b) Diseased

d) Defiled

18) Choose the correct alternative out of the four to make the

Infectious

Contagious

c)



# SATISH SCIENCE ACADEMY DHANORI PUNE - 411015

# General Ability COMPETITIVE EXAMS - NDA

Time Allowed: 2 hours and 30 minutes

#### Maximum Marks: 600

8) Find the best suitable option out of hands, wings, legs,

# 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

7) Find the best suitable option out of fills, filled, field,

b) Filled

d) Field

feels to fill \_(2)\_ in the above passage. [4]

a) Fills

c) Feels

1) Find suitable OPPOSITE meaning of the word. APPAR- ENT [4]	feelers to fill _(3)_ in the above passage. [4] a) Legs b) Feelers
a) Remote b) Hidden	c) Hands d) Wings
c) Mysterious d) Illegible	9) Find the best suitable option out of grow up, mow, blow,
2) Find suitable OPPOSITE meaning of the word.	show to fill _(4)_ in the above passage. [4]
MOURNFUL [4]	a) Mow b) Blow
a) Humorous b) Playful	c) Grow up d) Show
c) Joyous d) Laughable	
	10) Find the best suitable option out of astrology, astronomy,
3) Select the word which is most nearly opposite in meaning	astronaut, aristocrat to fill _(5)_ in the above passage.
to the underlined word.	[4]
Sting operations use <u>subterfuge</u> to obtain material for	a) Astrology b) Astronomy
stories. [4]	c) Aristocrat d) Astronaut
a) Suspicion b) Policy	11) Find the best suitable option out of special, ordinary,
c) Honesty d) Society	common, natural to fill _(6)_ in the above passage. [4]
4) Out of the four alternatives, choose the one which best	a) Ordinary b) Common
expresses the OPPOSITE meaning of the word PLIABLE	c) Natural d) Special
[4]	10) F' 1 (1 1 4
a) Flexible b) Friendly	12) Find the best suitable option out of trousers, spacecraft,
c) Applicable d) Rigid	space - suit, space formula to fill _(7)_ in the above
5) Select the word which is most nearly opposite in meaning	passage. [4]
to the underlined word.	<ul><li>a) Spacecraft</li><li>b) Space - suit</li><li>c) Space formula</li><li>d) Trousers</li></ul>
He always offers palatable solutions. [4]	c) Space formula d) Housels
a) Unacceptable b) Pleasant	13) Find the best suitable option out of breadth, breathing,
c) Agreeable d) Acceptable	bathing, breathe to fill _(8)_ in the above passage. [4]
, 1	a) Bathing b) Breathe
Question No. 6 to 15 are based on the given text. Read	c) Breadth d) Breathing
the text carefully and answer the questions:	14) Find the best suitable option out of sensitive, touchy,
In the following passage, some of the words have been	primitive, decorative to fill _(9)_ in the above passage.
left out. Read the passage carefully and choose the cor-	[4]
rect answer to each question out of the four alternatives	a) Decorative b) Primitive
and fill in the blanks.	c) Touchy d) Sensitive
Whenever I _(1)_ at the moon, my heart _(2)_ with	•
pleasure. I wish I had _(3)_ to fly up to the moon. I	15) Find the best suitable option out of accessory, things,
know if I could _(4)_ to become an _(5) I would be	intuition, gadgets to fill _(10)_ in the above passage. [4]
able to go to the moon. Special equipment and a _(6)_	a) Accessory b) Gadgets
training are required to go to the moon. I would have to	c) Things d) Intuition
wear a special _(7)_ along with a gas - mask for _(8)	16) Fill the blank with suitable alternative. She remained a
My space shuttle would be equipped with _(9)_ cameras	all her life. [4]
and other scientific _(10)	a) Spinster b) Single
6) Find the best suitable option out of looked, saw, viewed, gaze to fill _(1)_ in the above passage. [4]	c) Bachelor d) Unmarried
a) Gaze b) Viewed	17) Choose the correct alternative out of the four. Precautions
c) Saw d) Looked	are to be taken with anyone who seems . [4]
e, san	are to be taken with anyone who beems . [T]

	sentence grammatically correct. You should not confide a stranger. [4]	Because of his misbehaviour, he is bound to face the music. [4]
	a) By b) To c) With d) On	a) Feel sorry b) Get finished c) Listen to the music d) Get reprimanded
men the a) c)	Just as in a family it is the willing cooperation of its members that happiness and contentment, so is it in the larger family of the nation. [4]	<ul><li>30) Find suitable meaning of the Idiom/Phrase given in bold.</li><li>to make a mountain of a molehill [4]</li><li>a) To make advantage of a small thing</li></ul>
	a) Brings b) Brought c) Will bring d) Bought  He was caught red - handed and could not the	<ul><li>b) To give great importance to little things</li><li>c) To see a thing with prejudiced mind</li><li>d) To get into trouble</li></ul>
20)	charges. [4] a) Revoke b) Rebuke c) Refute d) Refuse	31) Rearrange the parts which are labelled as P, Q, R and S to produce the <b>correct sentence</b> . Choose the among the alternatives.
21)	This remark is not your favour. [4] a) To b) Of c) For d) In	P: the conspiracy Q: got wind of R: the Government
22)	Choose the correct alternative out of the four. A person came in with a baby who, she said, a safety pin. [4] a) Just swallowed b) Was just swallowing c) Swallowed d) Had just swallowed	S: against the king's life The correct sequence should be: [4] a) RQPS b) SPQR c) PSQR d) PQRS
23)	Choose the correct alternative out of the four. Radium  rays that blind the eyes. [4]  a) Gives up  b) Gives off	<ul><li>32) Rearrange the parts which are labelled as P, Q, R and S to produce the correct sentence. Choose the among the alternatives.</li><li>P: ripping roofs off houses and raising fears of</li></ul>
24)	c) Gives over  d) Gives away  Choose the correct alternative out of the four. Be and always look to the comfort of others. [4]  a) Considerate b) Cautious c) Consider d) Considerable	Q : coast of Madagascar in the early hours, R : cyclone Emnati crashed into the southeastern S : flooding and food shortages in the region The correct sequence should be [4] a) RQPS b) SPRQ c) RPSQ d) PRSQ
	Choose the correct alternative out of the four. The police is on his activities. [4]  a) Keeping watchful eyes b) Keeping both eyes c) Keeping an eye d) Keeping one eye	33) Rearrange the parts which are labelled as P, Q, R and S to produce the <b>correct sentence</b> . Choose the among the alternatives.  After having got up from bed P: the Magistrate Q: to bring coffee
26)	Find suitable meaning of the Idiom/Phrase given in bold.  Yellow journalism [4]  a) Government reports published on yellow coloured papers	R: ordered the attendant S: immediately The correct sequence should be: [4] a) SPRQ b) PRQS c) SPQR d) PQRS
	<ul> <li>b) Journalism which agrees completely with the policies of the government and capitalists</li> <li>c) Writings in newspapers that try to influence people's opinion by using strong language and false information</li> <li>d) Paid storytelling</li> </ul>	<ul> <li>34) Rearrange the parts which are labelled as P, Q, R and S to produce the correct sentence. Choose the among the alternatives.</li> <li>P: humans and machines have co - existed Q: dating back to the invention of</li> </ul>
27)	Find suitable meaning of the Idiom/Phrase given in bold.  The truant school boy told <b>cock and bull</b> stories to escape punishment. [4]  a) Interesting and thrilling	R: the potter's wheel in ancient Mesopotamia S: at the physical level for millennia The correct sequence should be [4] a) QRPS b) QSPR c) PSQR d) RSPQ
	<ul><li>b) Absurd and unbelievable</li><li>c) Authentic and realistic</li><li>d) Drab and boring</li></ul>	35) Rearrange the parts of the sentence in the correct order.  1. Health and fitness have now become one of the major concerns.
28)	Find suitable meaning of the Idiom/Phrase given in bold. His parents cut him off, without a shilling. [4]	i. This made life active and alert. ii. Earlier humans used to hunt for their living. iii. Now, life has become more simple and easy.
	<ul><li>a) Sent him away with a shilling</li><li>b) Snubbed him</li><li>c) Gave him only a shilling</li><li>d) Disinherited him</li></ul>	<ul><li>iv. Due to which their body had to undergo a lot of physical exercise.</li><li>6. Everything we need is just a phone call away.</li></ul>

29) Find the suitable meaning of the Idiom/Phrase given in

bold.

b) RPSQ

d) QSPR

**PQRS** 

SRQP

a)

c)

- 36) Which part of the given sentence is erroneous? In case, there is no error, choose option (d).
  - i. The oxygen content of Mars is not
  - ii. Sufficient enough to support life
  - iii. As we know it.
  - iv. No error

[4]

- Option (a) a)
- b) Option (b)
- c) Option (c)
- d) Option (d)
- 37) Which part of the given sentence is erroneous? In case, there is no error, choose option (d).
  - i. A great part
  - ii. Of Arabia
  - iii. Is desert.
  - iv. No error
  - [4]
  - Option (a) a)
- b) Option (d)
- c) Option (c)
- d) Option (b)
- 38) Which part of the given sentence is erroneous? In case, there is no error, choose option (d).
  - i. Emphasis on equality of life ensures
  - ii. For the health and happiness
  - iii. Of every individual.
  - iv. No error

[4]

- a) Option (b)
- b) Option (d)
- c) Option (a)
- d) Option (c)
- 39) Which part of the given sentence is erroneous? In case, there is no error, choose option (d).
  - i. Having read a number of stories
  - ii. About space travel
  - iii. His dream now is about to visit the Moon.
  - iv. No error

[4]

- Option (c) a)
- b) Option (b)
- c) Option (d)
- d) Option (a)
- 40) Which part of the given sentence is erroneous? In case, there is no error, choose option (d).
  - i. He was charged of murder
  - ii. Though the evidence did every thing
  - iii. To convince the judge of his innocence.
  - iv. No error

[4]

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

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

It is no doubt true that we cannot go through life without sorrow. There can be no sunshine without shadow, we must not complain that roses have thorns but rather be grateful that thorns bear flowers. Our existence here is so complex that we must expect much sorrow and suffering. Yet, it is certain that no man was ever discontented with the world who did his duty in it. The world is like a looking glass; if you smile, it smiles; if you frown, it frowns back. Always try, then, to look at the bright side of things. There are some people whose very presence seems like a ray of sunshine and brightens the whole room. Life has been described as a comedy to those who think and a tragedy to those who feel.

41) The author says that we cannot go through life without sorrow because [4]

- a) We are always discontented
- b) Life is a tragedy
- c) Human life is very complex
- d) It is our fate
- 42) According to the author, no man can be discontented with the world if he [4]
  - a) Is determined to be happy
  - b) Has a healthy attitude to life
  - c) Is sincere in discharging his duties
  - d) Likes sunshine
- 43) The expression 'Life is a tragedy to those who feel' means that it is a tragedy to those who [4]
  - a) Do not understand the world
  - b) Are sensitive and emotional
  - c) Think about the world
  - d) Believe in fate
- 44) The author says, "There are some persons whose very presence seems like a ray of sunshine and brightens the whole room"?

The reason for this is that they [4]

- a) Talk more of roses and less of thorns
- b) Are happy and spread happiness
- c) Look good and behave well
- d) Have the capacity to love
- 45) What is the author's message in this passage? [4]
  - a) Expect much sorrow and suffering
  - b) The world is a looking glass
  - c) Our existence is so complex
  - d) Look at the bright side of things
- 46) Which of the following best expresses the meaning of the word.**HARD** [4]
  - a) Simple
- b) Difficult
- c) Common
- d) Easy
- 47) Which one of the following best expresses the meaning of the wordRECAPITULATION [4]
  - a) Withdrawal
- b) Capture
- c) Introduction
- d) Recall
- 48) Out of the four alternatives suggested, choose the the one which best expresses the meaning of the wordFRONTIER [4]
  - a)
- Edge

- b) Landmark
- c) Corner
- d) Boundary
- 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.

To abolish poverty would be to destroy the soil upon which mankind produces the virtues conducive to higher civilisation. [4]

- a) Eradicate
- b) Assimilate
- c) Detest
- d) Nurture
- 50) Which of the following best expresses the meaning of the word. OBSTREPEROUS [4]
  - a) Lazy

- Awkward
- c) Unruly
- Sullen

#### **PART-B**

- 51) Weight and mass of an object are defined with Newton's laws of motion. Which among the following is true? [4]
  - a) Weight is a constant of proportionality
  - b) Mass is a constant of proportionality

- c) Weight is a universal constant
- d) Mass is not a constant of proportionality
- 52) A car starts from Bengaluru, goes 50 km in a straight line towards South, immediately turns around and returns to Bengaluru. The time taken for this round trip is 2 h. The magnitude of the average velocity of the car for this round trip [4]
  - a) Is zero
  - b) Is 25 km/h
  - c) Cannot be calculated without knowing acceleration
  - d) Is 50 km/h
- 53) A body is falling freely under the action of gravity alone in vacuum. Which one of the following remains constant during the fall? [4]
  - a) Total mechanical energy
  - b) Kinetic energy
  - c) Total linear momentum
  - d) Potential energy
- 54) A solid disc and a solid sphere have the same mass and same radius. Which one has the higher moment of inertia about its centre of mass? [4]
  - a) The information provided is not sufficient to answer the question
  - b) The sphere
  - c) Both have the same moment of inertia
  - d) The disc
- 55) A heavy iron bar of weight w is having its one end on the ground and the other on the shoulder of a man. The rod makes an angle $\theta$  with the horizontal. What is the weight experienced by the man? [4]
  - a) W

b)  $W \cos\theta$ 

c)  $\frac{w}{2}$ 

- d)  $W \sin\theta$
- 56) A man weighing 70 kg is coming down in lift. If the cable of the lift breaks sudden, then the weight of the man would become [4]
  - a) 35 kg
- b) 0
- c) 140 kg
- d) 70 kg
- 57) The following four wires are made of the same material. Which of these will have the largest extension, when the same tension is applied? [4]
  - a) L = 300 cm, d = 3 mm
  - b) L = 50 cm, d = 0.5 mm
  - c) L = 100 cm, d = 2 mm
  - d) L = 250 cm, d = 2 mm
- 58) A stone weighing 750 g appears to weighs only 500 g when it is submerged in water of density  $1 \text{ g(cc)}^{-1}$ . The volume of the stone is [4]
  - a) 1000 cc
- b) 250 cc
- c) 750 cc
- d) 500 cc
- 59) Real expansion of a liquid is always [4]
  - a) Equal to apparent expansion
  - b) Greater than apparent expansion
  - c) Varies depending on conditions
  - d) Less than apparent expansion
- 60) The absolute zero temperature is 0 K. In C unit, which one of the following is the absolute zero temperature? [4]
  - a) 0°C

- b) 100°C
- c) 273.15°C
- d) 173.15°C

- 61) Which of the following are factors upon which the amount of heat radiated from a body depends?
  - i. Excess temperature of the body over surroundings.
  - ii. Density of the body.
  - iii. Exposed area of the body.
  - iv. Nature of the surface of the body

Choose the correct answer from the codes given below

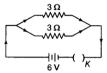
- a) I, II and IV
- b) II, III and IV
- c) I, III and IV
- d) I, II and III
- 62) The pressure and density of a diatomic gas changes adiabatically from $(p, \rho)$  to  $(p', \rho')$ . If  $\frac{\rho'}{\rho}$  is equal to 32, then  $\frac{p'}{p}$  should be [4]
  - a)  $\frac{1}{128}$  c) 32

- d) 128
- 63) When a ray of light is reflected under multiple reflections by a set of plane parallel mirrors, then the intensity of the ray diminishes due to [4]
  - a) Absorption of light by the atmosphere
  - b) Absorption as well as scattering of light from the
  - c) Scattering of light by the atmosphere
  - d) None of these
- 64) In optical instruments, the lenses are used to form image by the phenomenon of [4]
  - a) Diffusion
- b) Reflection
- c) Scattering
- d) Refraction
- 65) A person is unable to read a newspaper without his glasses. He is most probably suffering from [4]
  - a) Astigmatism
- b) Presbyopia
- c) Hypermetropia
- d) Myopia
- 66) A sound wave has a frequency of 1 kHz and wavelength 50 cm. How long will it take to travel 1 km? [4]
  - a) 3 s

b) 5 s

c) 4 s

- d) 2 s
- 67) Which one of the following statements is true for sound waves propagating in air? [4]
  - a) Sound is an electromagnetic wave and transverse in
  - b) Sound is an electromagnetic wave and longitudinal in nature.
  - c) Sound is a mechanical wave and longitudinal in
  - d) Sound is a mechanical wave and transverse in nature.
- 68) Two electrons are separated by distance of 1A. Coulomb force between them will be [4]
  - a)  $2.3 \times 10^{-8} \text{ N}$
- b)  $3.6 \times 10^{-8} \text{ N}$
- c)  $1.6 \times 10^{-9} \text{ N}$
- d)  $4.6 \times 10^{-8} \text{ N}$
- 69) There are two wires of the same material and lengths. The cross - sections of the wires are different. If the diameter of the first wire is double that of the second wire, then the specific resistance of the first wire will be
  - a) Four times that of the second wire
  - b) Same as that of the second wire
  - c) Double that of the second wire
  - d) Half that of the second wire
- 70) Consider the following circuit, The current flowing through each of the resistors connected in the below circuit is



[4]

a) 9A

b) 2A

c) 4A

- d) 1A
- 71) The electromagnetically induced current always flows in such a direction that the action of the magnetic field set up by it tends to oppose the cause producing it. This is known as [4]
  - a) Faraday's law
- b) Lenz's law
- c) Ampere's law
- d) Biot Savart's law
- 72) A positive charge is moving towards south in a space where magnetic field is pointing in the north direction. The moving charge will experience [4]
  - a) A deflecting force towards west direction.
  - b) No deflecting force.
  - c) A deflecting force towards north direction.
  - d) A deflecting force towards east direction.
- 73) An isobar is produced in [4]
  - a) Deuteron emission
- b)  $\beta$  emission
- c) Proton emission
- d)  $\alpha$  emission
- 74) Which one of the following types of radiations has the smallest wavelength? [4]
  - a) Infrared
- b) Microwaves
- c) Visible light
- d) X rays
- 75) If  $K_{\alpha}$  radiation of  $M_0(Z=42)$  has a wavelength of 0.71 A. Calculate the wavelength of the corresponding radiation of Cu(Z=29) [4]
  - a)  $3.52\overset{o}{A}$
- b) 2.52A

c) 2.0Å

- d) 1.52A
- 76) Which one of the following is a chemical change? [4]
  - a) Milk turning sour
  - b) Dissolving sugar in water
  - c) Melting of ice
  - d) Crystallisation
- 77) Refining of petroleum is carried out using which one of the following techniques? [4]
  - a) Evaporation
  - b) Sublimation
  - c) Fractional distillation
  - d) Separating funnel
- 78) Solution of CaCO<sub>3</sub> in water forms a [4]
  - a) Azeotropic mixture
  - b) Heterogeneous mixture
  - c) Homogeneous mixture
  - d) True solution
- 79) The propositionequal volumes of different gases contain equal numbers of molecules at the same temperature and pressure is known as [4]
  - a) Kirchhoff's theory
  - b) Avogadro's hypothesis
  - c) Gay Lussac's hypothesis
  - d) Planck's hypothesis
- 80) Which of the following statements are true?
  - i. The valencies of elements forming isomorphous compounds are same.

- ii. Equivalent mass may vary with change of valency.
- iii. Some elements show variable valency.

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- a) I and II
- b) I and III
- c) II and III
- d) All of these
- 81) Which one among the following most correctly determines the atomic number of an element? [4]
  - a) Number of ions
  - b) Number of protons
  - c) Number of nucleons
  - d) Number of protons and neutrons
- 82) What is the maximum number of electrons in the M shell? [4]
  - a) 6

b) 32

c) 8

- d) 18
- 83) In the context of lanthanoids, which of the following statement is not correct?
  - i. There is a gradual decrease in the radii of the members with increasing atomic number in the series.
  - ii. All the members exhibit +3 oxidation state.
  - iii. Because of similar properties the separation of lanthanoids is not easy.
  - iv. Availability of 4f electrons results in the formation of compounds in +4 state for all members of the series.

[4]

- a) Statement (i) is not correct.
- b) Statement (ii) is not correct.
- c) Statement (iv) is not correct.
- d) Statement (iii) is not correct.
- 84) Ionic bond formation is [4]
  - a) Endothermic
  - b) Exothermic
  - c) Both exothermic and endothermic
  - d) Electrovalent
- 85) A student tested a liquid with a red litmus paper and it stayed red with no change. This shows that the liquid [4]
  - a) Is neither a base nor an acid.
  - b) Is not a base.
  - c) Must be an acid.
  - d) Must be pure water.
- 86) Which one of the following metals does not react with cold water to liberate hydrogen gas? [4]
  - a) Potassium
- b) Iron
- c) Sodium
- d) Calcium
- 87) Which one of the following reactions does not result in the evolution of hydrogen gas? [4]
  - a) Mixing water to Plaster of Paris.
  - b) Reaction of potassium metal with water.
  - c) Reaction of zinc metal with dilute sulphuric acid solution.
  - d) Heating zinc metal with sodium hydroxide solution.
- 88) Producer gas is a mixture of [4]
  - a) CO and H<sub>2</sub>
- b) CO and N<sub>2</sub>
- c) CO,  $H_2$  and  $N_2$
- d) Air and water
- 89) Stamp pad is a [4]
  - a) Aniline ink and iron gel inkb) Iron gel ink
  - c) Glycerine

6	
	d) Aniline ink
90)	Common salt (NaCl) is not used as a raw material for preparation of which one of the following compounds?  [4]
	a) Washing soda b) Baking soda c) Plaster of Paris d) Bleaching powder
91)	Read the following statements about bacteria and select the correct option. [4]
	<ul> <li>a) Bacteria are simple in both structure and behaviour</li> <li>b) Bacteria are complex in both structure and behaviour</li> <li>c) Bacteria are simple in structure, but complex in behaviour</li> <li>d) Bacteria are complex in structure, but simple in behaviour</li> </ul>
92)	Mitochondria are able to produce their own [4] a) Nucleus b) Proteins c) Chloroplasts d) Digestive enzyme
93)	Eating of raw fish can cause deficiency of vitamin [4] a) D b) $B_4$ c) $B_{12}$ d) $B_1$
94)	Consider the following functions of xylem.  i. Conduction of water.  ii. Conduction of minerals.  iii. Translocation of food.  Which of the function(s) of xylem given above is/are correct? [4]  a) I and ii b) Only i c) Only iii d) Ii and iii
95)	Damage to the apical meristem of a growing young plant will affect the [4]  a) Colour of the flower b) Colour of the leaves c) Taste of the fruits d) Length of the plant
96)	Which one is antigibberellin? [4]  a) Malic hydrazide b) Phosphon - D c) All of these d) Chlorocholine chloride
97)	The joint between skull and first vertebra is [4]
	<ul><li>a) Ellipsoidal joint</li><li>b) Hinge joint</li><li>c) Pivot joint</li><li>d) Ball and socket joint</li></ul>
98)	Which one of the following depicts the correct circuit of a reflex arc? [4]
	a) Receptor→ sensory neuron → brain → motor

neuron  $\rightarrow$  effector

tor neuron  $\rightarrow$  effector

causal organism elephantiasis? [4]

b) Fasciola hepatica

d) Culex pipiens

neuron  $\rightarrow$  receptor

a) Ascaris lumbricoides

c)

Wuchereria bancrofti

motor neuron

b) Sensory neuron $\rightarrow$  receptor  $\rightarrow$ 

c) Mahatma Gandhi d) Gopal Krishna Gokhale 103) Which one among the following works of Mahatma Gandhi provides a critique of modern machine - oriented civilisation? [4] a) Constructive Programme b) Anasakti Yoga (Commentary on 'Gita') c) The Story of My Experiments with Truth d) Hind Swaraj 104) The Mathura school of Art was influenced by: [4] a) Gandhara School of Art b) Roman School of Art c) Amaravati School of Art d) Bodh Gaya School of Art 105) The "Mudrarakshasa" was composed by: [4] Shudraka b) Varahamihira Vishakhadatta d) Aryabhatta 106) The Huna leader Mihirgula was defeated by: [4] Chandragupta b) Rajyyardhana Budhagupta Yashodharaman c) d) 107) The hero of the Kakort 'Dacolty' case was [4] Bhagat Singh b) Ramprasad Bismil a) Batukeshwar Datta d) Barkatulla 108) The Vijayanagara Empire emerged during the reign of: [4] Humayun b) Muhammad Tughlaq a) Balban Ala - ud - din - Khilji c) 109) Who said 'Swaraj is my birthright and I shall have it'? B.G. Tilak b) M.K. Gandhi d) G.K. Gokhale c) B. R. Ambedkar 110) Which one among the following statement(s) relating to the Home Rule Movement is not correct? [4] a) The movement was again revived by Mahatma Gandhi b) Annie Besant, the leader of the movement did not oppose the entry of extremists c) The movement, instead of going forward after its brain effector  $\rightarrow$ great advance in 1917, gradually declined in 1918 d) The movement became weaker and weaker because c) Receptor $\rightarrow$  sensory neuron  $\rightarrow$  spinal cord  $\rightarrow$  moof the continuous differences of opinion among the nationalist leaders d) Effector $\rightarrow$  sensory neuron  $\rightarrow$  spinal cord  $\rightarrow$  motor 111) Which year did Bankim Chandra Chatopadhyay write Anandmath? [4] 99) Which one of the following is the scientific name of the b) 1890 1882 a) c) 1892 d) 1858 112) Who was appointed by Akbar as his Court Musician? [4] Mian Tansen b) Abul Fazal 100) The genetically engineered Golden rice was created by Raja Todar Mal d) Raja Birbal transforming  $\beta$  - carotene biosynthesis genes namely, [4]

a) Chy - 1

c) Chy - 2

Eleven

Rule League? [4] a) JB Kripalani

b) Bal Gangadhar Tilak

a) Nine

c)

b) Psy and Crlt gene

d) Lcy - e

b) Seven

Five

101) Megasthenes classified the Indians into ..... classes. [4]

102) Who among the following leaders started the Indian Home

- 113) The innovator of the Revenue settlement during the rule of Akbar was [4] b) Raja Bhagwan Das a) Raja Mansingh c) Raja Birbal d) Raja Todarmal 114) The first Satyagraha of Gandhiji for the cause of indigo farmers was observed at [4] b) Bardoli a) Champaran c) Chauri - Chaura d) Sabarmati 115) Which of the following statements with regards to the Civil Disobedience Movement is/are correct? i. The movement received massive response from busi-
- - ness groups and peasantry.
  - ii. The movement coincided with large scale labour upsurge in Maharashtra.
  - iii. The movement was marked by the mass participation of lawyers and students.

Select the correct answer using the codes given below.

- a) All of these
- b) 2 and 3
- c) 1 and 2
- d) Only 1
- 116) Which of the following was the chief characteristic of Renaissance period? [4]
  - a) All of these
  - b) Rationalistic thinking
  - c) Humanistic thinking
  - d) Spiritualistic thinking
- 117) The industrial revolution in England had a profound impact on the lives of people. Which of the following statements are correct about that?
  - i. Women were the main workers in the silk, lace making and knitting industries
  - ii. Factory managers were well aware of the health risks of industrial work on children
  - iii. Children were often employed in textile factories.
  - iv. The novel 'Hard Times' by Charles Dickens was a severe critique of the horrors of industrialisation.

- a) 3 and 4
- b) 1 and 3
- c) 1 and 2
- d) 1, 3 and 4
- 118) Which of the following was/were the reasons for the defeat of British during the American War of Independence?
  - i. The remoteness of the American Continent and the lack of good roads.
  - ii. The British authorities failed to rally the loyalist Americans.
  - iii. The Americans benefited from the extraordinary military leadership of George Washington.
  - iv. The Americans had access to superior arms and ammunition.

[4]

- a) 1, 2 and 4
- b) 1, 2 and 3
- Only 3
- d) 2 and 3
- 119) Whose teachings inspired the French Revolution? [4]
  - a) Rousseau
- b) Hegel
- c) Plato
- d) Locke
- 120) Which one of the following statements about Renaissance Humanist Culture is not true? [4]
  - a) It slackened the control of religion over human life.
  - b) It criticised material wealth, power and glory
  - c) It was concerned with good manners.
  - d) It believed that human nature was many sided.

- 121) Growth rate of population means [4]
  - a) The difference of growth between male and female.
  - b) The number of births per thousand people.
  - c) The difference in population between urban and rural area.
  - d) The difference between birth and death rates.
- 122) A continuous chain of mountains that rise abruptly more or less parallel to the coastline of India is [4]
  - a) Satpura
- b) Western ghats
- c) Aravalli
- d) Eastern ghats
- 123) In India, glacial terraces known as Karewas are found in
  - Sapt Kosi valley
- b) Alakananda valley
- c) Teesta valley
- d) Jhelum valley
- 124) Administration of India was transferred to the British Crown (from the East India Company) in: [4]
  - a) 1857

b) 1600

- c) 1858
- d) 1912
- 125) Which one of the following States/Union Territories of India recorded the lowest density of population in the 1991 Census? [4]
  - a) Mizoram
- b) Nagaland
- c) Sikkim
- d) Arunachal Pradesh
- 126) Which one of the following hydroelectric projects does not belong to Tamil Nadu? [4]
  - a) Periyar
- b) Idukki
- c) Kundah
- d) Aliyar
- 127) Which of the following are West flowing rivers?
  - 1. Krishna 2. Narmada 3. Mahanadi 4. Sabarmati Select the correct answer using the codes given below.
  - 1 and 3 a)
- b) 2 and 3
- c) 2 and 4
- d) 1 and 4
- 128) The name of India's Aircraft carrier is: [4]
  - a) INS Vikrant
- b) INS Nilgiri
- c) INS Kukri
- d) INS Himgiri
- 129) The maximum concentration of scheduled caste population is in the [4]
  - a) North East India
- b) Indo Gangetic Plains
- c) Eastern Coast
- d) Western Coast
- 130) Palghat joins which of the following states? [4]
  - a) Kerala and Tamil Nadu
  - b) Arunachal Pradesh and Sikkim
  - c) Maharashtra and Gujarat
  - d) Sikkim and West Bengal
- 131) Of the following, the river which attains its maximum flow before monsoon is: [4]
  - a) Narmada
- b) Jhelum
- Sabarmati c)
- d) Yamuna
- 132) The atomic power station in Rajasthan is situated at: [4]
  - a) Rawatbhata
- b) Pokhran
- c) Chittorgarh
- d) Suratgarh
- 133) The term Mixed Economy denotes [4]
  - a) Existence of both heavy and small industries
  - b) Existence of both developed and underdeveloped sec-
  - c) Existence of both private and public sectors
  - d) Existence of both rural and urban sectors
- 134) The three highest mountain peaks are: [4]

- a) Everest, Turish Mir, Lenin Peak
- b) Everest, Kanchanjungha, Nanda Devi
- c) Everest, Godwin Austin (K 2), Kanchanjungha
- d) Everest, Nanda Devi, Nanga Prabat
- 135) In the budget figures of the Government of India, interest payments, subsidies. pensions, social services and the like are parts of the [4]
  - a) Public Debt in the form of Capital Expenditure
  - b) Non plan Expenditure
  - c) Plan Expenditure
  - d) State Government Expenditure
- 136) The Government has renamed NREGA scheme and the name associated with the scheme is that of [4]
  - a) Indira Gandhi
- b) Jawahar Lal Nehru
- c) Mahatma Gandhi
- d) Rajiv Gandhi
- 137) After which one of the following tribes of India, has a large contingent of the ancient geological history of the world been named? [4]
  - a) Marias
- b) Santhals

c) Bhils

- d) Gonds
- 138) Which one of the following is likely to be the most prevalent form of weathering in hot tropical desert areas? [4]
  - a) Biological
- b) Chemical
- c) Mechanical
- d) Leaching
- 139) A landscape that is caused due to the fissure in the earth along which one side has moved down with reference to the other is known as [4]
  - a) Rift Valley
- b) Hanging Valley
- c) U Shaped Valley
- d) V Shaped Valley
- 140) When does solar eclipse take place? [4]
  - a) When the moon is between the sun and earth
  - b) When the moon does not lie on the line joining the sun and earth
  - c) When the earth is between the moon and sun
  - d) When the sun is between the moon and earth
- 141) Which of the following country/countries successfully inserted a spacecraft into Mars' orbit by maiden attempt? [4]
  - a) The USA and Russia
- b) India
- c) China
- d) The USA
- 142) Schemes run under the National Rural Employment Guarantee Act are sponsored (NREGA). [4]
  - a) On public private partnership basis

- b) By Centre, State and Panchayat bodies together
- c) Partly by the Central Government and partly by the State Government
- d) By the Central Government alone
- 143) A high level committee set up by the Ministry of Housing and Urban Poverty Alleviation, conducted a survey of the slum populations in India's states. Which one among the following states was identified as being the one with highest slum population? [4]
  - a) Andhra Pradesh
- b) Maharashtra
- c) Tamil Nadu
- d) Madhya Pradesh
- 144) What was the code name for the Indian Air Force operations during the Kargil Conflict of 1999? [4]
  - a) Operation Meghdoot
  - b) Operation Vijay
  - c) Operation Indradhanush
  - d) Operation Safed Sagar
- 145) Who has been named as the official sponsor of the Indian contingent for the 19th Asian Games? [4]
  - a) Airtel India
- b) Jio
- c) Paytm
- d) Amul
- 146) Which country has recently approved a new constitution?
  - a) Sri Lanka
- b) Gabon
- c) Kenya
- d) Maldives
- 147) Which country has recently become the new member of the International Solar Alliance? [4]
  - a) Chile

- b) Qatar
- c) Albania
- d) Malta
- 148) With whom has the Bihar state government signed an agreement to promote the startup ecosystem? [4]
  - a) SIDBI
- b) World Bank
- c) New Develope Bank
- Development d) NITI Aayog
- 149) Who built the two advanced Triput class ships for the Indian Navy? [4]
  - a) Goa Shipyard Limited
  - b) HSL Drydock
  - c) Hindustan Shipyard Limited
  - d) Cochin Shipyard Limited
- 150) What is India's rank in the recently released Passport Index Points? [4]
  - a) 141th

b) 144th

- c) 143th
- d) 142th