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## KMAT Kerala 2018 Question Paper with Solution

Kerala Management Entrance Test (KMAT)

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## KMAT KERALA ENTRANCE EXAMINATION 2018 FOR MBA COURSE

Date of Examination: 04.02.2018

Duration of Examination: 2.30hrs

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**[Instructions to the candidates. Read carefully before opening the booklet.]**

- ❖ The examinations will start at 10.00 AM and will be up to 12.30 PM
- ❖ Occupy your seat 30 minutes before the scheduled start of the examination.
- ❖ Candidates will not be admitted after 30 minutes of the scheduled start of the examination and will not be allowed to leave the hall till the end of the examination.
- ❖ The Hall ticket should be presented for verification and the candidate should sign the Attendance Sheet when directed to do so by the Invigilator.
- ❖ Put your Signature in the space provided in the Hall ticket in front of the invigilator.
- ❖ Candidates should use ball-point pen (blue or black colour ink only) for the examination. Calculator/ Log Tables/ Electronic Communication devices, in any form, will not be allowed. Pencil/Eraser is also not permitted.
- ❖ Select and mark the most probable response in the appropriate box of the OMR Sheet.
- ❖ Each correct response will be awarded four (4) marks. Wrong answer will be awarded one negative mark. More than one response will be valued as multiple response and will carry one negative mark.
- ❖ Candidates are under the disciplinary control of the Chief Superintendent of the Venue. Any candidate, if found guilty of improper conduct during the examination, will be disqualified.
- ❖ At the end of the examination, candidate should hand over the OMR answer sheet to the Invigilator. The candidates are entitled to take back the duplicate of the OMR sheet. The Invigilator will separate the Answer Sheet along the perforation in the presence of the candidate.
- ❖ Candidates are advised to preserve the Admit Card till admission to the course(s) is over.
- ❖ Candidature in the Entrance examination is purely provisional and the eligibility for admission will be subject to satisfying the criteria specified in the University Regulations, as per the AICTE norms.
- ❖ The answer key will be published in the ASC website; [www.asckerala.org/ANSWERKEY](http://www.asckerala.org/ANSWERKEY), on 04.02.2018. Objections can be raised up to 07.02.2018, 05.00 pm. Clearance of the objections, if any, will be completed on or before 09.02.2018. **The result will be announced on 15.02.2018, 5.00 PM** and will be in the above website of ASC under link **RESULT**.
- ❖ All admissions shall be subject to the final approval of the Admission Supervisory Committee and such an approved list alone shall be sent to the respective Universities for registration of the admitted candidates.
- ❖ Mobile phones and other Electronic Communication devices are banned in the premises of the Examination centre.
- ❖ Use the blank space provided at the end of the question booklet for rough work.

**Sd/-**

Manager

Admission Supervisory Committee

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## SECTION 1- ENGLISH LANGUAGE USAGE AND READING

### COMPREHENSION. (50 questions)

**Direction (for Q.No.1-5): Identify the misspelled word in the list below:**

1.

- a) Hemorrhage
- b) Harrass
- c) Handkerchief
- d) Hypocrisy

2.

- a) Occasion
- b) Occurrence
- c) Orangutan
- d) Opponent

3.

- a) Quixotic
- b) Quite
- c) Questionnaire
- d) Quarantine

4.

- a) Rhythmical
- b) Reminiscence
- c) Rhumatism
- d) Reservoir

5.

- a) Fluorescent
- b) Fulfill
- c) Fascimile
- d) Fictitious

**Direction (for Q.No.6-15):**

**Identify the word that has the same meaning in the list given below:**

**6. Recuperate**

- a) Rehabilitate
- b) Recover
- c) Reimburse
- d) Relocate

**7. Augury**

- a) Prophecy
- b) Astronomy
- c) Intention
- d) Future

**8. Dialectic**

- a) Argumentative
- b) Instructive
- c) Constructive
- d) Destructive

**9. Disparage**

- a) Scatter
- b) Discriminate
- c) Belittle
- d) Waste

**10. Fugitive**

- a) Escaping
- b) Enduring
- c) Vain
- d) Weak

**11. Goad**

- a) Sooth
- b) Save
- c) Irritate
- d) Worship

**12. Imperceptible**

- a) Mean
- b) Obvious
- c) Humble
- d) Subtle



13. Wretched  
a) Poor  
b) Foolish  
c) Insane  
d) Strained

14. Abstruse  
a) Awful  
b) Irrelevant  
c) Shallow  
d) Profound

15. Foment  
a) Extirpate  
b) Provoke  
c) Isolation  
d) Abrasion

**Direction (for Q.No.16-20):**

**Identify the word that has opposite meaning in the list given below:**

16. Relinquish  
a) Abdicate  
b) Renounce  
c) Possess  
d) Deny

17. Quiescent  
a) Active  
b) Dormant  
c) Weak  
d) Unconcerned

18. Obscure  
a) Implicit  
b) Obnoxious  
c) Explicit  
d) Pedantic

19. Loquacious  
a) Reticent  
b) Talkative  
c) Garrulous  
d) Verbose

20. Impasse

- a) Resurgence
- b) Breakthrough
- c) Continuation
- d) Combination

**Direction (for Q.No.21-25) :**

**In the following questions, each passage consists of six sentences. The first and the sixth sentence (as S1 and S6) are given in the beginning. The middle four sentences in each have been removed and jumbled up. These are labeled as P, Q, R and S. You are required to find out the proper sequence of the four sentences and mark accordingly on the answer sheet.**

- 21.** S1: Smoke oozed up between the planks.  
S6: Most people bore the shock bravely.

P: Passengers were told to be ready to quit the ship.

Q: The rising gale fanned the smouldering fire.

R: Everyone now knew there was fire on board.

S: Flames broke out here and there.

The proper sequence should be

- a) RSQP
- b) PQRS
- c) SQPR
- d) QSRP

- 22.** S1: Ants eat worms, centipedes and spiders.

S6: Some jump, and some give out a pungent repellent substance.

P: They are usually much quicker than the ant itself.

Q: Nevertheless, these animals do not make easy game for ants.

R: Besides, they have an extraordinary number of ways of escaping.

S: They also eat larvae and insect adults such as flies, moths and spring tails.

The proper sequence should be

- a) SQPR
- b) SPRQ
- c) SQRP
- d) SRQP

**23.** S1: While talking to a group, one should feel self-confident and courageous.

S6: Any man can develop his capacity if he has the desire to do so.

P: Nor is it a gift bestowed by providence on only a few.

Q: One should also learn how to think calmly and clearly.

R: It is like the ability to play golf.

S: It is not as difficult as most men imagine

The proper sequence should be

a) SQPR

b) QSPR

c) QRSP

d) RSQP

**24.** S1: I keep on flapping my big ears all day.

S6: Am I not a smart, intelligent elephant?

P: They also fear that I will flip them all away.

Q: But children wonder why I flap them so.

R: I flap them so to make sure they are safely there on either side of my head.

S: But I know what I am doing.

The proper sequence should be

a) SRQP

b) QPSR

c) QPRS

d) PSRQ

**25.** S1: Politeness is not a quality possessed by only one nation or race.

S6: In any case, we should not mock at others' habits.

P: One may observe that a man of one nation will remove his hat or fold his hands by way of greetings when he meets someone he knows.

Q: A man of another country will not do so.

R: It is a quality to be found among all peoples and nations in every corner of the earth.

S: Obviously, each person follows the custom of his particular country.



The Proper sequence should be:

- a) RPQS
- b) RPSQ
- c) PRQS
- d) QPRS

**Direction (for Q.No.26-30):**

**You are required to convert the sentence given in the questions into indirect speech.**

**26.** "Are you alone, my son?" asked a soft voice close behind me.

- a) A soft voice asked that what I was doing there alone.
- b) A soft voice said to me are you alone son.
- c) A soft voice from my back asked If I was alone.
- d) A soft voice behind me asked If I was alone.

**27.** The little girl said to her mother, "Did the sun rise in the East?"

- a) The little girl said to her mother that the sun rose in the East.
- b) The little girl asked her mother if the sun rose in the East.
- c) The little girl said to her mother if the sun rises in the East.
- d) The little girl asked her mother if the sun is in the East.

**28.** My cousin said, "My room-mate had snored throughout the night."

- a) My cousin said that her room-mate snored throughout the night.
- b) My cousin told me that her room-mate snored throughout the night.
- c) My cousin complained to me that her room-mate is snoring throughout the night.
- d) My cousin felt that her room-mate may be snoring throughout the night.

**29.** "Please don't go away", she said.

- a) She said to please her and not go away.
- b) She told me to go away.
- c) She begged me not to go away.
- d) She begged that I not go away.

**30.** I said to him, "Why are you working so hard?"

- a) I asked him why he was working so hard.
- b) I asked him why was he working so hard.
- c) I asked him why had he been working so hard.
- d) I asked him why he had been working so hard.



**Direction (for Q.No.31-40):**

**Read the following passages and answer the questions that follow:**

**Passage I**

Speech is great blessings but it can also be great curse, for while it helps us to make our intentions and desires known to our fellows, it can also, if we use it carelessly, make our attitude completely misunderstood. A slip of the tongue, the use of unusual word, or of an ambiguous word, and so on, may create an enemy where we had hoped to win a friend. Again, different classes of people use different vocabularies, and the ordinary speech of an educated may strike an uneducated listener as pompous. Unwittingly, we may use a word which bears a different meaning to our listener from what it does to men of our own class. Thus speech is not a gift to use lightly without thought, but one which demands careful handling. Only a fool will express himself alike to all kinds and conditions of men.

31. The best way to win a friend is to avoid
- irony in speech
  - pomposity in speech
  - verbosity in speech
  - ambiguity in speech
32. While talking to an uneducated person, we should use
- ordinary speech
  - his vocabulary
  - simple words
  - polite language
33. If one used the same style of language with everyone, one would sound
- flat
  - boring
  - foolish
  - democratic
34. A 'slip of the tongue' means something said
- wrongly by choice
  - unintentionally
  - without giving proper thought
  - to hurt another person
35. Speech can be curse, because it can
- hurt others
  - lead to carelessness
  - create misunderstanding
  - reveal our intentions



## Passage II

Many sociologists have argued that there is functional relationship between education and economic system. They point to the fact that mass formal education began in industrial society. They note that the expansion of the economies of industrial societies is accompanied by a corresponding expansion of their educational systems. They explain this correspondence in terms of the needs of industry for skilled and trained manpower, needs which are met by the educational system. Thus, the provision of mass elementary education in Britain in 1870 can be seen as a response to the needs of industry for a literate and numerate workforce at a time when industrial processes were becoming more complex and the demand for technical skills was steadily growing.

- 36.** The industry needs a literate work force because
- its expansion needs sound learning
  - it relies heavily on expertise
  - it promotes a competitive spirit
  - its operations need intricate technical knowledge
- 37.** The author argues that
- formal education can be traced to industrial society
  - industrial society is responsible for expansion of education at mass level
  - industrial society gave rise to vocational education
  - industrial society changed the pattern of education
- 38.** The observation of the sociologists are based on a study of
- the statistical data available in a historical context
  - economic system of the 19th century
  - the correlation between industry and education in a historical context
  - growth of industry in 19th century
- 39.** The sociologists referred to in the passage say that the relationship between industry and elementary education was one
- based on mutual need
  - based entirely on the need of the industry
  - based entirely on economic need
  - based on some inexplicable historical forces
- 40.** By 'functional relationship' is meant
- a short-term relationship
  - practical and utilitarian relationship
  - temporary arrangement
  - close and unbreakable relationship

**Direction (for Q.No.41-45):**

**Identify the sentence with the same meaning.**

**41.** Go to bed immediately or you can't get up early tomorrow.

- a) If you didn't go to bed immediately you couldn't get up early tomorrow.
- b) If you went to bed immediately you could get up early tomorrow.
- c) If you don't go to bed immediately you can't get up early tomorrow.
- d) If you go to bed immediately you can't get up early tomorrow.

**42.** We didn't recognize him until he came into the light.

- a) It was not until we recognized him that he comes into the light.
- b) It was not until he came into the light that we recognized him.
- c) It was not until we didn't recognize him that he came into the light.
- d) It was not until he came into the light that we didn't recognize him.

**43.** He didn't work hard, so he failed the exam.

- a) If he hadn't worked hard, he would have failed the exam.
- b) He wouldn't have failed the exam, if he had worked hard.
- c) If he worked hard, he wouldn't fail the exam.
- d) He hadn't failed the exam, if he would have worked hard.

**44.** It rains so we can't go to school.

- a) If it rains, I could go to school.
- b) If it didn't rain, I could go to school.
- c) If it not rain, I could go to school.
- d) If it rains, I can go to school.

**45.** He asked me how I earned my living.

- a) He wanted to know what my job was.
- b) He wanted to know how I lived.
- c) He wanted to know how I enjoyed my life.
- d) He wanted to know how much I got for a salary.



**Direction (for Q.No.46-50):**

**In questions given below, out of four alternatives, choose the one which can be substituted for the given words/sentence.**

**46. One who studies the pattern of voting in election**

- a) Anthropologist
- b) Cartographer
- c) Lexicographer
- d) Psephologist

**47. One who has little faith in human sincerity and goodness**

- a) Egoist
- b) Fatalist
- c) Stoic
- d) Cynic

**48. Habitually silent or talking little**

- a) Servile
- b) Unequivocal
- c) Taciturn
- d) Synoptic

**49. Medical study of skin and its diseases**

- a) Dermatology
- b) Endocrinology
- c) Genealogy
- d) Orthopedics

**50. A disease of mind causing an uncontrollable desire to steal**

- a) Schizophrenia
- b) Claustrophobia
- c) Kleptomania
- d) Megalomania



## **SECTION 2-QUANTITATIVE APTITUDE (50 questions)**

**Directions : ( for Q.No.51-100)**

**For each of the following questions, select the choice that best answers the question or completes the statement.**

**51.** The greatest number of four digits which is divisible by 15,25,40,75 is :

- a) 9000
- b) 9400
- c) 9600
- d) 9800

**52.** If  $a=0.1039$ , then the value of  $4a^2-4a+1+3a$  is:

- a) 0.1039
- b) 0.2078
- c) 1.1039
- d) 2.1039

**53.** The product of two numbers is 9375 and the quotient, when the larger one is divided by the smaller, is 15. The sum of the numbers is :

- a) 380
- b) 395
- c) 400
- d) 425

**54.** Present ages of Sameer and Anand are in the ratio of 5:4 respectively. Three years hence, the ratio of their ages will become 11:9 respectively. What is Anand's present age in years?

- a) 24
- b) 27
- c) 40
- d) 43

**55.** Some articles were bought at 6 articles for Rs.5 and sold at 5 articles for Rs.6. Gain percent is:

- a) 30%
- b) 33.3%
- c) 35%
- d) 44%

- 56.** Mr. Thomos invested an amount of Rs.13, 900 divided in two different schemes A and B at the simple interest rate of 14% p.a and 11% p.a respectively. If the total amount of simple interest earned in 2 years be Rs.3508, what was the amount invested in scheme B?
- Rs.6400
  - Rs.6500
  - Rs.7200
  - Rs.7500
- 57.** A, B, C subscribe Rs. 50,000 for a business. A subscribes Rs. 4000 more than B and B Rs. 5000 more than C. Out of a total profit of Rs. 35,000, A receives
- Rs. 8,400
  - Rs. 11,900
  - Rs. 13,600
  - Rs. 14,700
- 58.** The true discount on a bill due 9 months hence at 16% per annum is Rs.189.The amount of the bill is:
- Rs.1386
  - Rs.1764
  - Rs.1575
  - Rs.2268
- 59.** The Captain of a cricket team of 11 members is 26 years old and the wicket keeper is 3 years older. If the ages of these two are excluded, the average age of the remaining players is one year less than the average age of the whole team. What is the average age of the team?
- 23 years
  - 24 years
  - 25 years
  - None of these
- 60.** Three partners shared the profit in a business in the ratio of 5:7:8.They had partnered for 14 months,8 months and 7 months respectively. What was the ratio of their investment?
- 5:7:8
  - 20:49:64
  - 38:28:21
  - None of the above

61. Ten women can complete a work in 7 days and ten children take 14 days to complete the work. How many days will five women and ten children take to complete the work?
- a) 3
  - b) 5
  - c) 7
  - d) 9
62. The salaries of A, B and C are in the ratio 1:3:4. If the salaries are increased by 5%, 10% and 15% respectively, then the increased salaries will be in the ratio
- a) 20:66:95
  - b) 21:66:96
  - c) 21:66:92
  - d) 19:66:92
63. A train 240 m long passes a pole in 24 seconds. How long will it take to pass a platform 650 m long?
- a) 65 sec
  - b) 89 sec
  - c) 100 sec
  - d) 150 sec
64. A cistern has a leak which would empty the cistern in 20 minutes. A tap is turned on which admits 4 liters a minute into the cistern, and it is emptied in 24 minutes. How many liters does the cistern hold?
- a) 360 lit
  - b) 480 lit
  - c) 320 lit
  - d) 420 lit
65. Compound interest earned on a sum for the second and the third years are Rs.1200 and Rs.1440 respectively. Find the rate of interest?
- a) 20 % p.a
  - b) 15 % p.a
  - c) 18 % p.a
  - d) 24 % p.a



66. A certain sum of money is invested for one year at a certain rate of simple interest. If the rate of interest is 3% higher, then the interest earned will be 25% more than the interest earned earlier. What is the earlier rate of interest?
- a) 4 % p.a  
b) 6 % p.a  
c) 8 % p.a  
d) 12 % p.a
67. A person takes 20 minutes more to cover a certain distance by decreasing his speed by 20%. What is the time taken to cover the distance at his original speed ?
- a) 1 hr  
b) 1 hr 20 min  
c) 1 hr 10 min  
d) 50 min
68. Calculate the number of bricks, each measuring 25 cm X 15 cm X 8 cm required to construct a wall of dimension of 10 m X 4 m X 5 m when 10% of its volume is occupied by concrete?
- a) 6000  
b) 5400  
c) 3800  
d) 4700
69. Arun purchased 30 Kg of wheat at the rate of Rs.11.50 per Kg and 20 Kg of wheat at the rate of 14.25 per Kg. He mixed the two and sold the mixture. Approximately at what price per Kg should the mixture be sold to make 30% profit?
- a) Rs.17.80  
b) Rs.16.40  
c) Rs.14  
d) Rs.15.40



**70.** The average mark of four subjects is 120. If 33 was misread as 13 during the calculation, what will be the correct average?

- a) 122
- b) 120
- c) 125
- d) 121

**71.** Simplify the following equation:

$$2003 \times 2004 - 2001 \times 2002 = ?$$

- a) 8010
- b) 8020
- c) 8030
- d) 8040

**72.** Find the least number with which 16200 should be multiplied, to make it a perfect cube?

- a) 45
- b) 48
- c) 360
- d) 36

**73.** Ravi and Ajay start simultaneously from a place A towards B 60 km apart. Ravi's speed is 4km/h less than that of Ajay. Ajay, after reaching B, turns back and meets Ravi at a place 12 km away from B. Ravi's speed is:

- a) 12 km/h
- b) 10 km/h
- c) 8 km/h
- d) 6 km/h

**74.** The angle between the minute hand and the hour hand of a clock when the time is 4.20 is:

- a)  $0^\circ$
- b)  $10^\circ$
- c)  $5^\circ$
- d)  $20^\circ$

75. The diagonal of the floor of a rectangle closet is 7.5 m. The shorter side of the closet is 4.5 m. What is the area of the closet in square meter?

- a) 37
- b) 27
- c)  $54/4$
- d)  $21/4$

76. Find the average increase rate, if increase in the population in the first year is 30% and that in the second year is 40%.

- a) 41
- b) 56
- c) 40
- d) 38

77. From a group of 7 men and 6 women, five persons are to be selected to form a committee so that at least 3 men are there on the committee. In how many ways can it be done?

- a) 564
- b) 645
- c) 735
- d) 756

78. Which of the following is the smallest?

- a)  $15/16$
- b)  $16/6$
- c)  $7/8$
- d)  $11/12$

79. If 1cm on a map corresponds to an actual distance of 40 kms and the distance on the map between Bombay and Calcutta is 37.5 cm, then the actual distance between them is :

- a) 375 kms
- b) 3750 kms
- c) 1500 kms
- d) 1375 kms

80. The numbers 34041 and 32506 when divided by a certain number of three digits, leave the same remainder. What is the number?
- a) 535
  - b) 405
  - c) 357
  - d) 307
81. A line segment is drawn from the point (3, 5) to the point (9, 13). What are the coordinates of the midpoint of this line segment?
- a) (3, 4)
  - b) (6, 8)
  - c) (9, 6)
  - d) (6, 9)
82. Ravi is standing 180 meters due north of point P. Latha is standing 240 meters due west of point P. What is the shortest distance between Ravi and Latha?
- a) 60 meters
  - b) 300 meters
  - c) 420 meters
  - d) 900 meters
83. The ratio of  $x$  to  $y$  is  $1/2$ . If the ratio of  $x + 2$  to  $y + 1$  is  $2/3$ , then what is the value of  $x$ ?
- a) 6
  - b) 4
  - c) 3
  - d) 2
84. A man and a boy received Rs. 800 as wages for 5 days for the work they did together. The man's efficiency in the work was thrice that of the boy. What are the daily wages of the boy?
- a) Rs. 76
  - b) Rs. 56
  - c) Rs. 44
  - d) Rs. 40
85. The square root of 64009 is :
- a) 253
  - b) 347
  - c) 363
  - d) 803



86. 4.036 divided by 0.04 gives:
- 1.009
  - 10.09
  - 100.9
  - None of these
87. What decimal of an hour is second?
- 0.0025
  - 0.0256
  - 0.00027
  - 0.000126
88. The sum of two number is 25 and their difference is 13. Find their product.
- 104
  - 114
  - 315
  - 325
89. The length of a rectangle is halved, while its breadth is tripled. What is the percentage change in area?
- 25% increase
  - 50% increase
  - 50% decrease
  - 75% decrease
90. If  $a - b = 3$  and  $a^2 + b^2 = 29$ , find the value of  $ab$ .
- 10
  - 12
  - 15
  - 18
91. The price of 10 chairs is equal to that of 4 tables. The price of 15 chairs and 2 tables together is Rs.4000. The total price of 12 chairs and 3 tables is:
- Rs.3500
  - Rs.3750
  - Rs.3840
  - Rs.3900



92. There are two examination rooms, A and B. If 10 students are sent from A to B, then the number of students in each room is the same. If 20 candidates are sent from B to A, then the number of students in A is double the number of students in B. The number of students in room A is:
- a) 20
  - b) 80
  - c) 100
  - d) 200
93. What is the total surface area of a right circular cone of height 14 cm and base radius 7 cm?
- a)  $344.35 \text{ cm}^2$
  - b)  $462 \text{ cm}^2$
  - c)  $498.35 \text{ cm}^2$
  - d) None of these
94. A hall is 15 m long and 12 m broad. If the sum of the areas of the floor and the ceiling is equal to the sum of the areas of four walls, the volume of the hall is:
- a) 720
  - b) 900
  - c) 1200
  - d) 1800
95. How many of the following numbers are divisible by 3 but not by 9?  
2133, 2343, 3474, 4131, 5286, 5340, 6336, 7347, 8115, 9276
- a) 5
  - b) 6
  - c) 7
  - d) None of these
96. In a camp, there is a meal for 120 men or 200 children. If 150 children have taken the meal, how many men will be catered to with remaining meal?
- a) 20
  - b) 30
  - c) 40
  - d) 50

97. A man bought a horse and a carriage for Rs. 3000. He sold the horse at a gain of 20% and the carriage at a loss of 10%, thereby gaining 2% on the whole. Find the cost of the horse.

- a) 2200
- b) 1800
- c) 1200
- d) 1000

98. In a class of 120 students numbered 1 to 120, all even numbered students opt for Physics, whose numbers are divisible by 5 opt for Chemistry and those whose numbers are divisible by 7 opt for Maths. How many students opt for none of the three subjects?

- a) 19
- b) 41
- c) 21
- d) 26

99. When a plot is sold for Rs.18, 700, the owner loses 15%.At what price must that plot be sold in order to gain 15%?

- a) Rs.21,000
- b) Rs.22,500
- c) Rs.25,300
- d) Rs.25,800

100. A vendor bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 20%?

- a) 3
- b) 4
- c) 5
- d) 6

### **SECTION 3- DATA SUFFICIENCY AND LOGICAL REASONING**

#### **(40 Questions)**

- 101.** In a certain code language Infinite means Size. What is the meaning of Indefinite in that code language?
- a) Time
  - b) Day
  - c) Meaning
  - d) Shape
- 102.** Paragraph is related to Sentence in the same way as Sentence is related to
- a) Paragraph
  - b) Type
  - c) Write
  - d) Letter
- 103.** If A is the brother of B; B is the sister of C; and C is the father of D, how D is related to A?
- a) Brother
  - b) Sister
  - c) Nephew
  - d) Cannot be determined
- 104.** If W means '+', X means '-', Y means '÷' and Z means 'x' then  $28Z3Y4x12W6=?$
- a) 27
  - b) 82
  - c) 39
  - d) 53
- 105.** A woman says, "If you reverse my own age, the figures represent my husband's age. He is, of course, senior to me and the difference between our ages is one-eleventh of their sum." The woman's age is:
- a) 23 years
  - b) 34 years
  - c) 45 years
  - d) None of these



SECTION 3 - DATA SUFFICIENCY AND LOGICAL REASONING

Direction (for Q.No.106-107) :

Look carefully at the sequence of symbols to find the pattern. Select correct pattern.

106.

E M E | M M M M | E W E | W ? W

M E W E  
(1) (2) (3) (4)

- a) 1
- b) 2
- c) 3
- d) 4

107.

△ □ △ | □ ○ □ | ○ ◇ ○ | ◇ □ ?

◇ □ ○ △  
(1) (2) (3) (4)

- a) 1
- b) 2
- c) 3
- d) 4

Direction (for Q.No.108-110) :

In these series, you will be looking at both the letter pattern and the number pattern. Fill the blank in the middle of the series or end of the series.

108. F2, \_\_, D8, C16, B32. What number should fill the blank?

- a) A16
- b) G4
- c) E4
- d) E3

109. XXIV, XX, \_\_, XII, VIII. What number should fill the blank?

- a) XXII
- b) XIII
- c) XVI
- d) IV

110. BCB, DED, FGF, HIH, \_\_\_\_

- a) JKJ
- b) HJH
- c) IJI
- d) JHJ

**Direction (for Q.No.111-113):**

**Read the passage given below. Identify the statement that is best supported by the passage:**

111. The future of women in India is quite bright and let us hope that they will justify their abilities by rising to the occasion. Napoleon was right when he declared that by educating the women we can educate the whole nation, because a country can never rise without the contribution of 50% of their population.

The passage best supports the statement that:

- a) India is striving hard for the emancipation of women
- b) All women should be well educated.
- c) A nation can progress only when women are given equal rights and opportunities as men.
- d) Women ought to be imparted full freedom to prove their worth and contribute to the progress of the nation.

112. Though the waste of time or the expenditure on fashions is very large, yet fashions have come to stay. They will not go, come what may. However, what is now required is that strong efforts should be made to displace the excessive craze for fashion from the minds of these youngsters.

The passage best supports the statement that:

- a) Fashion is the need of the day
- b) The excessive craze for fashion is detrimental to one's personality.
- c) The craze for fashion should be done away with so as not to let down the constructive development.
- d) Work and other activities should be valued more than the outward appearance



**113.** Industrial exhibitions play a major role in a country's economy. Such exhibitions, now regularly held in Delhi, enable us to measure the extent of our own less advanced industrial progress and the mighty industrial power and progress of countries like the U.K., U.S.A. and Russia whose pavilions are the centres of the greatest attention and attractions.

The passage best supports the statement that industrial exhibitions:

- a) greatly tax the poor economies
- b) are more useful for the developed countries like U.S.A whose products stand out superior to those of the developing countries
- c) are not of much use to the countries who are industrially backward
- d) boost up production qualitatively and quantitatively by analytical comparison of a country's products with those of the developed countries.

**Direction (for Q.No.114 -Q.No.116):**

In each of the questions below are given TWO statements followed by FOUR conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from the commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**114.**

**Statements:**

All terrorists are guilty.

All terrorists are criminals.

**Conclusions:**

- I. Either all criminals are guilty or all guilty are criminals
- II. Some guilty persons are criminals
- III. Generally criminals are guilty.
- IV. Crime and guilt go together.

- a) Only I follows
- b) Only I and III follow
- c) Only II follows
- d) Only II and IV follow

115.

**Statements**

Some books are pens.

No pen is pencil

**Conclusions:**

- I. Some pens are books.
- II. Some pencils are books.
- III. Some books are not pencils.
- IV. All pencils are books.

- a) Only I follows
- b) Only II and III follow
- c) Only I and III follow
- d) Only I and II follow

116.

**Statements**

All branches are flowers.

All flowers are leaves.

**Conclusions**

- I. All branches are leaves
- II. All leaves are branches
- III. All flowers are branches
- IV. Some leaves are branches

- a) None follows
- b) Only I and IV follow
- c) Only II and III follow
- d) All follow



**Direction (for Q.No.117-121):**

**Each of the following questions consists of a question and two statements numbered I and II .You have to decide whether the data provided in the statements are sufficient or not to answer the questions. Mark answer as**

- a) If the data in statement I alone are sufficient to answer the question
- b) If the data in statement II alone are sufficient answer the question
- c) If the data either in I or II alone are sufficient to answer the question
- d) If the data even in both the statements together are not sufficient to answer the question

**117.** In a certain code '13' means 'stop smoking' and '59' means 'injurious habit', what is the meaning of '9' and '5' respectively in that code?

- I. '157' means 'stop bad habit'.
- II. '839' means 'smoking is injurious'

**118.** How many visitors saw the exhibition yesterday?

- I. Each entry pass holder can take up to three persons with him/her.
- II. In all, 243 passes were sold yesterday.

**119.** In what proportion would Raj, Karim and Altaf distribute profit among them?

- I. Raj gets two-fifth of the profit.
- II. Karim and Altaf have made 75% of the total investment.

**120.** At what time did the train leave today?

- I. The train normally leaves on time.
- II. The scheduled departure is at 14: 30.

**121.** What will be the total weight of 10 poles each of the same weight?

- I. One-fourth of the weight of a pole is 5 kilograms.
- II. The total weight of three poles is 20 kilograms more than the total weight of two poles



**Direction (for Q.No.122-126):**

**From the passage given below, you are led to certain conclusions. You may choose the right option regarding the conclusions.**

The force of technological change will have an impact on the manufacturing industry. But the real effect will be on the information processing industry like software development, service industries like airlines, insurance and consulting – both technical and managerial, designing and executing jobs. Another feature of technological change by the end of century will be the resistance to change from within and outside the organizations. Satisfactory resolutions will require a high degree of mutual cooperation between Government and Industry, Industry and its users, Management and Unions and within organizations across functions.

**122.** The information processing industry has been less amenable to technological change than the manufacturing industry.

- a) The statement is definitely true.
- b) The statement is probably true.
- c) The data provided is inadequate to derive the conclusion.
- d) The statement is definitely false.

**123.** The technological change will affect only specific functions in an organization leaving the others undisturbed.

- a) The statement is definitely true.
- b) The statement is probably true.
- c) The data provided is inadequate to derive the conclusion.
- d) The statement is definitely false.

**124.** As compared to service industry, the manufacturing industry will be less affected by the technological change.

- a) The statement is definitely true.
- b) The statement is probably true.
- c) The data provided is inadequate to derive the conclusion.
- d) The statement is definitely false.

**125.** Technological change has already set in.

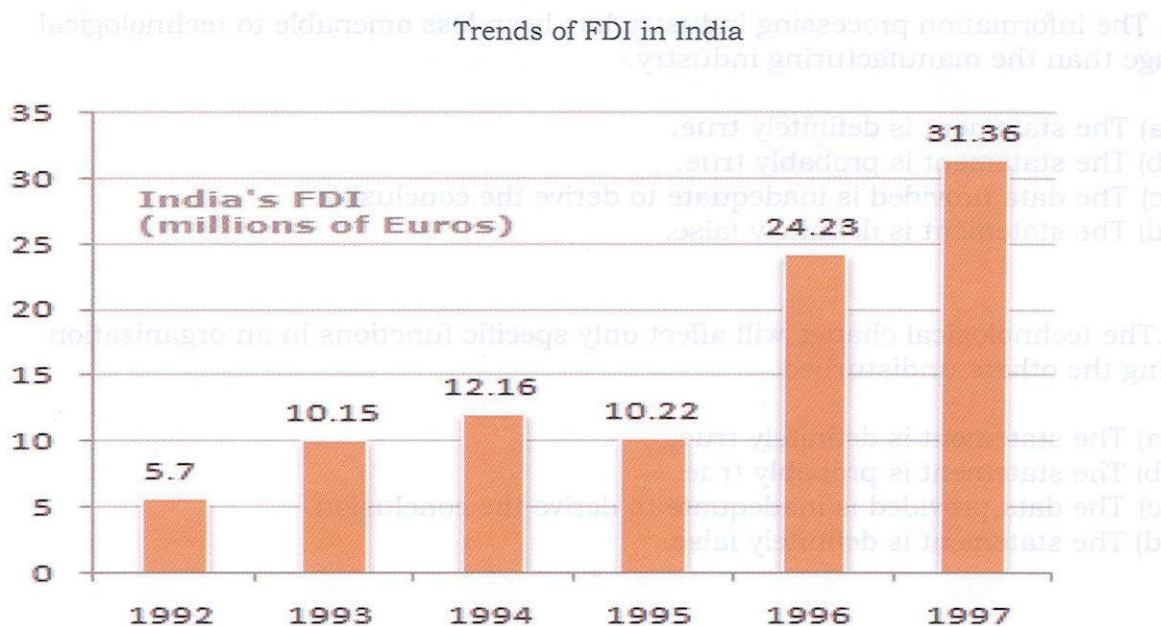
- a) The statement is definitely true.
- b) The statement is probably true.
- c) The data provided is inadequate to derive the conclusion.
- d) The statement is definitely false.

126. People prefer status quo.

- a) The statement is definitely true.
- b) The statement is probably true.
- c) The data provided is inadequate to derive the conclusion.
- d) The statement is definitely false.

**Direction (for Q.No.127-131):**

**The following bar chart shows the trends of foreign direct investments (FDI) into India from all over the world. Study the graph carefully, answer the questions that follow:**



127. What was the ratio of investment in 1997 over the investment in 1992?

- a) 5.50
- b) 5.36
- c) 5.64
- d) 5.75

128. What was the absolute difference in the FDI to India between 1996 and 1997?

- a) 7.29
- b) 7.13
- c) 8.13
- d) None of these



129. If FDI from OPEC countries was proportionately the same in 1992 and 1997 as the total FDI from all over the world and if the FDI in 1992 from the OPEC countries was Euro 2 million, what was the amount of FDI from the OPEC countries in 1997?
- a) 11
  - b) 10.72
  - c) 11.28
  - d) 11.5
130. Which year exhibited the highest growth in FDI in India over the period shown?
- a) 1993
  - b) 1994
  - c) 1995
  - d) 1996
131. What was India's total FDI for the period shown in the figure?
- a) 93.82
  - b) 93.22
  - c) 93.19
  - d) None of these

**Direction (for Q.No.132-135):**

A good way to figure out the relationship in a given question is to make up a sentence that describes the relationship between the first two words. Then, try to use the same sentence to find out which of the answer choices completes the same relationship with the third word.

132. Optimist is to cheerful as pessimist is to
- a) gloomy
  - b) mean
  - c) petty
  - d) helpful



133. Sponge is to porous as rubber is to

- a) massive
- b) solid
- c) elastic
- d) inflexible

134. Embarrassed is to humiliated as frightened is to

- a) terrified
- b) agitated
- c) courageous
- d) reckless

135. Elated is to despondent as enlightened is to

- a) aware
- b) ignorant
- c) miserable
- d) tolerant

**Direction (for Q.No. 136-140):**

**Three of the words will be in the same classification, the remaining one will not be. Your answer will be the one word that does NOT belong in the same classification as the others.**

136.

- a) Inch
- b) Ounce
- c) Centimeter
- d) Yard

137.

- a) Cornea
- b) Retina
- c) Pupil
- d) Vision

138.

- a) Noun
- b) Preposition
- c) Punctuation
- d) Adverb

139.

- a) Tall
- b) Huge
- c) Thin
- d) Sharp

140.

- a) Triangle
- b) Circle
- c) Oval
- d) Sphere

**SECTION – 4 GENERAL KNOWLEDGE AND CONTEMPORARY  
BUSINESS SCENARIO (40 Questions)**

**141.** Entomology is the science that studies

- a) The origin and history of technical and scientific terms
- b) Behavior of human beings
- c) Insects
- d) The formation of rocks

**142.** Guru Gopinath was an exponent of

- a) Kuchipudi
- b) Bharatnatyam
- c) Kathakali
- d) Music

**143.** Fathometer is used to measure

- a) Rainfall
- b) Ocean depth
- c) Sound intensity
- d) Earthquakes

**144.** The International Date Line is

- a) Equator
- b) 0° longitude
- c) 90° east longitude
- d) 180° longitude

**145.** Which of the following is the chief occupation of Brazilians?

- a) Producing Coffee
- b) Sugar Production
- c) Mining
- d) Sheep rearing

**146.** Gilt-edged market means

- a) bullion market
- b) market of government securities
- c) market of guns
- d) market of pure metals



**147.** Who among the following is a social activist campaigning against child labour?

- a) Baba Amte
- b) Shabana Amzi
- c) Mira Nair
- d) Swami Agnivesh

**148.** Whose former colony was Diu?

- a) Portuguese
- b) French
- c) Dutch
- d) English

**149.** The fundamental rights of Indian constitution are enshrined in

- a) The preamble
- b) Part III of the constitution
- c) Part IV of the constitution
- d) Part IV A of the constitution

**150.** The Central Board of Excise and Customs (CBEC) has recently announced that \_\_\_\_\_ will be observed as GST Day

- a) 1<sup>st</sup> June
- b) 30<sup>th</sup> June
- c) 1<sup>st</sup> July
- d) 1<sup>st</sup> March

**151.** Bharat Ratna was awarded to Dr.A.P.J.Abdul Kalam during the year

- a) 1995
- b) 1997
- c) 1999
- d) 2000

**152.** Jnanpith award winner in 2017 was:

- a) Krishna Sobti
- b) Bhalchandra Nemade
- c) Raghuveer Chaudhari
- d) Shankha Ghosh

**153.** Which football player surpasses Lionel Messi for most goals in 2017?

- a) Harry Kane
- b) Cristiano Ronaldo
- c) Robert Lewandowski
- d) Edinson Cavani

**154.** Anupam Shrivastava is the Chairman and Managing Director of which telecommunication company?

- a) Airtel
- b) BSNL
- c) Idea
- d) Vodafone

**155.** BSNL set to launch 4G services in which state in January 2018?

- a) Kerala
- b) Odisha
- c) Tamil Nadu
- d) Karnataka

**156.** All police stations in \_\_\_\_\_ will maintain a Face book account and a Twitter handle from 2018 to communicate with people on a daily basis

- a) Andra Pradesh
- b) Telangana
- c) Maharashtra
- d) Tamil Nadu

**157.** Which state has emerged as the second state in the Northeast, after Sikkim, to be declared Open Defecation Free?

- a) Maharashtra
- b) Manipur
- c) Nagaland
- d) Arunachal Pradesh

**158.** Sophia, the world's first robot to be granted citizenship, made its first appearance in India during an annual festival at \_\_\_\_\_

- a) IIT-Bombay
- b) IIT-Kharagpur
- c) IIT-New Delhi
- d) IIT-Chennai



159. Indian chess champion Viswanathan Anand clinched a \_\_\_\_\_ medal at the World Blitz Chess Championship in Riyadh
- Gold
  - Silver
  - Bronze
  - None of these
160. \_\_\_\_\_ has announced its plans to launch an incubator for startups with the aim of building and sharing technology solutions among developers in India
- Google
  - Facebook
  - Microsoft
  - Paytm
161. The government has revealed that \_\_\_\_\_ crore has been raised through its Bharat 22 Exchange Traded Fund (ETF)
- 10500
  - 12500
  - 14500
  - 20500
162. Professor Malcolm Adiseshai had earned worldwide distinction in which of the fields?
- Literature
  - Defence
  - Economics
  - Medicine
163. Which country has successfully launched remote sensing satellites to conduct electromagnetic environmental probes recently?
- India
  - Japan
  - China
  - USA
164. Visa on October 10, 2017, signed an agreement with which State government to boost digital payments?
- Karnataka
  - Maharashtra
  - Punjab
  - Andhra Pradesh



**165.** Who inaugurated the 3rd International Conference on Yoga in New Delhi?

- a) Shri Venkaiah Naidu
- b) Shri Narendra Modi
- c) Shri Vijay Prakash
- d) Shri Arun Jaitley

**166.** Name the country that qualified for the FIFA World Cup for the first time in history.

- a) Ireland
- b) Iceland
- c) Serbia
- d) Austria

**167.** Which of the following has been named as India's best FMCG company in the food sector by the International Advertising Association (IAA)?

- a) Patanjali Ayurved
- b) Nestle India
- c) Amul
- d) Dabur India

**168.** Who has been appointed as the Chairman and CEO of Pepsico India?

- a) D Shivakumar
- b) Saurabh Kumar
- c) Ahmed El Sheikh
- d) Anshul Verma

**169.** The Indian government on October 10, 2017, announced to setup units in post offices for processing \_\_\_\_\_.

- a) Aadhar card
- b) Passport
- c) PAN card
- d) Driver's license

**170.** Which company is to set up electric car battery plant in India by the year 2030?

- a) Honda
- b) Mahindra
- c) Ashok Leyland
- d) Larsen and Toubro

**171.** Which of the following buys smart camera and doorbell startup Blink?

- a) Ebay
- b) SNAPDEAL
- c) Flipkart
- d) Amazon

**172.** Which network plans to buy Millicoms Operations in Rwanda?

- a) Reliance Jio
- b) Idea
- c) Bharti Airtel
- d) Vodafone

**173.** Which institute inks MoU with the National Skill Development Corporation (NSDC) for conducting data analytics and impact evaluation studies in the skills ecosystem?

- a) Charles Sturt University
- b) Western Sydney University
- c) Macquarie University
- d) Deakin University

**174.** IRCTC Rail connect and this company made a partnership for ticket bookings.

- a) Freecharge
- b) Airtel Payment
- c) MobiKwik
- d) Paytm

**175.** Which company became the world's most valuable brand in Interbrand 2017?

- a) Amazon
- b) Google
- c) Apple
- d) Adobe

**176.** Which company signed MoU with IISc to enhance infrastructure and broaden research activities?

- a) Google
- b) IBM
- c) Infosys
- d) TCS

177. Which airways launched 'Fly Now Pay Later' scheme recently?

- a) Singapore Airlines
- b) Kenya Airways
- c) Etihad Airways
- d) Emirates

178. Which of the following ties up with Amazon for Ayurveda Marketplace?

- a) Dabur India
- b) Emami
- c) Pathanjali
- d) Himalaya

179. Which of the following company launched its first dual camera phone, the Eluga Ray 500?

- a) Samsung
- b) Panasonic
- c) Lenovo
- d) Micromax

180. Which Airways becomes the World's First Airline to launch Double beds in Business Class?

- a) Qatar Airways
- b) Singapore Airlines
- c) Etihad Airways
- d) ANA All Nippon Airways

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**SPACE FOR ROUGH WORK**