.01
- 4.1.001

Q5.Consider the following functions:

1. $f(x) = e^x$, where $x > 0$
2. $g(x) = |x - 3|$

Which of the above functions is/are continuous?

- 1.1 only
- 2.2 only
- 3.Both 1 and 2
- 4.Neither 1 nor 2

Q6.Coefficient of correlation is the measure of

- 1.Dispersion
-

Get full NDA Ebook instantly with 250+ questions with Solutions by liking our FB page now !

www.dcgga.co.in

Defence Career & Guidance Academy

Campus 1 : DCGA,Haat Road,Kota(Raj.) | Campus 2: DCGA,GGV,Punam Colony,Kota(Raj.)

- 2. neither central tendency nor dispersion
- 3. central tendency
- 4. both central tendency and dispersion

Q7. The equation of the line, the reciprocals of whose intercepts on the axes are m and n , is given by

- 1. $mx + ny = 1$
- 2. $mx + ny = mn$
- 3. $nx + my = mn$
- 4. $mx - ny = 1$

Q8. The value of k for which the lines $2x + 3y + a = 0$ and $5x + ky + a = 0$ represent family of parallel lines is

- 1. 3
- 2. 4.5
- 3. 7.5
- 4. 15

Q9. What is the seventh term of the sequence 0, 3, 8, 15, 24, ... ?

- 1. 63
- 2. 48
- 3. 35
- 4. 33

Q10. If $f(x) = 2x^2 + 3x - 5$, then what is $f'(0) + 3f'(-1)$ equal to?

- 1. -1
- 2. 0
- 3. 1
- 4. 2

Get full NDA Ebook with 250+
questions with Solutions by liking our
FB page now !

Get full NDA Ebook instantly with 250+ questions with Solutions by liking our FB page now !

www.dcgga.co.in