



SATISH SCIENCE ACADEMY
DHANORI PUNE - 411015

General Ability
COMPETITIVE EXAMS - NDA

Time Allowed: 2 hours and 30 minutes

Maximum Marks : 600

General Instructions:

- All questions are compulsory and carry equal marks.
- This test has 150 questions. If you find more than one correct answer choose the best one. You can choose ONLY ONE response for each question.
- For every wrong attempt, 1/3 marks will be deducted.

PART-A

- 1) Select the word which is most nearly opposite in meaning to the underlined word.

The bill received a vehement resistance from the opposition party in the Parliament. [4]

- a) Animated b) Vigorous
c) Fervent d) Apathetic
- 2) Find suitable OPPOSITE meaning of the word **OBSEQUIOUS** [4]
a) Opaque b) Careful
c) Clever d) Domineering
- 3) Select the word which is most nearly opposite in meaning to the capital word.
The accused emphatically **DENIED** the charge in the court. [4]
a) Accepted b) Asserted
c) Affirmed d) Agreed
- 4) Find suitable OPPOSITE meaning of the word. **EXTINCT** [4]
a) Recent b) Distinct
c) Alive d) Ancient
- 5) Find suitable OPPOSITE meaning of the word. **ABUNDANCE** [4]
a) Poverty b) Scarcity
c) Famine d) Wretchedness

Question No. 6 to 15 are based on the given text. Read the text carefully and answer the questions:

In the following passage, there are blanks each of which has been numbered. Against each, four words are suggested. Find out the appropriate word in each case.

In a survey _(1)_ by a library, it was recently _(2)_ that parents wish their children to read books with high moral _(3)_. Around two thousand parents were interviewed and most of them _(4)_ Dickens 'The Christmas Carol' is a must - read for children. This Christmas tale _(5)_ the filthy rich, _(6)_ Scrooge and the poor contented Cratchit family offers lessons in moral duties. Another book which many parents marked out as a _(7)_ read was Austen's 'Pride and Prejudice'. The choice of this book was rather _(8)_, because, this romantic novel is more likely to _(9)_ teenagers, than children. Since Elizabeth's final choice of Darcy is deeply rooted in strong moral _(10)_, the parents, probably thought, she offers a good example for the girl child to follow.

- 6) Find the best suitable option out of unfortunate, unsuspected, unnerving, unexpected to fill _(8)_ in the above passage. [4]

- a) Unfortunate b) Unnerving
c) Unexpected d) Unsuspected

- 7) Find the best suitable option out of reconciliatory, mandatory, conclusive, credible to fill _(7)_ in the above passage. [4]

- a) Credible b) Conclusive
c) Mandatory d) Reconciliatory

- 8) Find the best suitable option out of recommended, remarked, revised, restored to fill _(4)_ in the above passage. [4]

- a) Restored b) Revised
c) Recommended d) Remarked

- 9) Find the best suitable option out of circulated, conducted, employed, maintained to fill _(1)_ in the above passage. [4]

- a) Conducted b) Employed
c) Circulated d) Maintained

- 10) Find the best suitable option out of content, dilemma, ground, deliberation to fill _(3)_ in the above passage. [4]

- a) Deliberation b) Dilemma
c) Content d) Ground

- 11) Find the best suitable option out of discomfort, dilemma, consideration, disturbance to fill _(10)_ in the above passage. [4]

- a) Dilemma b) Discomfort
c) Disturbance d) Consideration

- 12) Find the best suitable option out of exposed, inferred, revealed, concurred to fill _(2)_ in the above passage. [4]

- a) Revealed b) Inferred
c) Exposed d) Concurred

- 13) Find the best suitable option out of distract, epulse, presume, attract to fill _(9)_ in the above passage. [4]

- a) Attract b) Presume
c) Distract d) Repulse

- 14) Find the best suitable option out of employing, devolving, revolving, involving to fill _(5)_ in the above passage. [4]

- a) Devolving b) Revolving
c) Employing d) Involving

- 15) Find the best suitable option out of fastidious, finicky, stingy, fussy to fill _(6)_ in the above passage. [4]

- a) Finicky b) Stingy
c) Fussy d) Fastidious

- 16) Select whichever word you consider **most appropriate** for

- 34) In the question given below, the passage consists of six sentences. The first and the sixth sentences are given in the beginning. The middle four sentences in each have been removed and jumbled up. These are labelled as P, Q, R and S. Find out the proper order of the four sentences.

S1 : It is regrettable that there is widespread corruption in the country at all levels.

S6 : This is indeed a tragedy of great magnitude.

P : So, there is hardly anything that the government can do about it now.

Q : And there are graft and other malpractices too.

R : The impression that corruption is universal phenomenon persists and the people do not cooperate in checking this evil.

S : Recently, several offenders were brought to book, but they were not given deterrent punishment.

The correct sequence should be [4]

- a) QSRP b) SQRP
c) PQSR d) RSQP
- 35) Rearrange the parts which are labelled as P, Q, R and S to produce the correct sentence. Choose the among the alternatives.

P : to be successful

Q : what it is

R : as a human being

S : have you ever considered

The correct sequence should be [4]

- a) QRSP b) SQPR
c) PRSQ d) RQPS
- 36) Which part of the given sentence is erroneous? In case, there is no error, choose option (d).
- You were going to explain
 - Your late arrival,
 - Isn't it?
 - No error

[4]

- a) Option (c) b) Option (b)
c) Option (a) d) Option (d)

- 37) Which part of the given sentence is erroneous? In case, there is no error, choose option (d).

- Climate change, whether it is
- Natural or human - induced
- Is stressful for the people.
- No error

[4]

- a) Option (c) b) Option (d)
c) Option (a) d) Option (b)

- 38) Which part of the given sentence is erroneous? In case, there is no error, choose option (d).

- As soon as
- The train arrived
- The passengers entered the compartments.
- No error

[4]

- a) Option (d) b) Option (b)
c) Option (c) d) Option (a)

- 39) Which part of the given sentence is erroneous? In case, there is no error, choose option (d).

- The price of my dress
- Is higher than that of
- Yours.
- No error

[4]

- a) Option (c) b) Option (d)
c) Option (b) d) Option (a)

- 40) Which part of the given sentence is erroneous? In case, there is no error, choose option (d).

- Over long periods of time
- Layers of sediments builds up
- To a height of a few kilometres.
- No error

[4]

- a) Option (d) b) Option (b)
c) Option (c) d) Option (a)

Question No. 41 to 45 are based on the given text. Read the text carefully and answer the questions:

Magda Good morning, Mrs. Smiles. It's wet, isn't it?

Mrs. Smiles Yes, it is, isn't it? How are you today? All right? You haven't been studying too hard, have you? You look a bit pale.

Magda I don't, do I? Well, I haven't been out much lately. I don't like this weather a bit. Why, we haven't had a dry day for weeks, have we?

Mrs. Smiles No, I don't think we have. Let's see, you'll be going back home next month, won't you?

My sister's coming over first.

Mrs. Smiles Oh, is she? You're looking forward to that, I expect. How long is it since you saw her?

Magda Nearly a year now. Yes, I am looking forward to it very much.

Mrs. Smiles She's coming over here to study?

Magda Yes, that's right, I shan't go back home until she's settled down. I don't think I ought to, ought I?

Mrs. Smiles Well, no, she's younger than you are, is she?

Magda Yes, she's only eighteen.

- 41) Magda was not going back home yet because [4]

- a) It had been raining heavily
b) Her sister was coming over
c) She was not feeling well
d) Her studies were not completed

- 42) Mrs. Smiles says, "You're looking forward to that". This means that Magda was her sister's arrival. [4]

- a) Expecting with pleasure
b) Watching with joy
c) Preparing hard for
d) Thinking greatly about

- 43) Magda's sister was coming to [4]

- a) Settle down in England
b) Pursue her studies
c) Help Mrs. Smiles
d) Visit her sister

- 44) Mrs. Smiles and Magda are [4]

- a) Classmates b) Neighbours
c) School friends d) Sisters - in - law

- 45) Magda had not been out much lately because [4]

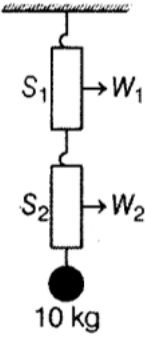
- a) She had not been keeping well
b) She was busy with her studies
c) Her sister had come over to stay
d) The weather had been unpleasant

- 46) Which one of the following best expresses the meaning of the word **BANE** [4]

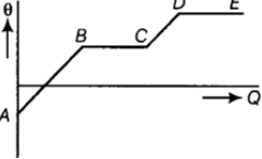
- a) Challenge b) Threat
c) Curse d) Danger

- 47) Choose suitable alternative which best expresses the meaning of the word. **CONCEALED** [4]
a) Closed b) Covered
c) Hidden d) Sealed
- 48) The given item consists of a sentence followed by four words or group of words. Select the synonym of word (underlined in the sentence) as per the context.
The judge told that he would analyse the evidence and then deliver the verdict. [4]
a) Liberate b) Pronounce
c) Transfer d) Surrender
- 49) The given item consists of a sentence followed by four words or group of words. Select the synonym of word (underlined in the sentence) as per the context.
Our locality has a common space for observing various national days and for organising festivals. [4]
a) Celebrating b) Forming
c) Witnessing d) Coordinating
- 50) Which one of the following best expresses the meaning of the word **EFFIGY** [4]
a) Dummy b) Imagery
c) Organ d) Reflection

PART-B

- 51) A force applied on a body is represented as $\mathbf{F} = 6\hat{i} - 8\hat{j} + 10\hat{k}$ and accelerates it at 1 m/s^2 . The mass of the body is [4]
a) $10\sqrt{2} \text{ kg}$
b) 10 kg
c) $2\sqrt{10} \text{ kg}$
d) 8 kg
- 52) Two identical spring balances S_1 and S_2 are connected one after the other and are held vertically as shown in the figure. A mass of 10 kg is hanging from S_2 . If the readings on S_1 and S_2 are W_1 and W_2 respectively, then

[4]
a) $W_1 = 5 \text{ kg}$ and $W_2 = 5 \text{ kg}$
b) $W_1 = 5 \text{ kg}$ and $W_2 = 10 \text{ kg}$
c) $W_1 = 10 \text{ kg}$ and $W_2 = 5 \text{ kg}$
d) $W_1 = 10 \text{ kg}$ and $W_2 = 10 \text{ kg}$
- 53) For a perfectly elastic collision, the coefficient of restitution (e) is [4]
a) 0 b) - 1
c) Infinity d) 1
- 54) The ratio of the radii of gyration of a circular disc and a circular ring of the same radii about a tangential axis perpendicular to plane of disc and of ring is [4]

- a) $\sqrt{5} : \sqrt{6}$ b) $\sqrt{3} : 2$
c) $1 : 2$ d) $2 : 3$

- 55) If radius of the earth were to shrink by 1%, its mass remaining the same, then g would decrease by nearly [4]
a) 1% b) 4%
c) 3% d) 2%
- 56) In a group discussion on shape and size of the Earth. Three students stated the following points;
i. Student 1 The shape of the Earth is basically an oblate spheroid.
ii. Student 2 The polar diameter of the Earth is more than the equatorial diameter.
iii. Student 3 Bulge along the equatorial region is due to revolution of the Earth.
Who among the above students is/are correct? [4]
a) Only i and student ii
b) Student i, student ii and students iii
c) Student ii and student iii
d) Only student i
- 57) Which one of the following statements is not correct? [4]
a) In steady flow of a liquid, the velocity of liquid particles reaching at a particular point is the same at all points.
b) In steady flow, each particle may not follow the same path as taken by a previous particle passing through that point.
c) Two streamlines cannot intersect with each other.
d) Steady flow is also called streamlined flow.
- 58) A water proofing agent changes the angle of contact from [4]
a) $\frac{\pi}{2}$ to an obtuse
b) Acute to $\frac{\pi}{2}$
c) An acute to an obtuse value
d) An obtuse to an acute value
- 59) Thermal capacity of a body depends on the [4]
a) Density of the body
b) Mass of the body
c) Mass and shape of the body
d) Mass, shape and temperature of the body
- 60) The graph given below indicates change in temperature θ when heat Q was given to a substance. Which among the following parts of the graph correctly depict the latent heat of the substance?

[4]
a) AB and BC b) BC and DE
c) CD and DE d) DE and AB
- 61) A number of small drops of Hg adiabatically coalesce to form a single drop. The temperature of the drop will [4]
a) Decrease b) Depend on size
c) Increase d) Remain same
- 62) Ice formed over lakes has [4]
a) Very high thermal conductivity and helps in further ice formation
b) It permits quick convection and retards further formation of ice

- d) Home Ministry
- 146) Which country's women's cricket team won the gold medal in the Asian Games 2023? [4]
- a) India
 - b) Pakistan
 - c) China
 - d) Sri Lanka
- 147) India's which tech startup showcased Solar Power Drone **Suraj** at Aero India 2023 show? [4]
- a) Ideaforge Technology
 - b) Drone Acharya Aerial Innovation
 - c) Garuda Aerospace
 - d) Alpha Design Technologies
- 148) Which company has launched the world's first Generative AI tool for insurance? [4]
- a) Infosys
- b) Simplify
- c) Meta
- d) Tata Max
- 149) In which African country has the army removed the president from office in a coup? [4]
- a) Uganda
 - b) Angola
 - c) Niger
 - d) Kenya
- 150) Joint sittings of the two Houses of Indian Parliament are held to [4]
- a) Consider and pass a bill on which the two houses disagree
 - b) Adopt a Constitution Amendment Bill
 - c) Elect the Vice - President of India
 - d) Elect the President of India