

# **SOLVED PAPER 2020**

MM:300

DURATION: 2 HRS

#### INSTRUCTIONS

- 1. This question paper consists of 100 questions of 2 hrs duration.
- 2. Each guestion is of 3 marks.
- For each wrong answer, 1 mark will be deducted.

**Directions** (Q. Nos. 1-4) Each sentence in the below given questions has two blanks, each blank indicates that something has been omitted. Beneath the sentence are five words or sets of words. Choose the word or set of words for each blank that best fits into the meaning of the sentence as a whole.

- It is a well-known ...... that the lover of the sea craves for dry land, the age old ...... to be where we are not.
  - (a) belief, antipathy
- (b) anomaly, demiurge
- (c) credo, inspiration
- (d) paradox, yearning
- 2. Such stalling tactics are ...... to all fans and cannot be
  - (a) repugnant, condoned
- (b) anathema, ascertained
- (c) injurious, explained
- (d) unfair, superseded
- The ....... of democratic freedom is dialogue and the ...... interchange of diverse ideas.
  - (a) deterioration, untrammeled
  - (b) height, restrained
  - (c) essence, unhampered
  - (d) alienation, compulsory
- Although, there were ...... circumstances in this
  particular violation of the law, the judge ruled that
  there had to be strict ...... or there would be no law at
  all.
  - (a) extraordinary, complaisance
  - (b) specific, obedience
  - (c) tantalising, adherence
  - (d) extenuating, compliance

Directions (Q.Nos. 5-9) Some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error and blacken the oval [.] corresponding to the appropriate letter (a), (b), (c). If a sentence is free from error, blacken the oval corresponding to (d) in the Answer Sheet.

- I was (a)/ laying down (b)/ when the door bell rang. (c)/ No error (d)
- 6. I told the teacher (a)/ that the homework set for the day (b)/ was much too heavy for us to complete. (c)/ No error (d)
- Someone, they don't know (a)/ who knocked at (b)/ their door in midnight. (c)/ No error (d)
- Seldom if ever (a)/ nature does operate (b)/ in closed and separate compartments. (c)/ No error (d)
- Mohan leapt (a)/ on the opportunity (b)/ that came his way.
   (c)/ No error (d)

**Directions** (Q. Nos. 10-13) In these questions, four alternatives are given for the idiom/phrase. Choose the alternative which best expresses the meaning of the idiom/phrase.

- 10. A damp squib
  - (a) Rainy weather
  - (b) A disappointing result
  - (c) A skit in a laundry
  - (d) None of the above

#### 11. To smell a rat

- (a) To smell foul
- (b) To see a rat
- (c) To chase a rat
- (d) To be suspicious

#### 12. Yeoman's services

- (a) Medical help
- (b) Excellent work
- (c) Social work
- (d) Hard work

#### 13. Flippant

- (a) Highly critical
- (b) Not showing deserved respect
- (c) Casual
- (d) Indifferent

**Directions** (Q. Nos. 14<sup>1</sup>16) In these questions, you have two brief passages with 5 questions following each passage. Read the passages carefully and choose the best answer to each question out of the four alternatives.

From the world of magic, hypnosis is moving into the world of medicine. From hocus-pocus performed by men in black capes, to hypnotherapy practised by doctors in white coats. The purpose is to help people stop smoking, lose weight, overcome phobias and control pain in a variety of medical situations from childbirth to cancer.

Research laboratories are currently checking out the success rate of therapy under hypnosis, while medical journals stand by to publish the results. And the important thing is, nobody is laughing.

In the 1840's, a British doctor in Calculta created a controversy by performing over 1000 operations with hypnosis as the only anaesthesia. During the World Wars, German and British doctors used hypnosis to treat war neuroses.

#### 14. Hypnosis means

- (a) auto-suggestion
- (b) suggestion made in trance
- (c) anaesthesia
- (d) hocus-pocus
- 15. 'Nobody is laughing' at hypnotherapy now, because they are
  - (a) sad

- (b) angry,
- (c) taking it seriously
- (d) annoyed

#### 16. The purpose of hypnotherapy is to

- (a) cure patients
- (b) make life easier
- (c) carry out research
- (d) check out the success rate

Directions (Q. Nos. 17-19) In these questions, choose the word similar in meaning to the word given.

#### 17. Barren

(a) Good

- (b) Wholesome
- (c) Unproductive
- (d) Profitable

#### 18. Infamy

- (a) Notoriety
- (b) Glory
- (c) Integrity
- (d) Familiarity

#### 19. Intrepid

- (a) Hesitant
- (b) Fearless
- (c) Extrovert
- (d) Rash

Directions (Q. Nos. 20-22) Choose the word opposite in meaning to the word given.

#### 20. Compassionate

- (a) Unlawful
- (b) Heartless
- (c) Untrustworthy
- (d) Indecisive

#### 21. Tasty

- (a) Delicious
- (b) Insipid
- (c) Appetising
- (d) Palatable

#### 22. Triumph

(a) Defeat

- (b) Victory
- (c) Success
- (d) Subjugation

**Directions** (Q. Nos. 23-25) Fill up the blanks in the passage given below with the most appropriate word from the options given for each blank.

At the time, the White House was as serene as a resort hotel out of season. The corridors were ...(23)... in the various offices. ...(24)... gray men on waistcoats talked to one another in low-pitched voices. The only colour or choler, curiously enough, was provided by President Eisenhower himself. Apparently, his ...(25)... was easily set off; he scowled when he paced the corridors.

- 23. (a) striking
- (b) hollow
- (c) empty
- (d) white
- 24. (a) Quiet

(b) Faded

- (c) Loud
- (d) Stentorian
- 25. (a) laughter
- (b) curiosity
- (c) humour
- (d) temper
- 26. 'Vikalp' is a scheme launched by Indian Railways to help wait-listed passengers. Which of the following is not true about this scheme?
  - (a) Confirmed berths in alternate trains
  - (b) No-extra charges will be taken from passengers
  - (c) Wait-listed passengers can avail opportunity of travelling Rajdhani/Shatabdi/Special trains even when booking made is in other mail/express trains
  - (d) Vikalp scheme will be initially available for e-tickets only

#### 27. Who discovered the Cholera causing germ?

- (a) Filippo Pacini
- (b) Robert Koch
- (c) M Laveran
- (d) Felix Hoffman

#### 28. Match the following

	List I		List II						
A.	Mithali Raj	1.	Hockey						
В.	Poonam Rani	2.	3000 m Steeplechases						
C.	Lalita Babar	3.	Cricket						

#### Codes

	Α	В	С	Α	В	С
(a)	3	2	1	(b) 1	2	3
(c)	1	3	2	(d) 3	1	2

- 29. Who is the author of the book titled Citizen and Society?
  - (a) Pranab Mukherjee
- (b) Hamid Ansari
- (c) Nandan Nilekani
- (d) Satyajit Ray
- 30. With which country India has recently signed a MoU for water conservation in India?
  - (a) France
- (b) Germany

(c) Israel

- (d) Bangladesh
- 31. Who built the Vijay Stambha Tower of victory in Chittorgarh?
  - (a) Maharana Pratap
- (b) Rana Kumbha
- (c) Rana Sanga
- (d) Kunwar Durian Singh
- 32. Who raised the slogan 'Swaraj is my birthright and I shall have it'?
  - (a) Mahatma Gandhi
  - (b) Subhash Chandra Bose
  - (c) Bal Gangadhar Tilak
  - (d) Lala Lajpat Rai
- 33. Auxiliary bud develops into which of the following part of the plant?
  - (a) Fruit

- (b) Leaf
- (c) Branch
- (d) Roots
- 34. Xylem helps in transportation of which of the following?
  - (a) Food
  - (b) Water
  - (c) Nutrients
  - (d) Both food and water
- 35. Match the following

	<b>List I</b> (Revolution)		List II (Leader)
A.	Green Revolution	1.	Durgesh Patel
B.	White Revolution	2.	MS Swaminathan
C.	Pink Revolution	3.	Verahese Kurien

#### Codes

	Α	В	С		Α	В	С
(a)	3	2	1	(b)	2	3	1
(c)	1	2	3	(d)	1	3	. 2

- 36. Who shot dead John Saunders on
  - 17th December, 1927?
  - (a) Bhagat Singh
  - (b) Mangal Pandey
  - (c) Sukhdev
  - (d) Bipin Chandra Pal Singh

- 37. Sardar Vallabhbhai Patel was the leader of .......
  - (a) Bhoodan Movement
  - (b) Rowlatt Satyagraha
  - (c) Bardoli Satyagraha
  - (d) Swadeshi Movement
- 38. Who amidst the following is a distinguished painter?
  - (a) Uday Shankar
  - (b) Sonal Mansingh
  - (c) Amrita Shergill
  - (d) Yamini Kirshnamurthy
- 39. Who among the following was awarded with Padma Shri 2017 in the field of Sports Hockey?
  - (a) Sardar Singh
- (b) PR Shreejesh
- (c) Ramandeep Singh
- (d) Yuvraj Walmiki
- 40. Which of the following is the largest gland in human body?
  - (a) Thyroid
- (b) Liver

(c) Kidney

- (d) Pancreas
- 41. On which principle does the hydraulic lift works?
  - (a) Newton's law
- (b) Pascal's law
- (c) Archimede's law
- (d) Joule's law
- 42. At what temperature (in degree celsius), the numerical values on Celsius and Fahrenheit scales become equal?
  - (a) -40

(b) 40

(c) 273

- (d) -273
- 43. In MICR, what does 'I' stands for?
  - (a) Interactive
- (b) Information

(c) lnk

- (d) Instruction
- **44.** What is the process of conversion of solid state directly to gaseous state called?
  - (a) Evaporation
- (b) Condensation
- (c) Sublimation
- (d) Distillation
- **45.** Which of the following is an Indian military decoration awarded for valour, courageous action or self-sacrifice away from the battlefield?
  - (a) Ashok Chakra
  - (b) Dada Saheb Phalke Awards
  - (c) Arjuna Award
  - (d) Padma Shri
- 46. Which nation will host the FIFA Men's World Cup to be held in the year 2018?
  - (a) Japan

(b) South Korea

(c) China

- (d) Russia
- 47. In Microsoft Word, ...... allows us to move selected paragraphs to the right.
  - (a) decrease indent
- (b) increase indent
- (c) double indent
- (d) single indent
- 48. Blue Vitriol is another name for which of the following?
  - (a) Copper sulphate
- (b) Oxygen
- (c) Copper
- (d) Magnesium oxide

49. ..... scheme by the Central Government will strength

	the bond between all the star India. (a) Uday Desh Ka Aam Nagrik (b) Urja Ganga (c) Ek Bharat Shrestha Bharat (d) Namami Ganga Yojana	te, regions and products of
50.	The Union Government on 2 whom as the new Lieutenar Territory (UT) of Puducherry (a) Kiran Bedi (c) Ram Naik	nt Governor of the Union y? (b) Kalyan Singh
<b>~</b> 4	• •	(d) Mukul Sangma
51.	Choose the word which is diff (a) Leo (c) Libra	ferent from the other (b) Equator (d) Cancer
elec	ections (Q. Nos. 52-55) I et the related letter/word n alternatives.	
52.	Cataract : Eye : : Pneumonia (a) Brain	(b) Ear
53.	(c) Lungs TTT: 777: RRR:? (a) 555 (c) 888	(d) Nerves and Limbs (b) 666
<b>54</b> .	YAD: NUS::?:NOOM (a) NTHIG (c) GHTIN	(d) 999 (b) Higin (d) Thgin
55.	7:24::? (a) 30:100 (c) 19:58	(b) 23 : 72 (d) 11 : 43
56.	Akbar is standing facing Easturned left and walked 25 m. walked 10 m. Again, he turn How far is he from his origina (a) 15 m.	Then, he turned right and ed right and walked 25 m.
57.	If in a certain code, TWENT ELEVEN is written as 323039 in that code?	), how is TWELVE written
	(a) 863203 (c) 863903	(b) 863584 (d) 863063
58.	If the 25th of August in a yea of Mondays in that month is (a) 3 (c) 5	r is Thursday, the number (b) 4 (d) 6
59.	When coded OPTRRE reads way, what does the following EROPTR	as PORTER. In the same
	(a) ROPE (c) PORT	(b) PROPER (d) REPORT

Direction (Q. No. 60) Two statements are given below followed by two Conclusions I and II. You have to consider statements to be true even, if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements. Indicate your answer.

60. Statements No man is a donkey. Rahul is a man. Conclusions I. Rahul is not a donkey.

II. All men are not Rahul.

- (a) Only I follows
- (b) Only il foliows
- (c) Both follow
- (d) Neither I nor II follows

**Direction** (Q. Nos. 61) Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

- 61. ab d aaba na badna b
  - (a) andaa
- (b) babda ·

(c) badna

- (d) dbanb
- **62.** Below two positions of a dice are shown. What will be on opposite of the face at which 1 is written?





- (a) 2
- (c) 4

- (b) 3 (**d**) 1
- 63. A statement with two assumptions are given followed by four alternatives. Select the one which is most appropriate. Statement Nobody can predict as to how long our country would take to contain the unfortunate and disastrous terrorist activities.

#### Assumptions

- I. It is impossible to put on end to terrorist activities.
- II. Efforts to control the terrorist activities are on.
- (a) Only I
- (b) Only II
- (c) Either I or II
- (d) Neither I nor II
- **64.** A statement with two conclusions are given followed by four alternatives. Select the one alternative which is the most appropriate.

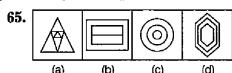
Statement No country is absolutely self-dependent these days.

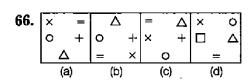
#### Conclusions

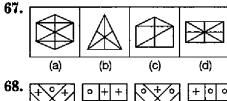
- I. It is impossible to grow and produce all that a country needs.
- II. Countrymen in general have become lazy.
- (a) Only I

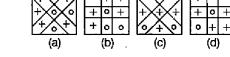
- (b) Only II
- (c) Either I or II
- (d) Neither I nor II

**Direction** (Q. Nos. 65-68) Select the odd figure from the given responses.





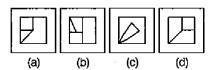




#### 69. Question Figure



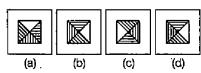
#### **Answer Figures**



70. Question Figure



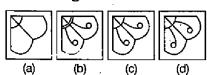
#### **Answer Figures**



## 71. Question Figure



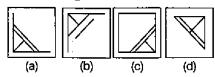
#### **Answer Figures**



#### 72. Question Figure



#### **Answer Figures**

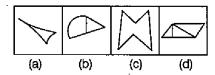


73. Which of the answer figures is embedded in the question figure?

#### **Question Figure**



#### **Answer Figures**

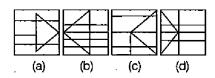


74. From the given answer figures, select the one in which the question figure is hidden/ embedded.

#### **Question Figure**



#### **Answer Figures**

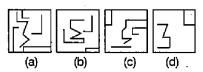


75. From the given answer figures, select the one in which the question figure is hidden/embedded.

#### **Question Figure**



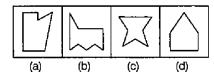
#### **Answer Figures**



## 76. Question Figure



#### **Answer Figures**

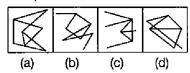


77. From the given answer figures, select the one in which the question figure is hidden/embedded.

#### Question Figure

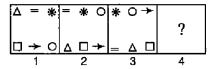


#### **Answer Figures**

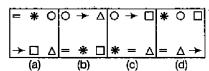


**Directions** (Q.Nos. 78-79) In each of the following questions, which answer figure will come next in the series of question figures.

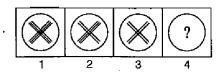
#### 78. Question Figures



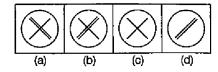
### **Answer Figures**



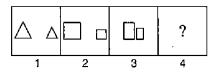
#### 79. Question Figures



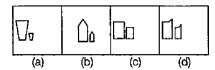
#### **Answer Figures**



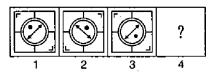
#### 80. Question Figures



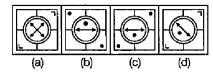
#### **Answer Figures**



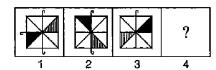
#### **81. Question Figures**



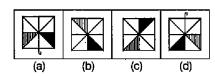
#### **Answer Figures**



#### 82. Question Figures



## **Answer Figures**



83. Out of the given responses, one of the factors of  $x^3 - 3x^2 + 3x + 7$  is

(a) 
$$x^2 - 4x + 7$$

(b) 
$$x^2 + 4x + 7$$
  
(c)  $x^2 + 4x - 7$ 

(c) 
$$x^2 + 4x - 7$$

(d) 
$$x^2 - 4x - 7$$

- **84.** If n is even,  $(6^n 1)$  is divisible by
  - (a) 37

(b) 35

(c) 30

(d) 6

- 85. Ramesh bought 10 cycles for ₹ 500 each. He spent ₹ 2000 on the repair of all cycles. He sold five of them for ₹750 each and the remaining for ₹ 550 each. Then, the total gain or loss% is
  - (a) Gain of  $8\frac{1}{3}\%$

(b) Loss of  $8\frac{1}{3}\%$ (d) Loss of  $7\frac{1}{7}\%$ 

(c) Gain of  $7\frac{2}{3}$ %

- 86. Two trains of equal length are running on parallel lines in the same direction at 46 km/h and 36 km/h. The faster train passes, the slower train in 36 s. The length of each train is
  - (a) 82 m

(b) 50 m

(c) 80 m

- (d) 72 m
- 87. Two trains start from a certain place on two parallel tracks in the same direction. The speed of the trains are 45 km/h and 40 km/h, respectively. The distance between the two trains after 45 min will be
  - (a) 2 km 500 m
- (b) 2 km 750 m
- (c) 3 km 750 m
- (d) 3 km 250 m
- **88.** A, B and C can complete a work in 2 h. If A does the job alone in 6 h and B in 5 h, how long will it take for C to finish the job alone?
  - (a)  $5\frac{1}{2}$  h

(b)  $7\frac{1}{2}$  h

(c) 9 h

- (d)  $4\frac{1}{2}h$
- 89. ₹6000 becomes ₹7200 in 4 yr at a certain rate of simple interest. If the rate becomes 1.5 times of itself, the amount of the same principal in 5 yr will be
  - (a) ₹8000
- (b) ₹8250
- (c) ₹9250
- (d) ₹9000
- **90.** A can do a work in 20 days and B in 40 days. If they work on it together for 5 days. Then, the fraction of the work that left is
  - (a)  $\frac{5}{8}$

(b)  $\frac{8}{18}$ 

(c)  $\frac{7}{15}$ 

- (d)  $\frac{1}{10}$
- 91. A car driver leaves Bengaluru at 8:30 am and expects to reach a place 300 km from Bengaluru at 12:30 pm at 10:30 he finds that he has covered only 40% of the distance. By how much he has to increase the speed of the car in order to keep up his schedule?
  - (a) 45 km/h
- (b) 40 km/h
- (c) 35 km/h
- (d) 30 km/h
- 92. The average monthly expenditure of a family for the first four months is ₹2570, for the next three months is ₹2490 and for the last five months is ₹3030. If the

family saves ₹ 5320 during the whole year, then the average monthly income of the family during the year is

- (a) ₹ 3000
- (b) ₹3185

(c) ₹ 3200

- (d) ₹3580
- 93. The sum of two numbers is 24 and their product is 143. The sum of their squares is
  - (a) 296

(b) 295

(c) 290

- (d) 228
- **94.**  $\sqrt[3]{\sqrt{0.000064}}$  is equal to
  - (a) 0.0002
- (b) 0.002

(c) 0.02

- (d) 0.2
- 95. A box filled with paper bundles weighs 36 kg. If the weight of the box and paper bundles respectively are in the ratio of 3: 22, then the weight of the papers (in g) is
  - (a) 30680
- (b) 30710
- (c) 31500
- (d) 31680
- 96. The LCM of two numbers is 520 and their HCF is 4. If one of the numbers is 52, then the other number is
  - (a) 40

(b) 42

(c) 50

- (d) 52
- 97. Weight of a bucket when filled fully with water is 17 kg. If the weight of the bucket when half filled with water is 13.5 kg, what is the weight of empty bucket?
  - (a) 12 kg

(b) 8 kg

(c) 10 kg

- (d) 7 kg
- 98. In a fixed time, a boy swims double the distance along the current that he swims against the current. If the speed of the current is 3 km/h, then find the rate of swimming in still water
  - (a) 6 km/h ·
- (b) 9 km/h
- (c) 10 km/h
- (d) 12 km/h
- 99. A boat goes 40 km upstream in 8 h and 36 km downstream in 6 h. The speed of the boat in still water is
  - (a) 6.5 km/h
- (b) 5.5 km/h
- (c) 6 km/h
- (d) 5 km/h
- **100.** If  $a^2 + b^2 + 2b + 4a + 5 = 0$ , then the value of  $\frac{a-b}{a+b}$  is
  - (a) 3

(b) -

(c)  $\frac{1}{3}$ 

(d)  $-\frac{1}{3}$ 

## **Answers**

1.	(d)	2.	(a)	3.	(c)	4.	(d)	5.	(b)	6.	(c)	7.	(c)	8.	(b)	9.	(b)	10.	(b)
11.	(d)	12.	(b)	13.	(c)	14.	(b)	15.	(c)	16.	(b)	17.	(c)	18.	(a)	19.	(b)	20.	(b)
21.	(p).	22.	(a)	23.	(c)	24.	(a)	25.	(d)	26.	(a)	27.	(a)	28.	(d)	29.	(b)	30.	(c)
31.	(b)	32.	(c)	33.	(c)	34.	(b)	35.	(b)	.36.	(a)	37.	(c)	38.	(c)	39.	(b)	40.	(b)
41.	(b)	42.	(a)	43.	(c)	44.	(c)	45.	(a)	46.	(d)	47.	(b)	48.	(a)	49.	(c)	50.	(a)
51.	(b)	52.	(c)	53.	(d)	54.	(d)	55.	(b)	56.	(c)	57.	(a)	58.	(c)	59.	(d)	60.	(a)
61.	(a)	62.	(a)	63.	(b)	64.	(a)	65.	(b)	66.	(d)	67.	(c)	68.	(c)	69.	(a)	70.	(b)
71.	(c)	72.	(b)	73.	(c)	74.	(b)	75.	(a)	76.	(c)	77.	(d)	78.	(c)	79.	(b)	80.	(b)
81.	(d)	82.	(b)	83.	(a)	84.	(b)	85.	(d)	86.	(b)	87.	(c)	88.	(b)	89.	(b)	90.	(a)
91.	(d)	92.	(b)	93.	(c)	94.	(d)	95.	(d)	96.	(a)	97.	(c)	98.	(b)	99.	(b)	100.	(c)

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