B.VOC

1. If $a:b = 2:3$, $b:c = 4:3$, $c:d = 2:3$, then find $a:d$.

   (A) 8:27
   (B) 3:5
   (C) 16:27
   (D) 9:4

2. In an exam, Arun got 20% more marks than Bala. Then, Bala's marks is what percentage less than Arun?

   (A) 20%
   (B) 16.67%
   (C) 25%
   (D) 33%

3. A person sold two shirts for the same selling price. On one shirt he gained 10% and on the other he lost 10%. Find his overall profit /loss percentage.

   (A) Loss of 1%
   (B) Profit of 1%
   (C) No loss or profit
   (D) Cannot be determined

4. A merchant buys an item for Rs 80. He puts the marked price up by 50%. Then he sells it at a discount of 50%. What is the selling price?

   (A) 80
   (B) 60
   (C) 100
   (D) None of the above

5. A man sold 250 chairs and had a gain equal to selling price of 50 chairs.
   His profit percent is

   (A) 5%
   (B) 25%
   (C) 10%
   (D) 50%

Only for reference. Do not copy

6. A sells a bicycle to B at a profit of 20%. B sells it to C at a profit of 25%. If C pays Rs. 225 for it, the cost price of the bicycle for A is

(A) 110
(B) 120
(C) 125
(D) 150

7. A fruit seller purchases oranges at the rate of 3 for Rs. 5 and sells them at 2 for Rs. 4. His profit in the transaction is

(A) 10%
(B) 20%
(C) 30%
(D) 40%

8. What sum will yield an interest of Rs 306 in 6 years at 5% simple interest?

(A) 840
(B) 765
(C) 1210
(D) 1020

9. A sum invested at simple interest doubles itself in ten years. How long will it take for the amount to become five times?

(A) 20 years
(B) 25 years
(C) 30 years
(D) 40 years

10. If inflation is at a rate of 8 % p.a, how much will a Rs.20 article cost at the end of two years?

(A) between Rs.20 and Rs.21
(B) between Rs.21 and Rs.22
(C) between Rs.22 and Rs.23
(D) between Rs.23 and Rs.24

11. In how many years a sum of money will be doubled if interest rate is 20% compounded annually?

(A) 6
(B) 5
(C) 4
(D) 3

Only for reference. Do not copy

12. A certain sum of money invested at compound interest, compounded annually, becomes Rs. 8820 in 2 year and Rs. 9261 in 3 year. The rate of interest is

(A) 5% per annum
(B) 10% per annum
(C) 11% per annum
(D) 12% per annum

13. A sum of money lent at 2.5% per annum yielded a simple interest of Rs. 2500. If Rs. 42500 was paid to clear the loan, then the time of which the money was borrowed is

(A) 6 years
(B) 3 years
(C) 2.5 years
(D) 5 years

14. A train crosses two bridges of 430 m and 550 m long in 30 secs and 36 secs respectively. Find the speed of the train.

(A) 36 kmph
(B) 72 kmph
(C) 27 kmph
(D) 45 kmph

15. A ship sails out to a destination at the rate of 10 km per hour and sails back at the rate of 15 km per hour. What is its average rate of sailing?

(A) 10
(B) 12
(C) 12.5
(D) 15

16. A 270 metres long train running at the speed of 120 km/hr crosses another train running in opposite direction at the speed of 80 km/hr in 9 seconds. What is the length of the other train?

(A) 230 m
(B) 260 m
(C) 240 m
(D) 270 m

Only for reference. Do not copy

17. If a man can swim downstream at 6 km/hr and upstream at 2km/hr, his speed in still water is

(A) 2 km/hr
(B) 2.5 km/hr
(C) 3 km/hr
(D) 4 km/hr

18. A train running at the speed of 54 km/hr completely crosses a platform in 20 seconds. If the platform is 100m long the length of the rain in metres is

(A) 100
(B) 200
(C) 300
(D) 400

19. If Anshul rows 15 km upstream and 21 km downstream taking 3 hours each time, then the speed of the stream is

(A) 1 km/hr
(B) 2 km/hr
(C) 1.5 km/hr
(D) 12 km/hr

20. What is the distance covered by a cyclist in 20 secs if he is travelling at a speed of 36 kmph?

(A) 720 meters
(B) 18 meters
(C) 300 meters
(D) 200 meters

21. *A* and *B* can complete a job in 10 days and 12 days respectively if individually works on the job. In how many days will the job be completed if *A* and *B* work together on the job?

(A) 10
(B) 2
(C) 5.45
(D) 22

Only for reference. Do not copy

22. Pipes P and Q take 24 mins and 36 mins respectively to fill an empty tank. If both together along with an outlet tap R take 18 mins to fill the tank, find the time R will take to empty the full tank.

(A) 36 mins
(B) 72 mins
(C) 60 mins
(D) 12 mins

23. Running at the same constant rate, 5 identical machines can produce a total of 250 mugs per minute. At this rate, how many mugs could 10 such machines produce in 5 minutes?

(A) 1500
(B) 2000
(C) 2500
(D) 3000

24. 30 men can complete a piece of work in 15 days. In how many days will 25 men complete the same work?

(A) 12 days
(B) 18 days
(C) 22 days
(D) 25 days

25. The average age of 20 students in the class is 20 years. A student with age 20 now leaves the class. Find the new average age of the class (in years).

(A) 20
(B) 21
(C) 22
(D) 19

26. The average weight of 45 passengers on board of an aircraft is 50 kg. If the weight of 5 members of the crew is added, the average is reduced by half kilogram. What is the average weight of the crew members?

(A) 44
(B) 45
(C) 46
(D) 50

Only for reference. Do not copy

27. The average age of three girls is 24 years. If their ages are in the ratio of 5 : 6 : 7, find the age of the youngest girl.

(A) 20
(B) 22
(C) 24
(D) 30

28. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?

(A) 6.25
(B) 6.5
(C) 6.75
(D) 7

29. A student's marks were wrongly entered as 83 instead of 63. Due to that the average marks for the class got increased by 0.5. The number of students in the class is:

(A) 10
(B) 25
(C) 40
(D) 73

30. The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?

(A) 4
(B) 6
(C) 8
(D) 10

31. The sum of 36 odd numbers will be

(A) even
(B) odd
(C) can be even or odd
(D) cannot be determined

32. $6382 + 16 \times 4 - 60 =$

(A) 6386
(B) 25536
(C) 6382
(D) None of the above

Only for reference. Do not copy

33. The difference between 5/6 of Rs. 600 and 5/6% of Rs. 600 is

(A) Rs. 500
(B) Rs. 505
(C) Rs. 5
(D) Rs. 495

34. If 4 ½ metres be increased in the ratio 7:3, it becomes

(A) 10 ½ meters
(B) 10 ⅓ metres
(C) 9 ½ metres
(D) 9 ⅓ metres

35. A is greater than B by 2 and B is greater than C by 10. If A + B + C = 130, then (B + C) – A = ?

(A) 38
(B) 42
(C) 44
(D) 34

36. 40% of ? = 240

(A) 60
(B) 6000
(C) 960
(D) 600

37. 1400 × ? = 1050

(A) 1 / 4
(B) 3 / 4
(C) 3 / 5
(D) 2 / 3

38. 36 + 4 × 5 = ?

(A) 200
(B) 45
(C) 184
(D) 56

Only for reference. Do not copy

39. The LCM of two numbers is 2079 and their HCF is 27. If one of the numbers is 297, find the other,

(A) 189
(B) 190
(C) 289
(D) 198

40. The sum of two numbers is 250. The difference of their squares is 12500. Find the largest of these numbers.

(A) 130
(B) 140
(C) 150
(D) 160

41. Find the sum of the first 10 terms in the series 2, 5, 8, 11, …….

(A) 150
(B) 153
(C) 155
(D) 157

42. If a prism and pyramid have the same base and height, find the ratio of their volumes

(A) 2:1
(B) 3:2
(C) 2:3
(D) 3:1

43. The ratio between the perimeter and the breadth of a rectangle is 5:1. If the area of the rectangle is 216 sq. cm, what is the length of the rectangle?

(A) 16
(B) 18
(C) 24
(D) Data inadequate

44. A father is twice as old as his son 20 years ago, the age of the father was 12 times the age of the son. The present age of the father (in years) is

(A) 22 years
(B) 45 years
(C) 44 years
(D) 32 years

Only for reference. Do not copy

45. The cost of 15 bags of salt, each weighting 915 grams is Rs.18. What will be the cost of 25 bags, if each bag weight is 1 kg?

(A) 53.3
(B) 32.78
(C) 46.64
(D) 34.23

Directions: The table below gives the number of students appeared and qualified in the competitive exam from five sates namely *V*, *W*, *X*, *Y*, *Z* during the period 2010 to 2014

State	Year									
	2010		2011		2012		2013		2014	
	App.	Qual.	App.	Qual.	App.	Qual.	App.	Qual.	App.	Qual.
V	5200	720	8500	980	7400	850	6800	775	9500	1125
W	7500	840	9200	1050	8450	920	9200	980	8800	1020
X	6400	780	8800	1020	7800	890	8750	1010	9750	1250
Y	8100	950	9500	1240	8700	980	9700	1200	8950	995
Z	7800	870	7600	940	9800	1350	7600	945	7990	885

46. The number of students qualified from state *V* in 2014 is what percentage more than the number of students qualifying from state *W* in 2010?

(A) 33.9
(B) 25.33
(C) 1.33
(D) None of the above

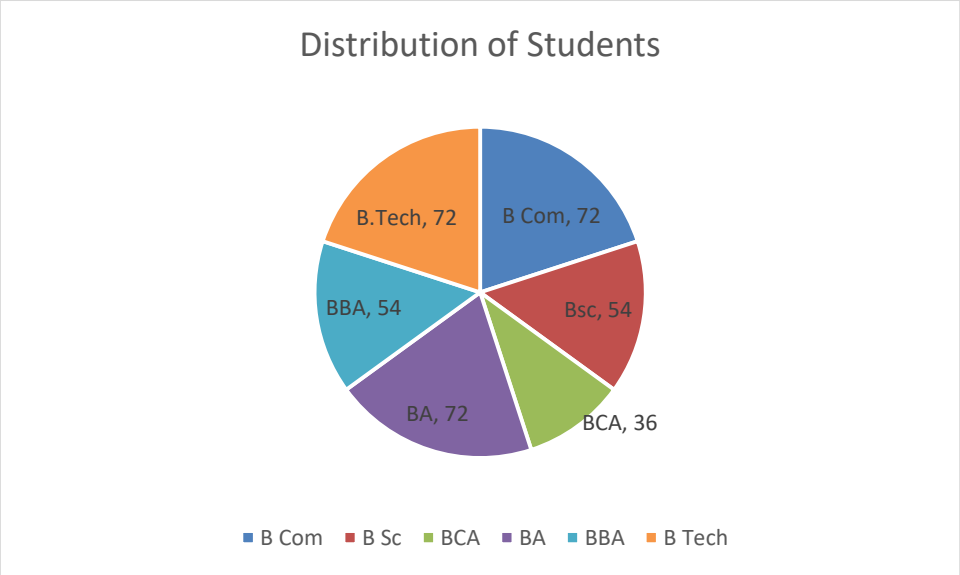
47. Total number of candidates qualified from all the states together in 2010 is approximately what percentage of the total number of candidates qualified from all the states together in 2011?

(A) 72%
(B) 77%
(C) 83%
(D) 80%

48. In which of the given years, State *X* has maximum percentage of qualified candidates from the number of candidates appeared?

(A) 2011
(B) 2012
(C) 2013
(D) 2014

Directions: The pie chart below gives the number of students in a MBA college. The values are in degrees (°). Study the graph and answer questions below.



49. If the number of B.Sc. Students is 51, how many students are B Tech?

(A) 68
(B) 72
(C) 340
(D) None of the above

50. If 20% of the BA students are Economics students, they form what percentage of the total students?

(A) 20
(B) 10
(C) 4
(D) None of the above

Only for reference purpose

51. How many students are there in the batch?

(A) 100
(B) 360
(C) 340
(D) Can't be determined

52. A box contains 6 red balls and 4 black balls. A ball is drawn from the box. What is the probability that the ball is black?

(A) 4/6
(B) 4/10
(C) 6/10
(D) 6/4

53. A box contains 6 red balls and 4 black balls. If two balls are drawn, what is the probability that both are black?

(A) 2/15
(B) 4/10
(C) 2/5
(D) None of the above

54. If $P > Q$, $Q > R$, $R < S$, then we can definitely conclude that

(A) $P > S$
(B) $P > R$
(C) $Q > S$
(D) None of the above

55. A flagstaff 12.5m high casts a shadow of length 36.5m. The height of the building which casts a shadow of length 18/75m under similar conditions will be

(A) 5 m
(B) 6 m
(C) 6.42 m
(D) 11 m

56. Rahul is as much younger than Mukesh as he is older than Lata. If the sum of the ages of Mukesh and Lata is 60 years. What is definitely the difference between Mukesh and Rahul's age?

(A) 20 years
(B) can't be determined
(C) 24 years
(D) none of the these

Only for reference. Do not copy

57. A milk vendor has 2 cans of milk. The first contains 25% water and the rest milk. The second contains 50% water. How much milk should he mix from each of the containers so as to get 12 litres of milk such that the ratio of water to milk is 3:5?

(A) 3 Litres
(B) 6 Litres
(C) 12 litres
(D) 15 litres

58. The ratio of number of men and women in a factory of 720 workers is 7:5. How many more women should be joined to make the ratio 1:1?

(A) 100
(B) 120
(C) 200
(D) 220

59. How many times do the hands of a clock coincide in a day?

(A) 10
(B) 44
(C) 23
(D) 22

60. The angle between the minute hand and the hour hand of a clock when the time is 4:20, is

(A) 0°
(B) 10°
(C) 30°
(D) 1°

Directions Read each sentence to find out whether there is any grammatical error in it. The error, if any will be in one part of the sentence. The letter of that part is the answer.

61. We discussed about the problem so thoroughly on the eve of the meeting that we found it very interesting.

(A) We discussed about the problem so thoroughly
(B) on the eve of the meeting
(C) that we found it very interesting
(D) No error

Only for reference. Do not copy

62. I could not put up in a hotel because the boarding charges were very high.

(A) No error
(B) I could not put up in a hotel
(C) because the boarding charges
(D) were very high

63. There was an argument about if we should move out of the house.

(A) There was an argument
(B) about if we should
(C) move out of the house
(D) No error

Directions (Question No. 64 and 65): In the following the questions, choose the word which best expresses the meaning of the given word.

64. Choose the word which best expresses the meaning of the given word.

INEBRIATE

(A) Dreamy
(B) Stupid
(C) Unsteady
(D) Drunken

65. Choose the word which best expresses the meaning of the given word.

HESITATED

(A) Stopped
(B) Slowed
(C) Paused
(D) Postponed

Directions (Question No. 66 and 67): Select the word that is opposite in meaning to the given word

66. Select the word that is opposite in meaning to the given word

FAMILIAR

(A) Unpleasant
(B) Dangerous
(C) Friendly
(D) Strange

Only reference. Do not copy

67. Select the word that is opposite in meaning to the given word

ALIEN

(A) Resident
(B) Domiciled
(C) Native
(D) Natural

Directions (Question No. 68 and 69): Each of the five questions below has a word spelt in many ways. Identify the correctly spelt word in the list

68. Identify the correctly spelt word.

(A) occasion
(B) occassion
(C) ocasion
(D) ocassion

69. Identify the correctly spelt word.

(A) entreprener
(B) entreprenuer
(C) entrepraneur
(D) entrepreneur

Directions: In each question below a sentence broken into five or six parts. Join these parts to make a meaningful sentence. The correct order of parts is the answer.

70. 1. at 2. it 3. take 4. once 5. away

(A) 23514
(B) 14352
(C) 32514
(D) 53214

71. 1. you 2. seen 3. have 4. going? 5. him

(A) 13254
(B) 13425
(C) 54312
(D) None of the above

Only for reference. Do not copy

72. 1. me 2. help 3. did 4. you 5. not

(A) 43521
(B) 13524
(C) 23514
(D) None of the above

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

73. One who eats everything

(A) Omnivorous
(B) Omniscient
(C) Irresistible
(D) Insolvent

74. One who knows everything

(A) Literate
(B) Scholar
(C) Omnipotent
(D) Omniscient

75. Person who tries to deceive people by claiming to be able to do wonderful things

(A) Trickster
(B) Imposter
(C) Magician
(D) Mountebank

Directions: Each question consist of two words which have a certain relationship to each other followed by four pairs of related words, Select the pair which has the same relationship

76. Breeze : Cyclone

(A) Air: Storm
(B) Water: Flood
(C) Earthquake: Earth
(D) Drizzle: Downpour

Only for reference. Do not copy

77. Poverty: Prosperity

(A) Love: Sorrow
(B) Train: Cart
(C) Rain: Flood
(D) Intelligence: Stupidity

78. Horse: Mare

(A) Duck: Geese
(B) Dog: Puppy
(C) Donkey: Pony
(D) Fox: Vixen

Directions (Question No. 79 to 81):

79. Choose the correct meaning of proverb/idiom:

To hit the nail right on the head

(A) To do the right thing
(B) To destroy one's reputation
(C) To announce one's fixed views
(D) To teach someone a lesson

80. Choose the correct meaning of proverb/idiom:

To smell a rat

(A) To see signs of plague epidemic
(B) To get bad smell of a bad dead rat
(C) To suspect foul dealings
(D) To be in a bad mood

81. Choose the correct meaning of proverb/idiom:

Black sheep

(A) An unlucky person
(B) A lucky person
(C) An ugly person
(D) A disreputable person

Only for reference. Do not copy

Direction: Read the following sentence and note the bold word/phrase. One of the words/phrases given below conveys almost the same meaning as the bold word/phrase. Select the most suitable word/phrase.

82. Select the word which conveys the same meaning as the word in bold.

He found this **adventitious** meeting with his friends extremely useful.

(A) secret
(B) surreptitious
(C) planned
(D) accidental, casual

Only for reference. Do not copy

83. Select the word which conveys the same meaning as the word in bold.

His benevolent attitude towards others **attenuates** his depravity.

(A) removes
(B) enhances
(C) softens
(D) sharpens

84. Select the word which conveys the same meaning as the word in bold.

All his ideas were **chimerical**.

(A) full of substance
(B) unreal, visionary
(C) fake, illusive
(D) in a decaying condition

85. Fill in the blanks.

He cannot pass ..... he works hard.

(A) so long as
(B) so long
(C) unless
(D) without

86. Fill in the blanks.

The food of the poor is deficient ..... vitamins.

(A) of
(B) in
(C) for
(D) with

87. Fill in the blanks.

He is lost ..... all sense of shame and decency.

(A) for
(B) from
(C) to
(D) upon

Only for reference. Do not copy

88. Fill in the blanks.

You had better ..... now than play.

(A) to read
(B) read
(C) for you to read
(D) if read

Only for reference. Do not copy

89. Fill in the blanks.

The peasant was killed ..... a dagger.

(A) by
(B) with
(C) at
(D) on

90. Fill in the blanks.

The judge declared judgement ..... the government orders.

(A) against
(B) on
(C) with
(D) for

91. Fill in the blanks.

Our secretary will arrive here ..... 6 pm.

(A) since
(B) for
(C) before
(D) until

92. Fill in the blanks.

People do not have good water ..... drink.

(A) for
(B) to
(C) at
(D) in

93. Fill in the blanks.

A clear and steady mind triumphs ..... difficulties.

(A) with
(B) over
(C) by
(D) on

Only for reference. Do not copy

94. Select the word which can be substituted.

Asking everyone for opinion

(A) voting
(B) resolution
(C) bill
(D) referendum

Only for reference. Do not copy

95. Select the word which can be substituted.

The place where clothes are kept

(A) shelf
(B) almirah
(C) wardrobe
(D) coat stand

96. Select the word which can be substituted.

The story of a man written by himself

(A) biography
(B) autobiography
(C) history
(D) life history

97. Select the word which can be substituted.

A plant or animal living on another

(A) hydra
(B) parasite
(C) bush
(D) creeper

98. Select the word which can be substituted.

Government by one man

(A) anarchy
(B) democracy
(C) monarchy
(D) autocracy

99. Select the word which can be substituted.

A job without salary

(A) voluntary
(B) honorary
(C) amateur
(D) free service

Only for reference. Do not copy

Directions: Identify the synonym corresponding to the word put in bold.

100. Identify the synonym corresponding to the word put in bold.

Hard work **buttressed** by perseverance leads one to accomplish one's aim in life

(A) mixed with
(B) combined with
(C) supported
(D) accumulated

Only for reference. Do not copy

101. Identify the synonym corresponding to the word put in bold.

I felt **nettled** at his behavior

(A) annoyed
(B) surprised
(C) perplexed
(D) disgusted

102. Identify the synonym corresponding to the word put in bold.

Your statement will serve to **obfuscate** the whole thing

(A) clarify
(B) explain
(C) interpret
(D) obscure

103. Identify the synonym corresponding to the word put in bold.

People were afraid to explore the **pestilential** swamp

(A) causing plague
(B) widespread
(C) extensive
(D) entrapping

104. Identify the synonym corresponding to the word put in bold.

The newspaper made **scurrilous** attack upon the president

(A) scandalous
(B) humiliating
(C) venomous
(D) severe

105. Identify the synonym corresponding to the word put in bold.

She did it with **temerity**

(A) enthusiasm
(B) vigour
(C) energy
(D) excessive boldness

Only for reference. Do not copy

Directions: Read the description given below and answer the following questions.

A building has eight floors from 1 to 8 in such a way that ground floor is numbered 1, the above floor is numbered 2 and so on. The top most floor is numbered 8. Eight persons *G*, *P*, *M*, *R*, *Q*, *A*, *D* and *C* are staying each on one of these floors. *A* is staying on floor 6. There is a gap of three persons between *G* and *R*. *C* is staying on the topmost floor. Neither *P* nor *M* is staying on the floor 5. *Q* is staying middle of *P* and *M*. *R* is staying on the floor 1. *M* is not an immediate neighbour of *G*.

Only for reference. Do not copy

106. How many persons are staying between *D* and *P*?

(A) Three
(B) Four
(C) Two
(D) None of the above

107. Who is staying in an even numbered floor?

(A) *G*
(B) *Q*
(C) *D*
(D) *M*

108. Immediate neighbours of the person who is staying in floor 3?

(A) *R* and *P*
(B) *A* and *P*
(C) *G* and *M*
(D) *P* and *M*

Directions: Read the description given below and answer the following questions.

In a family of eight persons, there are three married couples. Annie is the grandmother of Charly and is the mother in law of Fab. Hema is the daughter of Bobby who is the brother of Geevan. Diana is the only child of Geevan and is the mother of Charly. Emily is the wife of Bobby.

109. How is Hema related to Diana?

(A) Sister
(B) Daughter
(C) Cousin
(D) Mother

110. Who is the father of Fab?

(A) Geevan
(B) Bobby
(C) Charly
(D) Can't be determined

Only for reference. Do not copy

111. How is Charly's father related to Geevan's daughter?

(A) Son
(B) Husband
(C) Father
(D) Father-in-law

Directions: Read the description given below and answer the following questions.

Eight people – *A*, *B*, *C*, *D*, *E*, *F*, *G* and *H* are sitting around a circular table facing the centre, not necessarily in the same order. *F* is third to the right of *C* and second to the left of *H*. *D* is not an immediate neighbour of *C* or *H*. *E* is to the immediate right of *A*, who is second to the right of *G*.

112. Who is second to the left of *C*?

(A) *B*
(B) *A*
(C) *E*
(D) *D*

113. Which of the following is true regarding the given arrangement?

(A) *E* is second to the left of *C*
(B) *B* is an immediate neighbour of *G*
(C) *H* is an immediate neighbour of *A*
(D) None of the above

114. How many people are sitting between *H* and *A* when counted from the right side of *H*?

(A) Three
(B) More than three
(C) None
(D) One

Only for reference. Do not copy

Direction (Question No. 115 to 118): Each question has FOUR answer choices marked as A, B, C, D. Mark the choice that is the best answer to the question given.

115. Find the missing term in the series:

12, 14, 15, 16, 18, 20, …….

(A) 21
(B) 22
(C) 23
(D) 24

116. Find the missing term in the series:

3, 5, 9, ……., 33

(A) 15
(B) 17
(C) 20
(D) None of the above

117. Find the missing term in the series:

AI, EO, IU, ……., UE

(A) OU
(B) OI
(C) UA
(D) OA

118. Find the missing term in the series:

RQP, ONM, ……., IHG, FED

(A) CDE
(B) LKI
(C) LKJ
(D) BAC

119. Which word does not belong to others?

(A) Inch
(B) Kilogram
(C) Centimeter
(D) Yard

Only for reference. Do not copy

120. Find the odd one among the following.

(A) ZW
(B) TQ
(C) SP
(D) NL

121. Which word does NOT belong with the others?

(A) Index
(B) Glossary
(C) Chapter
(D) Book

122. Which word does NOT belong with the others?

(A) Noun
(B) Preposition
(C) Punctuation
(D) Adverb

123. In a period of 12 hours, the hour hand and the minute hands of a clock coincide …… times.

(A) 11
(B) 12
(C) 23
(D) None of the above

124. Which year will have the same calendar as that of 2005?

(A) 2006
(B) 2007
(C) 2010
(D) 2011

125. If 2005 Jan 1st was a Saturday, 2015 Jan 1st was

(A) Saturday
(B) Sunday
(C) Tuesday
(D) Thursday

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126. Ram travels 7 km towards South and then 5 km towards his left. He further travels 5 km to the south. How far is he from the starting point?

(A) 9
(B) 13
(C) 17
(D) None of the above

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127. If All Dogs are Cats and All Cats are Monkeys, then we can conclude that

(A) All Monkeys are Dogs
(B) All Dogs are Monkeys
(C) All Monkeys are Cats
(D) None of the above

Directions: Read the passage carefully and answer the questions given below it.

Dolphins are regarded as the friendliest creatures in the sea and stories of them helping drowning sailors have been common since Roman times. The more we learn about dolphins, the more we realize that their society is more complex than people previously imagined. They look after other dolphins when they are ill, care for pregnant mothers and protect the weakest in the community, as we do. Some scientists have suggested that dolphins have a language but it is much more probable that they communicate with each other without needing words. Could any of these mammals be more intelligent than man? Certainly the most common argument in favor of man's superiority over them that we can kill them more easily than they can kill us is the least satisfactory. On the contrary, the more we discover about these remarkable creatures, the less we appear superior when we destroy them.

128. It is clear from the passage that dolphins

(A) don't want to be with us as much as we want to be with them
(B) are proven to be less intelligent than once thought
(C) have a reputation for being friendly to humans
(D) are the most powerful creatures that live in the oceans

129. The fact that the writer of the passage thinks that we can kill dolphins more easily than they can kill us

(A) means that they are better adapted to their environment than we are
(B) shows that dolphins have a very sophisticated form of communication
(C) proves that dolphins are not the most intelligent species at sea
(D) does not mean that we are superior to them

130. One can infer from the reading that

(A) dolphins are quite abundant in some areas of the world
(B) communication is the most fascinating aspect of the dolphins
(C) dolphins have skills that no other living creatures have such as the ability to think
(D) dolphins have some social traits that are similar to those of humans

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Directions: Read the passage carefully and answer the questions given below it.

One day, the king came to the court and began attending to the routine matters people had brought to him. He happened to be in a bad mood that day. Just then, a messenger arrived out of breath, with a message that the queen wanted to see the king in her palace. The king rose immediately and all the courtiers respectfully got to their feet. The jester however remained seated unaware that the king was departing. He belatedly got to his feet but while doing so, he was noticed by the king, who perceived this behaviour as an insult. He ordered the jester to leave his kingdom with immediate effect and not set foot on its soil under penalty of death.

The courtiers were upset and protested. The jester was amusing and well liked. But the jester obeyed the king's commands and left the palace promptly. Several months passed after the king had ordered the jester to leave his court. The king's anger had subsided. He decided to invite the jester to return to his court. Messengers were sent to neighbouring kingdoms to search for the jester and bring him before the king. However the very next day, when the king was standing in one of the palace balconies, he saw a horse carriage pass outside the palace. He glanced at the carriage out of curiosity and spied the jester sitting inside. The carriage was stopped. The king asked the jester angrily, "Why have you come back to the kingdom without my permission?' "Your Majesty" the jester replied politely, "I left for China the day you drove me out of your court. I returned only after I had covered the floor of my carriage with the soil of the neighbouring country. I have thus not set my foot on your soil," The king found the jester's answer pleasing. He smiled and asked him to come to court from the next morning.

131. Why did the jester remain seated, while the king was leaving?

(A) To show he was unhappy with king's decision to leave early
(B) To get the king's attention
(C) He did not realize that the king was leaving
(D) To show the king that leaving early was insulting to those, who had come to the court

132. Which of the following is true in the context of the passage?

(A) The king was stubborn and never listened to his courtiers advice
(B) The jester was quick witted
(C) The king's messengers did not try very hard to find the jester
(D) The jester did not return to the court till the king had asked forgiveness

Only for reference. Do not copy

133. Choose the word which is most similar in meaning to the word Spied as used in the passage.

(A) Watched
(B) Followed
(C) Stared
(D) Noticed

Directions: Read the passage carefully and answer the questions

The night was cold and dark. There was great storm, thunder and lightening also. Most men and animals, adequately protected were asleep in their homes, they were warm and happy. But some monkeys were running through forest. They had no warm home and they were cold. Worried monkeys looked every-where for shelter. They had almost resigned themselves to be flattened out by the cold. Suddenly they saw some fireflies. Now, fireflies have a light in their tails as all our children know. The monkeys took the light for fire. Poor things, they did not know any better. They said, "We will go near the fire and warm ourselves".

There was a flock of birds in a tree nearby. One bird had a kind heart, and it felt sorry for the monkeys. It called out, "That is not fire, my friends! Those are fireflies. They give no heat. It is futile to run after them." The monkeys got furious. Their rage knew no bounds. They did not thank the bird. One monkey said rudely, "It is so? We do not want unsolicited advice. I will teach you to say there is no fire." He jumped up the tree and pulled the poor bird out of its nest. 'Alas!' said the poor bird, "why did I try to help a fool."

134. What happened finally to the bird?

(A) The bird flew away from the tree
(B) The bird was killed by a monkey
(C) The bird managed to escape from the monkey's hold
(D) It is not given in the passage

135. Which of the following is not true in the context of the passage?

(A) The night was cold and dark
(B) The bird had a kind heart
(C) Fireflies have a light in their tails
(D) Most of the monkeys were in search of food

136. What did monkeys see in the jungle?

(A) The monkeys saw birds in a tree
(B) The monkeys saw fire from the wood
(C) The monkeys saw some warm place to rest in the jungle
(D) None of the above

Only for reference. Do not copy

Directions: Read the passage carefully and answer the questions

Citizens are made, not born. Through men may be social animals, they are very apt to regard society as made for them, and as far as possible to use it for their own ends. It is an individual, not a member of a community, that issues from the womb, though these individuals have to live in the state and must learn how to do it. All human beings have the capacity to be citizens, but mere capacity is not enough; it needs developing and training. The vocational and personal sides of education will help little here. Men must learn how to earn their living; they must have the chance of developing body, mind and character to their full capacity. But earning a living and developing a personality are private matters, a concern of the individual, they will make a man more useful member of the state but not necessarily a better citizen; they are no guarantee that he will serve it, study its interests, carry out his duties. Indeed of overemphasized, they may, and obviously often do, make his selfish and indifferent to the common good. Vocational and personal training are dangerously incomplete without the discipline which teaches men how to play their part in the state and make them wish to do it. Education is a trinity, and one of its members is training in citizenship.

137. Which of the following may help in making a better citizen?

(A) Vocational and personal sides of education
(B) Building up body, mind and character
(C) Earning a living and developing the personality
(D) None of the above

138. Which quality does the author overemphasize as most indispensable for citizenship?

(A) Higher education
(B) Sense of discipline inspiring one's role in the affairs of the state
(C) Development of personality
(D) Spirit of sacrifice and renunciation

139. The title that best expresses the ideas of the passage is

(A) Essentials of citizenship
(B) Citizenship and common good
(C) Personality and citizen ship
(D) Vocational side of our education

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Directions: Read the passage carefully and answer the questions

Today's developing economies use much less energy per capita than developed countries such as the United States did at similar incomes, showing the potential for lower-carbon growth. Adaptation and mitigation need to be integrated into climate-smart development strategy that increases resilience, reduces the threat of further global warming, and improves development outcomes. Adaptation and mitigation measures can advance development, and prosperity can raise incomes and foster better institutions. A healthier population living in better build houses and with access to bank loans and social security is better equipped to deal with a changes in the climate, already begun, will increase even in the short term.

The spread of economic prosperity has always been intertwined with adaptation to changing ecological conditions. But growth has altered the environment and as environmental change has accelerated, sustaining growth and adaptability demands greater capacity to understand our environment, generate new adaptive technologies and practices and diffuse them widely. As economic historians have explained, much of humankind's creative potential has been directed at adapting to the changing world. But adaptation cannot cope with all the impacts related to climate change, especially as larger changes unfold in the long term. Countries cannot grow out of harm's way fast enough to match the changing climate. And some growth strategies, whether driven by the government or the market, can also add to vulnerability particularly if they overexploit natural resources. Under the soviet development plan, irrigated cotton cultivation expanded in water-stresses central Asia and led to the near disappearance of the Aral Sea, threatening the livelihoods of fishermen, herders and farmers. And clearing mangroves the natural coastal buffers against storm surges to make way for intensive farming or housing development, increases the physical vulnerability of coastal settlements, whether in Guinea or in Louisiana.

140. Which of the following conditions of growth can add to vulnerability?

(i) When the growth occurs due to excessive exploitation of mineral resources and forests
(ii) When the growth brings about a change in humankind's creative potential
(iii) When the growth is envisaged only for providing houses and social security to the people
(iv) When the growth occurs due to emphasis on farming only

Select the correct answer using the codes given below:

(A) (i) only
(B) (ii), (iii) and (iv)
(C) (i) and (iv)
(D) All the above

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141. What does low-carbon growth imply in the present context?

(i) More emphasis on the use of renewable sources of energy
(ii) Less emphasis on manufacturing sector and more emphasis on agricultural sector
(iii) Switching over from monoculture practices to mixed framing
(iv) Less demand for goods and services

Select the correct answer using the codes given below:

(A) (i) only
(B) (ii), (iii) and (iv)
(C) (i) and (iv)
(D) None of the above implies low-carbon growth

142. Which of the following conditions is/are necessary for sustainable economic growth?

(i) Spreading of economic prosperity
(ii) Popularising/spreading of adaptive technologies widely
(iii) Investing on research in adaptation and mitigation technologies

Select the correct answer using the codes given below:

(A) (i) only
(B) (ii), (iii)
(C) (i) and (iii)
(D) All the above

143. Paw : Cat :: Hoof : ?

(A) Lamb
(B) Horse
(C) Elephant
(D) Tiger

144. PETAL: FLOWER :: ?

(A) Pen: Paper
(B) Engine: Car
(C) Cat: Dog
(D) Ball: Game

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Direction: In the following question, two statements numbered as I and II are given. These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be effect of the other statements. Read both the statements and decide which of the answer choice correctly depicts the relationship between these two statements

145. **Statement I.** All the colleges in the city had to keep closed for three days a week.
Statement II. Many students have left the local colleges.

(A) Statement II is the cause and statement I is its effect
(B) Statement I is the cause and statement II is its effect
(C) Both the statements are effects of independent causes
(D) Both the statements are effects of some common cause

146. **Direction**: In the following question, two statements numbered as I and II are given. Analyze the data of both Statements and decide whether the statements are sufficient to answer the question.

What is Geeta's rank in the class?

Statement I. There are 30 students in the class.
Statement II. There are 10 students who scored less than Geeta.

(A) Statement I alone is sufficient, but statement II alone is not sufficient
(B) Statement II alone is sufficient, but statement I alone is not sufficient
(C) Either I or II is sufficient
(D) Both I and II are needed

147. If in a certain language, NOIDA is coded as OPJEB, how is DELHI coded in that language?

(A) CDKGH
(B) EFMIJ
(C) FGNJK
(D) IHLED

148. EARN is related to RANE and BOND is related to NODB in the same way as TEAR is related to

(A) AERT
(B) ATRE
(C) ARET
(D) REAT

149. Assertion (A): James Watt invented the steam engine.
Reason (R): It was invented to pump out the water from the flooded mines.

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(A) Both A and R are true and R is the correct explanation of A
(B) Both A and R are true, but R is not the correct explanation of A
(C) A is true, but R is false
(D) A is false, but R is true

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150. Pointing to a photograph, a man said, "I have no brother, and that man's father is my father's son." Whose photograph was it?

(A) His son
(B) His own
(C) His father
(D) His nephew

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ANSWER KEY

Subject Name: 103 BVOC

SI No.	Key	SI No.	Key	SI No.	Key	SI No.	Key	SI No.	Key
1	C	31	A	61	A	91	C	121	D
2	B	32	A	62	A	92	B	122	C
3	A	33	D	63	B	93	B	123	A
4	B	34	A	64	D	94	D	124	D
5	B	35	D	65	C	95	C	125	D
6	D	36	D	66	D	96	B	126	B
7	B	37	B	67	C	97	B	127	B
8	D	38	D	68	A	98	D	128	C
9	D	39	A	69	D	99	B	129	D
10	D	40	C	70	C	100	C	130	D
11	C	41	C	71	D	101	A	131	C
12	A	42	D	72	A	102	D	132	**B**
13	C	43	B	73	A	103	A	133	D
14	B	44	C	74	D	104	A	134	D
15	B	45	B	75	A	105	D	135	D
16	A	46	A	76	D	106	C	136	D
17	D	47	D	77	D	107	D	137	D
18	B	48	D	78	D	108	D	138	B
19	A	49	A	79	A	109	C	139	A
20	D	50	C	80	C	110	D	140	A
21	C	51	C	81	D	111	B	141	A
22	B	52	B	82	D	112	B	142	B
23	C	53	A	83	C	113	C	143	B
24	B	54	B	84	B	114	C	144	B
25	A	55	C	85	C	115	A	145	C
26	B	56	B	86	B	116	B	146	**D**
27	A	57	B	87	C	117	D	147	B
28	A	58	B	88	B	118	C	148	A
29	C	59	D	89	B	119	B	149	A
30	A	60	B	90	B	120	D	150	A

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