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ATMA 2021 Question Paper with Solution

AIMS Test for Management Admissions

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TEST INSTRUCTIONS

FILLING IN PERSONAL DETAILS

On receiving the Answer Sheet (this is the sheet titled “ANSWER SHEET”) please fill in your Name, Test Date, Test Time, MeritTrac ID in the space provided in the Answer Sheet. **DO NOT FAIL TO DO THIS.** Fill in the Data Sheet (this is the sheet titled “DATA SHEET” on the reverse of the Answer Sheet”).

You must receive rough sheets along with your Answer Sheets which are to be used for rough work during the Test.

TEST DESCRIPTION

This Test has section(s) as described in the table below.

Your Test has the following Sections:

Section	Section Title	Time (Minutes)	Question Nos.
1	Analytical Reasoning Skills Part A	180	1 to 30
2	Analytical Reasoning Skills Part B		31 to 60
3	Quantitative Skills Part A		61 to 90
4	Quantitative Skills Part B		91 to 120
5	Verbal Skills Part A		121 to 150
6	Verbal Skills Part B		151 to 180

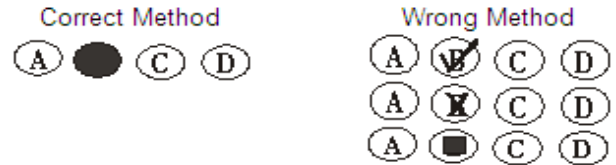
You will have to attempt Section 1 first followed by Section 2 and so on.

HOW TO TAKE A TEST?

On receiving the first Section of the Question Paper (this is the booklet titled “QUESTION PAPER”) please write down the Set number (number on the left hand top corner of the Question Paper) onto the Answer Sheet in the space provided. **DO NOT FAIL TO DO THIS.**

It is important that you try and attempt as many questions as possible. In case you are faced with a difficult question it may be a good idea to go ahead and attempt other questions and return to the questions you were unable to solve in the first attempt. There is **0.25 Negative Marking** for wrong answers and **1 mark** for the correct answer.

You should mark your answers on the Answer Sheet provided. Please indicate your answers by shading the circle with the appropriate letter for each question as shown below. Please shade the circles completely as indicated below. Do not tick or cross the circle.



You will be given rough sheets for making calculations.

In case your Test Administrator has not given you a rough sheet please ask for it before starting your Test.

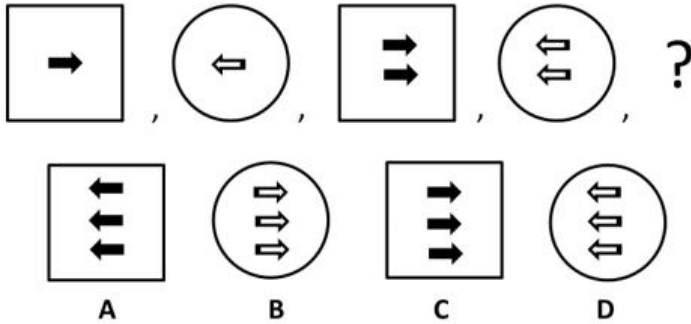
ALL THE BEST!!

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Section 1 - Analytical Reasoning Skills Part A

No. of Questions: 30

1) Which is the next figure in the figure series given?



- A) A
- B) B
- C) D
- D) C**

2) Which is the next number in the series given below?

185, 158, 133, 110, 89, ?

- A) 70**
- B) 75
- C) 73
- D) 77

3) If $X:Y = 5:7$, $X:Z = 3:8$ and $W:Y = 4:9$ then what is $X : W$?

- A) 28 : 27
- B) 28 : 45
- C) 45 : 28**
- D) 27 : 28

4) The six words given below belongs to a certain parameter belonging to cricket game. Which is that parameter that they belongs to?

(Mid-Off, Long-On, Gully, Point, Cover, Mid-On)

- A) Strategies
- B) Equipments
- C) Pitch Dimensions
- D) Field placements**

5) Which is the next number in the series given below?

307, 311, 313, 317, ?

- A) 347
- B) 349
- C) 331**
- D) 337

6) Sravan is the son of Charan's father's sister. How is Charan's father's mother related to Sravan?

- A) Cousin
- B) Grandmother**
- C) Mother
- D) Niece

7) Select one of the following four options that will make the second pair analogous to the first pair given

BDGLS : MORWD :: SUXCJ : ?

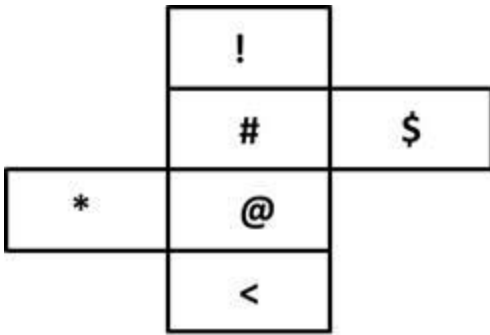
- A) CEHMS
- B) DFINU**
- C) EGJOU
- D) HJMRX

8) The three words given below belongs to a certain quantity given in one of the option. Which is that quantity that they belongs to?

(Dhaka, Kuala Lumpur, Canberra)?

- A) National Currencies
- B) Official Language
- C) Rivers
- D) Country Capitals**

9) Which symbol comes opposite to the face with letter "<", when the given question figure is folded into a box?



- A) \$
- B) #**
- C) @
- D) !

10) Information is given below followed by an inference.

Read both the information and inference and answer the question given below.

On a cloudy day Team A plays a one day cricket match against Team B. After chasing the target half way down rain interrupted the play. Eventually umpires called upon the match and announced one team as a winning team due to Duckworth Lewis Rule. Rain eventually subsided past midnight.

Inference: Rain subsided and the play was resumed.

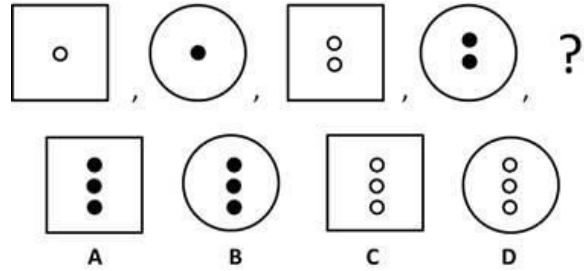
The given inference with respect to given information is

- A) UNCERTAIN
- B) FALSE**
- C) IRRELEVANT
- D) TRUE

11) In a certain code language TEMPLE is written as RBIKFC. How will MOSQUE be written in that code?

- A) KLOOLC
- B) KLOOLX
- C) KLOLOX
- D) KLOLOC**

12) Which is the next figure in the figure series given?



- A) D
- B) B
- C) A
- D) C**

13) Choose the conclusion/conclusions that follow the given statements by selecting a right option.

Statements:

All the classrooms are drawing halls.

All the laboratories are drawing halls.

Some staffrooms are laboratories.

Conclusions:

- I) Some classrooms are laboratories.
- II) Some drawing halls are staffrooms.
- III) Some drawing halls are laboratories.

- A) Only II and III follows**
- B) Only I follows
- C) Only I and III follows
- D) Only I and II follows

14) Rambo's present age is twice that of Mithun. Mithun's age 7 years later will be 22 years. What was Rambo's age 5 years ago?

- A) 25 years**
- B) 30 years
- C) 15 years
- D) 35 years

15) In a certain code language QUESTION is written as LTDRSHNO. How is ANSWER written in that code?

- A) PMRVDZ
 - B) PMRVDY**
 - C) QMRVDZ
 - D) QMRVDY
-

16) In the following questions mark:

- 1, if the question can be answered with the help of statement I alone.
- 2, if the question can be answered with the help of statement II alone.
- 3, if the question can be answered with the help of both I and II.
- 4, if the question can't be answered at all.

What is the largest angle in triangle PQR?

Statement I : Angle P is 60 degrees.

Statement II : Sum of other two angles is 120 degrees.

- A) 2
 - B) 3
 - C) 4**
 - D) 1
-

17) In the following questions mark:

- 1, if the question can be answered with the help of statement I alone.
- 2, if the question can be answered with the help of statement II alone.
- 3, if the question can be answered with the help of both I and II.
- 4, if the question can't be answered at all.

Among Priyanka, Qureshi and Raagini, who is shorter than Qureshi?

Statement I : Priyanka is taller than Raagini.

Statement II : Raagini is taller than Qureshi

- A) 2
 - B) 3**
 - C) 1
 - D) 4
-

18) If Latha ran for 5 minutes at a speed of 20 kmph, then what distance (in meters) will be covered?

- A) 1667**
 - B) 1267
 - C) 1500
 - D) 1000
-

19) Which is the next number in the series given below?

17, 25, 32, 37, 47, ?

- A) 52
 - B) 51
 - C) 58**
 - D) 55
-

20) Choose the conclusion/conclusions that follow the given statements by selecting a right option.

Statements:

Some producers are writers.

All writers are singers.

Conclusions:

I) Some producers are singers

II) No writer is producer

- A) Only II follows
 - B) Only I follows**
 - C) None follow
 - D) Both I and II follows
-

21) There are eight ministers of different ages pertaining to Agriculture (A), Broadcasting information (B), Commercial Tax (C), Defence (D), Education (E), Finance (F), Geology (G) and Health (H) who are sitting around a circular conference table in a hall. All ministers are facing towards the center of the table. Ages of ministers are viz. 49 yrs, 50 yrs, 51 yrs, 52 yrs, 53 yrs, 54 yrs, 55 yrs and 56 yrs in a random order.

There are few informations given about their way of sitting.

Geology minister sits third to the left of minister of Broadcasting information, who is 51 yrs old.

Three ministers sit between ministers of Geology and Commercial Tax who is 49 yrs old.

Two ministers sit between ministers of Commercial Tax and Health.

A 56 yrs old sits to the immediate left of Health minister.

Two ministers sits between the one who is 56 yrs old and the 50 yrs old Finance minister.

Agriculture minister faces Education minister but no one of them is 56 yrs old.

Defence minister NEVER sits adjacent to Education minister.

A 55 yrs old minister sits third to the right of a 52 yrs old minister.

A 54 yrs old minister sits to the immediate left of a 55 yrs old minister.

Which minister is 54 years old?

- A) Education
- B) Commercial Tax
- C) Defence
- D)** Health

22) Information is given below followed by an inference.

Read both the information and inference and answer the question given below.

On a cloudy day Team A plays a one day cricket match against Team B. After chasing the target half way down rain interrupted the play. Eventually umpires called upon the match and announced one team as a winning team due to Duckworth Lewis Rule. Rain eventually subsided past midnight.

Inference : Rain affected match has no result i.e. the match is drawn.

The given inference with respect to given information is

- A) IRRELEVANT
- B) TRUE
- C)** FALSE
- D) UNCERTAIN

23) Information is given below followed by an inference.

Read both the information and inference and answer the question given below.

On a cloudy day Team A plays a one day cricket match against Team B. After chasing the target half way down rain interrupted the play. Eventually umpires called upon the match and announced one team as a winning team due to Duckworth Lewis Rule. Rain eventually subsided past midnight.

Inference : Team B lost over Team A.

The given inference with respect to given information is

- A) TRUE
- B) IRRELEVANT
- C) FALSE
- D)** UNCERTAIN

24) Select one of the following four options that will make the second pair analogous to the first pair given

Racket : Tennis :: Cue-Stick : ?

- A) Chess
- B) Cricket
- C) Volleyball
- D)** Snooker

25) Four terms are given, of which three are alike in some way while the other one is different. Which is the odd one out?

- A) Tokyo
- B) Moscow
- C) London
- D)** Kolkata

26) There are eight ministers of different ages pertaining to Agriculture (A), Broadcasting information (B), Commercial Tax (C), Defence (D), Education (E), Finance (F), Geology (G) and Health (H) who are sitting around a circular conference table in a hall. All ministers are facing towards the center of the table. Ages of ministers are viz. 49 yrs, 50 yrs, 51 yrs, 52 yrs, 53 yrs, 54 yrs, 55 yrs and 56 yrs in a random order.

There are few informations given about their way of sitting.

Geology minister sits third to the left of minister of Broadcasting information, who is 51 yrs old.

Three ministers sit between ministers of Geology and Commercial Tax who is 49 yrs old.

Two ministers sit between ministers of Commercial Tax and Health.

A 56 yrs old sits to the immediate left of Health minister.

Two ministers sits between the one who is 56 yrs old and the 50 yrs old Finance minister.

Agriculture minister faces Education minister but no one of them is 56 yrs old.

Defence minister NEVER sits adjacent to Education minister.

A 55 yrs old minister sits third to the right of a 52 yrs old minister.

A 54 yrs old minister sits to the immediate left of a 55 yrs old minister.

What is the age of Agriculture minister?

- A) 54 years
- B) 53 years**
- C) 55 years
- D) 56 years

27) Given below a statement followed by 2 arguments. Choose the strong argument by selecting a relevant option.

Statement: Do we need student unions in colleges?

Arguments:

I : Yes. They act like a bridge between the students and the management.

II : No. They unnecessarily create issues between the students and the management.

- A.Only argument I is strong
- B.Only argument II is strong
- C.Neither I nor II is strong
- D.Both I and II are strong

- A) A**
- B) B
- C) D
- D) C

28) Given below a statement followed by 2 arguments. Choose the strong argument by selecting a relevant option.

Statement: Should India give away Arunachal Pradesh to China?

Arguments:

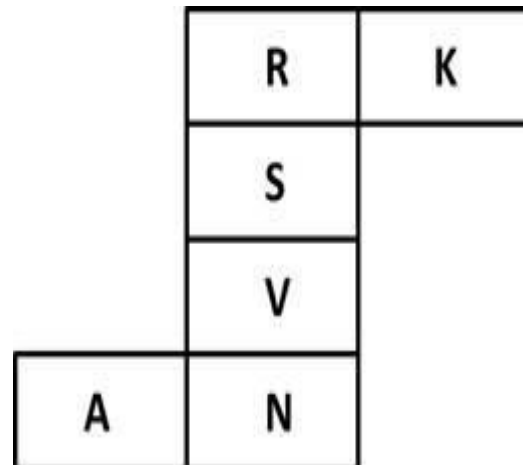
I : Yes. It settles the border disputes and maintains normalcy in that region.

II : No. It is one of the beautiful regions in India with a rich traditional and cultural values. It attracts a lot of tourism as well which generates good revenues.

- A.Only argument I is strong
- B.Only argument II is strong
- C.Neither I nor II is strong
- D.Both I and II are strong

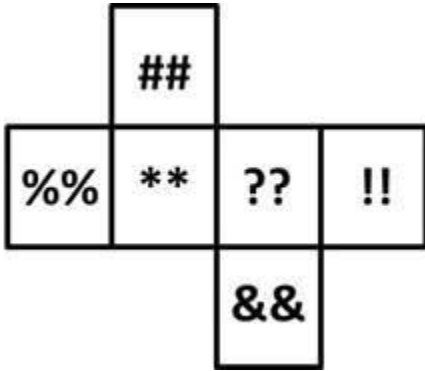
- A) C**
- B) A
- C) B
- D) D

29) Which letter comes opposite to the face with letter "V" when the given question figure is folded in to a box?



- A) A
- B) N
- C) K
- D) R

30) Which symbol comes opposite to the face with letter "??", when the given question figure is folded into a box?



- A) %%
- B) !!
- C) ##
- D) &&

Section 2 - Analytical Reasoning Skills Part B

No. of Questions: 30

31) Choose the conclusion/conclusions that follow the given statements by selecting a right option.

Statements:

- All the eyes are legs.
- All the legs are hands.
- Some hands are ears.

Conclusions:

- I) Some eyes are ears.
- II) Some ears are legs.
- III) All the eyes are hands.
- IV) Some ears are hands.

- A) Only I and II follows
- B) Only II and III follows
- C) Only III and IV follows
- D) Only I and IV follows

32) There are eight ministers of different ages pertaining to Agriculture (A), Broadcasting information (B), Commercial Tax (C), Defence (D), Education (E), Finance (F), Geology (G) and Health (H) who are sitting around a circular conference table in a hall. All ministers are facing towards the center of the table. Ages of ministers are viz. 49 yrs, 50 yrs, 51 yrs, 52 yrs, 53 yrs, 54 yrs, 55 yrs and 56 yrs in a random order.

There are few informations given about their way of sitting.

Geology minister sits third to the left of minister of Broadcasting information, who is 51 yrs old.

Three ministers sit between ministers of Geology and Commercial Tax who is 49 yrs old.

Two ministers sit between ministers of Commercial Tax and Health.

A 56 yrs old sits to the immediate left of Health minister.

Two ministers sits between the one who is 56 yrs old and the 50 yrs old Finance minister.

Agriculture minister faces Education minister but no one of them is 56 yrs old.

Defence minister NEVER sits adjacent to Education minister.

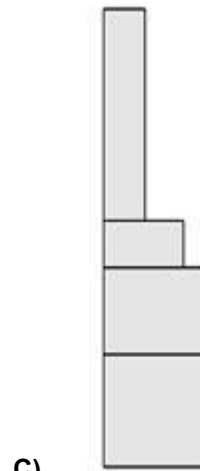
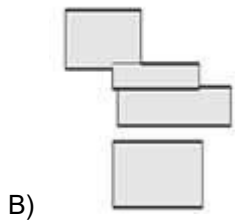
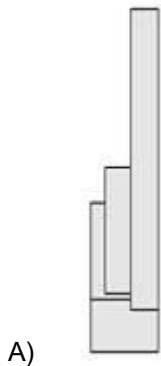
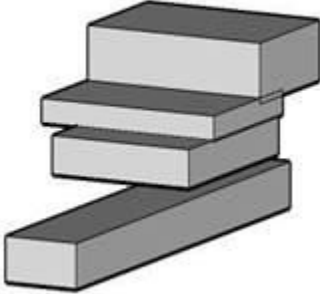
A 55 yrs old minister sits third to the right of a 52 yrs old minister.

A 54 yrs old minister sits to the immediate left of a 55 yrs old minister.

Which minister among the following sits third to the right of Health minister?

- A) Agriculture
- B) Education
- C) Commercial Tax
- D) Finance

33) Look at the image below and decide which of the four options would accurately represent this model as seen from above?



34) The next number in the sequence 24, 36, 52, 68, 84, is

- A)** 100
- B) 89
- C) 96
- D) 92

35) Which is the next number in the series given below?

5, 86, 150, 199, 235, ?

- A)** 260
- B) 271
- C) 251
- D) 244

36) Raju is the son of Akshith's father's sister. How is Raju's father related to Akshith's father's father?

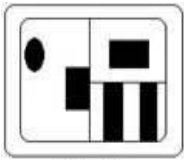
- A) Father
- B) Grandfather
- C)** Son-in-Law
- D) Grandson

37) Select one of the following four options that will make the second pair analogous to the first pair given

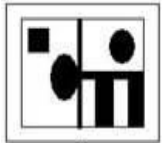
Ammeter : Current :: Hygrometer : ?

- A) Voltage
- B) Weight
- C) Humidity**
- D) Atmospheric Pressure

38) Which of the figure among the answer figures below, is similar to the problem figure in any certain manner?



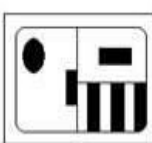
Problem



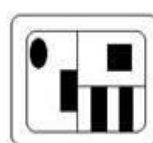
A.



B.



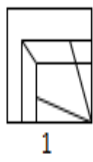
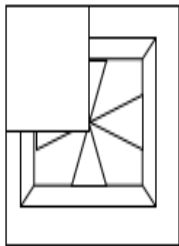
C.



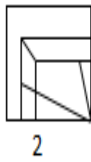
D.

- A) D**
- B) B
- C) A
- D) C

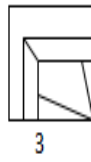
39) Choose the image, which completes the pattern



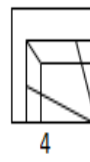
1



2



3



4

- A) 4
- B) 3**
- C) 1
- D) 2

40) In the following questions mark:

1, if the question can be answered with the help of statement I alone.

2, if the question can be answered with the help of statement II alone.

3, if the question can be answered with the help of both I and II.

4, if the question can't be answered at all.

If $P / Q = 5$, what is the value of P?

Statement I : Q is the smallest odd prime number.

Statement II : P is an integer.

- A) 1**
- B) 2
- C) 4
- D) 3

41) In a certain code language, MIRINDA is written as 4999541. How would SPRITE be written in that code?

- A) 178925
- B) 178825
- C) 179925**
- D) 179825

42) Choose the conclusion/conclusions that follow the given statements by selecting a right option.

Statements:

All mambas are pythons.

No python is cobra.

Conclusions:

I) No mamba is cobra

II) All pythons are mambas.

- A) Only I follows**
- B) Both I and II follows
- C) None follow
- D) Only II follows

43) Choose the conclusion/conclusions that follow the given statements by selecting a right option.

Statements:

Some pancakes are buns.

Some buns are salads.

No salad is custard.

Conclusions:

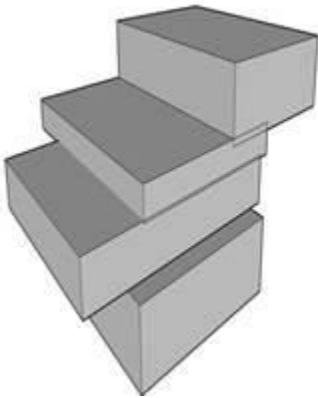
I) No custard is bun.

II) No salad is pancake.

III) Some buns are pancakes.

- A)** Only III follows
- B) Only I follows
- C) Only II and III follows
- D) Only I and II follows

44) Look at the image below and decide which of the four options would accurately represent this model as seen from Below?



A)



B)



C)

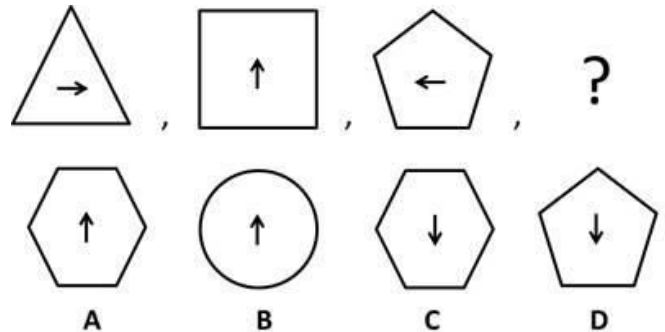


D)

45) In a certain code VISION is written as UIUIOO, how is HATES written in that code?

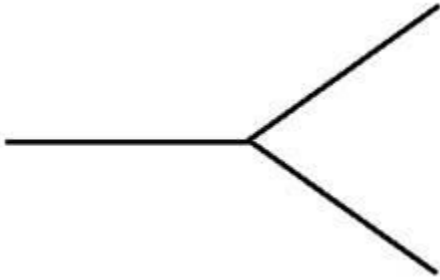
- A)** IAUEU
- B) OAUEU
- C) IEUEU
- D) OEUEU

46) Which is the next figure in the figure series given?



- A) A
- B) D
- C) C**
- D) B

47) Below is given a figure, formed by three straight lines each of length 4 cm. If this figure is to be made through dots such that distance between two consecutive dots is 1 cm, then how many dots will be required to do so?



- A) 14
- B) 12
- C) 13**
- D) 11

48) Aadhya is Mithun's only sister's husband's sister Karunya's daughter. How is Mithun's wife related to Karunya's only sister in law ?

- A) Granddaughter
- B) Daughter-in-law
- C) Niece
- D) Sister-in-law**

49) There are eight ministers of different ages pertaining to Agriculture (A), Broadcasting information (B), Commercial Tax (C), Defence (D), Education (E), Finance (F), Geology (G) and Health (H) who are sitting around a circular conference table in a hall. All ministers are facing towards the center of the table. Ages of ministers are viz. 49 yrs, 50 yrs, 51 yrs, 52 yrs, 53 yrs, 54 yrs, 55 yrs and 56 yrs in a random order.

There are few informations given about their way of sitting.

Geology minister sits third to the left of minister of Broadcasting information, who is 51 yrs old.

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Two ministers sit between ministers of Commercial Tax and Health.

A 56 yrs old sits to the immediate left of Health minister.

Two ministers sits between the one who is 56 yrs old and the 50 yrs old Finance minister.

Agriculture minister faces Education minister but no one of them is 56 yrs old.

Defence minister NEVER sits adjacent to Education minister.

A 55 yrs old minister sits third to the right of a 52 yrs old minister.

A 54 yrs old minister sits to the immediate left of a 55 yrs old minister.

Which minister among the following sits second to the right of youngest minister?

- A) Education
- B) Agriculture**
- C) Broadcasting Information
- D) Finance

50) Choose the conclusion/conclusions that follow the given statements by selecting a right option.

Statements:

All cities are countries.

All towns are countries.

Conclusions:

I) All cities are towns.

II) Some towns are cities.

- A) Only I follows
- B) Only II follows
- C) Both I and II follows
- D) None of the conclusions follow**

51) Given below a statement followed by 2 arguments. Choose the strong argument by selecting a relevant option.

Statement: Should government reimburse a part of technical education fees of the talented poor students?

Arguments:

I : Yes. Reimbursing will help them to reduce the financial burden and concentrate more on education.

II : No. Everybody should pay the same fees.

- A. Only argument I is strong
- B. Only argument II is strong
- C. Neither I nor II is strong
- D. Both I and II are strong

- A) D
- B) B
- C) C
- D) A**

52) In the following questions mark:

- 1, if the question can be answered with the help of statement I alone.
- 2, if the question can be answered with the help of statement II alone.
- 3, if the question can be answered with the help of both I and II.
- 4, if the question can't be answered at all.

What is the relation between Sachin and David?

Statement I : Kohli is the younger brother of Sachin.

Statement II : Kohli is David's son.

- A) 3**
- B) 1
- C) 4
- D) 2

53) In the following questions mark:

- 1, if the question can be answered with the help of statement I alone.
- 2, if the question can be answered with the help of statement II alone.
- 3, if the question can be answered with the help of both I and II.
- 4, if the question can't be answered at all.

When is Thompson's wedding anniversary this year?

Statement I : It is between 22nd and 25th of a month, 22nd being Thursday.

Statement II : It is in the month of April.

- A) 1
- B) 3
- C) 4**
- D) 2

54) Select one of the following four options that will make the second pair analogous to the first pair given

ACTIVE : CAITEV :: CACTUS : ?

- A) CTACSU
- B) ASCTUC
- C) CCATSU
- D) ACTCSU**

55) Given below a statement followed by 2 arguments. Choose the strong argument by selecting a relevant option.

Statement: Are life skills important for an individual?

Arguments:

- I : Yes. They help an individual to develop self confidence.
- II : No. An individual needs only education. Nothing else is required.

- A. Only argument I is strong
- B. Only argument II is strong
- C. Neither I nor II is strong
- D. Both I and II are strong

- A) C
- B) D
- C) A**
- D) B

56) In three of the options, the 2nd number is related to the first number in a similar logical way. Which is the odd one out?

- A) 10010 - 23
- B) 10000 - 14
- C) 10111 - 42**
- D) 11111 - 50

57) Assuming the statement given in each question to be true, choose the inference as one of the following:

- (A) - True
- (B) - False
- (C) - Uncertain
- (D) - None of the options.

Statement: Only strugglers become politicians.

Inference: All politicians are not strugglers.

- A) A
- B) B**
- C) C
- D) D

58) Assuming the statement given in each question to be true, choose the inference as one of the following:

- (A) - True
- (B) - False
- (C) - Uncertain
- (D) - None of the options.

Statement: Some sweets contain sugar.

Inference: Some sweets do not contain sugar.

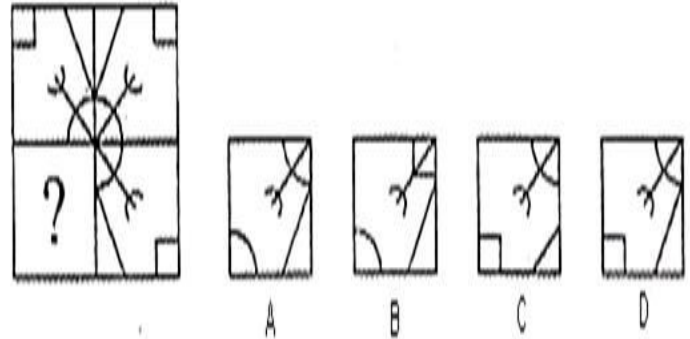
- A) D
- B) B
- C) C**
- D) A

59) The numbers given below are similar due to a special characteristic. Which is that special characteristic that binds all of them?

(8, 27, 125, 343, 1331)

- A) Cubes of composite numbers
- B) Squares of prime numbers
- C) Cubes of prime numbers**
- D) Prime numbers

60) In each of the following question, a part of the figure is missing. Find out from the given options, the right figure to fit in the missing figure.



- A) D**
- B) B
- C) A
- D) C

Section 3 - Quantitative Skills Part A

No. of Questions: 30

61) The ratio of milk and water in a solution is 4:1. If 5 litres of water is added to 25 litres of the solution, then what would be the ratio of milk to water in the final solution?

- A) 3 : 1
- B) 2 : 1**
- C) 1 : 1
- D) 4 : 1

62) The mean of 15 observations is 30. If one more observation is included, then the new mean becomes 31. What is the 16th observation?

- A) 44
- B) 45
- C) 46**
- D) 47

63) If $(x^3 - y^3) : (x^2 + xy + y^2) = 7 : 1$ and

$(x^2 - y^2) : (x - y) = 9 : 1$, then what is the ratio between

x and 8y?

- A) 1 : 2
- B) 1 : 8
- C) 1 : 4
- D) 1 : 1**

64) Among 165 examinees in a certain school, the ratio of successful to unsuccessful students is 10 : 1. If 5 more students were successful, then what would have been the ratio of successful to unsuccessful students?

- A) 9 : 2
- B) 41 : 2
- C) 21 : 2
- D) 31 : 2**

Directions for questions 65-66:

Study the information below and answer the following questions:

Medals achieved by 4 states in year 2015

Country → Medals ↓	A	B	C	D
Gold	17	34	39	10
Silver	19	27	33	21
Bronze	31	4	18	47

65) Which country's number of Bronze medals is exactly 4.5 times that of the number of Bronze medals of another country?

- A) A
- B) B
- C) D
- D) C**

66) Find the ratio of total number of medals received by country D to number of gold medals received by Country C.

- A) 4:1
- B) 1:5
- C) 2:1**
- D) 3:2

67) If \times stands for 'addition', \div stands for 'subtraction', $+$ stands for 'multiplication' and $-$ stands for 'division', then what is the value of $10 \times 4 - 4 \div 2 + 1$?

- A) 39
- B) 19
- C) 9**
- D) 29

68) A man walking at the rate of 9 km/hr crosses a street in 10 minutes. What is the length of the street (in metres)?

- A) 1500 m**
- B) 2000 m
- C) 900 m
- D) 1000 m

69) A can do a piece of work in 10 days and B can do the same piece of work in 15 days. In how many days can A and B together finish the work?

- A) 5
- B) 3
- C) 4
- D) 6**

70) Modi spends 60% of his income and saves the rest. If his income increases by 20% and his expenditure increases by 10%, then what is the percentage increase in his savings?

- A) 40
- B) 30
- C) 45
- D) 35**

71) What is the value of $0.11 \times 0.12 \times 0.07$?

- A) 9.24×10^{-3}
- B) 9.24×10^{-6}
- C) 9.24×10^{-5}
- D) 9.24×10^{-4}**

72) If A means 'add to', B means 'multiply by', C means 'subtract from' and D means 'divide by' then what is the value of $30 \text{ D } 2 \text{ A } 3 \text{ B } 6 \text{ C } 5$?

- A) 18
- B) 28**
- C) 48
- D) 38

73) In a triangle ABC, $\angle A + \angle B = 80^\circ$ and $\angle B + \angle C = 110^\circ$. What is the measure of angle A?

- A) 90°
- B) 80°
- C) 70°**
- D) 60°

74) An amount invested at compounded interest becomes ₹ 3,600 after 2 years and ₹ 5,184 after 4 years. What is the amount invested?

- A) ₹ 2000
- B) ₹ 3000
- C) ₹ 2600
- D) ₹ 2500**

75) What is the correct expression of 5.565656..... in the fractional form?

- A) 556/99
- B) 550/99
- C) 551/99**
- D) 555/99

76) A number when divided by 774 leaves a remainder of 53. If the same number is divided by 43, then what will be the remainder?

- A) 33
- B) 4
- C) 2
- D) 10**

77) What is the smallest number of 5 digits that is exactly divisible by 517?

- A) 10000
- B) 51700
- C) 10517
- D) 10340**

78) A sum of money invested at compounded interest amounts to 7 times itself in 7 years. In how many years will it amount to 49 times itself ?

- A) 21 years
- B) 343 years
- C) 49 years
- D) 14 years**

79) If $A : B = 5 : 3$ and $B : C = 7 : 5$, then what is the value of $A : B : C$?

- A) 30 : 28 : 25
- B) 25 : 28 : 15
- C) 35 : 21 : 15**
- D) 15 : 21 : 25

80) If the diagonals of two squares are in the ratio of 3 : 8. What will be the ratio of their area?

- A) 3 : 8
- B) 8 : 3
- C) 64 : 9
- D) 9 : 64**

81) The cost price of 3 dozen bananas is ₹ 48. After selling 30 bananas at the rate of ₹ 14 per dozen, the shopkeeper reduces the rate to ₹ 2 per dozen. What is the loss percentage?

- A) 33.33%
- B) 25%**
- C) 66.67%
- D) 20%

82) In a division problem, the divisor is 5 times the quotient and 2 times the remainder. If remainder is 15, then what is the dividend?

- A) 90
- B) 180
- C) 77
- D) 195**

83) If $2463@7$ is divisible by 11, then what is the digit in place of @?

- A) 9
- B) 4
- C) 6**
- D) 7

84) The average of 10 results is 40 and the average of other 40 results is 10. What is the average of all the results together?

- A) 8
- B) 50
- C) 16**
- D) 25

85) The ratio of the number of boys and girls in a college is 7 : 3. If 30% of the boys and 20% of the girls are adults, then what percentage of the total students is NOT adult?

- A) 50
- B) 73**
- C) 75
- D) 27

86) The percentage of profit made when an article is sold for ₹ 111 is twice as much as when it is sold for ₹ 99. What is the cost price of the article?

- A) ₹ 12
- B) ₹ 90
- C) ₹ 87**
- D) ₹ 24

87) If A's salary is 100% more than that of B, then by what percentage B's salary is less than that of A?

- A) 75
- B) 100
- C) 200
- D) 50**

88) The salary of a person is first decreased by 25% and then the decreased salary is increased by 25%. What is the net percentage change in his salary?

- A) 0.625% decrease
- B) 6.25% decrease**
- C) No change
- D) 6.25% increase

89) A person crosses a 1000 m long bridge in 15 minutes, What is his speed in km per hour?

- A) 4 km/hr**
- B) 6 km/hr
- C) 2 km/hr
- D) 1 km/hr

90) A, B and C can do a piece of work in 40, 60 and 120 days respectively. In how many days can A, B and C together finish the work?

- A) 60
- B) 10
- C) 20**
- D) 30

Section 4 - Quantitative Skills Part B

No. of Questions: 30

91) The average weight of A, B and C is 80 kg. If the average weight of A and B be 74 kg and that of B and C be 84 kg, then what is the weight (in kg) of B?

- A) 78 kg
- B) 76 kg**
- C) 84 kg
- D) 80 kg

92) A train is travelling at the rate of 36 km/hr. How many seconds it will take to cover a distance of 0.5 km?

- A) 30 s
- B) 18 s
- C) 72 s
- D) 50 s**

93) The ratio of the number of boys to girls in a school with 660 students is 8 : 3. How many more girls should be admitted to the school to make the ratio 1 : 1?

- A) 500
- B) 400
- C) 300**
- D) 200

94) ₹ 84,808 becomes thrice itself in 4 years at certain rate of interest. In how many years will it become 9 times itself at the same rate of compound interest?

- A) 8**
- B) 16
- C) 4
- D) 12

95) Find the approximate value of $5.931 \times 3.61 + 2.19 - 7 \frac{1}{2}$

- A) 14.25
- B) 18.2
- C) 16.1**
- D) 17.9

96) A 300 metre long train is running at a speed of 72 km/hr. How many seconds it take to cross 500 metre long bridge ?

- A) 80 s
- B) 15 s
- C) 40 s**
- D) 50 s

97) A can do a job in 9.8 days and B can do it in 14 days. They work together for 3.5 days and A goes away. In how many days will B finish the remaining work?

- A) 3.6 days
- B) 5.5 days**
- C) 6.3 days
- D) 7.2 days

98) If \times means \div , $-$ means \times , \div means $+$ and $+$ means $-$ than what is the value of $(5 - 3 \div 1) \times 16 + 1$?

- A) 33
- B) 0**
- C) 1
- D) 34

99) What is the difference between Compound interest and Simple interest on ₹ 10,00,000 for 3 years at 4% per annum rate of interest?

- A) ₹ 5,890
- B) ₹ 8,246
- C) ₹ 6,724
- D) ₹ 4,864**

100) Find the approximate value of $2.161 \div 3.2 - 4.33 + 5.1 \times 3.23$

- A) 18.47
- B) 10.13
- C) 12.81**
- D) 14.69

Directions for questions 101-103:

Given below are the runs scored by top 5 Indian players in the recently concluded India – Australia series. Answer the questions based on the information given. [Others include the runs scored by other players+ runs came as “extras”]

Players	Match 1	Match 2	Match 3	Match 4	Match 5
Shikhar	32	64	20	78	15
Rohit	10	25	102	42	35
Virat	55	30	28	60	35
Dhoni	35	31	60	55	25
Raina	68	25	30	25	45
Others	60	75	30	30	50
Total	260	250	270	290	205

101) What is the approximate average of the total runs scored by India in all the five matches together?

- A) 265
 B) 245
C) 255
 D) 275

102) Who among the top 5 players scored maximum runs in the series?

- A) Dhoni
 B) Virat
 C) Shikhar
D) Rohit

103) Rohit's score in Match 3 is approximately what percentage of his total runs in the series?

- A) 64.8%
 B) 33.7%
C) 47.6%
 D) 56.2%

104) The average height of a group of 7 friends is 182 cms. If a person with a height of 170 cm leaves the group, then what would be the new average height?

- A) 194 cm
B) 184 cm
 C) 180 cm
 D) 186 cm

105) In how many years will ₹ 24,000 amount to ₹ 31,944 when invested at the annual interest rate of 10% compound interest compounded annually?

- A) 2
 B) 4
 C) 5
D) 3

106) Amit ate $\frac{1}{7}$ of a cake. Ajay ate $\frac{1}{5}$ of what was left. What fraction of the cake was left uneaten?

- A) $\frac{1}{35}$
 B) $\frac{34}{35}$
 C) $\frac{11}{35}$
D) $\frac{24}{35}$

107) A boy was asked to calculate $(\frac{2}{7})^{\text{th}}$ of a certain number. Instead of multiplying the number by $(\frac{2}{7})$ he divided it by $(\frac{2}{7})$. If his answer exceeded the correct answer by 90, then what is the number?

- A) 84
 B) 14
 C) 45
D) 28

108) If the average of the first 9 integers in a series of 15 consecutive odd integers is 41, then what is the average of all the 15 odd integers in the series?

- A) 49
B) 47
 C) 43
 D) 45

109) A merchant bought 150 eggs, out of which 45 eggs were broken. He sold the remaining eggs at the rate of ₹ 8.80 per dozen and thus made an overall profit of 10%. What was his total investment?

- A) 80
B) 70
 C) 110
 D) 60

110) A man borrowed ₹ 10,500 at 10% compound interest. How much he has to pay annually at the end of each year, to settle his loan in 2 years ?

- A) ₹ 6050
- B) ₹ 5250
- C) ₹ 6060
- D) ₹ 6000

111) Few apples were bought at the rate of 3 apples for ₹ 2, and sold at the rate of 2 apples for ₹ 3. What is the gain percentage?

- A) 100
- B) 50
- C) 75
- D) 125

112) In a triangle ABC, D is the midpoint of BC. If $AB = 8$ m; $AC = 10$ m and $DB = 6$ m, then the approximate length of AD is

- A) 5 m
- B) 11 m
- C) 9 m
- D) 7 m

113) A wheel of car makes 3900 revolutions in 2 hours. If the radius of the wheel is 21 cm, then speed of the car is

- A) 63.5 m/sec
- B) 71.5 m/sec
- C) 92.56 m/sec
- D) 0.715 m/sec

114) A man buys certain number of bananas at 8 per rupee and same number at 18 per rupee. He mixes them together and sells at 10 per rupee. The approximate gain or loss percentage is

- A) 15% loss
- B) 20% gain
- C) 23% loss
- D) 11% gain

115) The difference of two numbers is 30% of their sum. Find the ratio of the larger number to the smaller number.

- A) 13:10
- B) 7:3
- C) 13:7
- D) 13:3

116) By selling 70 ball pens for ₹ 120 a retailer loses 40%. How many ball pens should he sell for ₹ 116 so as to make a profit of 40%?

- A) 29
- B) 30
- C) 27
- D) 28

117) Two numbers X and Y leave a remainder of 17 and 7 respectively when divided by 23. If the sum $(X + Y)$ is divided by 23, then what would be the remainder?

- A) 1
- B) 21
- C) 22
- D) 2

118) Which two signs must be interchanged to make the following equation correct?

$$2 + 5 \times 3 - 1 \div 0 = 17$$

- A) – and +
- B) \times and +
- C) – and \div
- D) \times and –

119) A is 6.5 times as good workman as B. Together they finish the work in 3 days. In how many days approximately A alone can do it?

- A) 15 days
- B) 20 days
- C) 4 days
- D) 6 days

120) A and B together can finish a piece of work in 20 days. If A alone can finish the work in 30 days, then in how many days can B alone finish the same work?

- A) 50
- B) 25
- C) 60
- D) 10

Section 5 - Verbal Skills Part A

No. of Questions: 30

121) Choose the correct option to complete the sentence:

You should take _____ umbrella with you as it might rain.

- A) A
- B) No article
- C) The
- D) An**

122) Choose the correct option to complete the sentence:

My mother does not like to see ___ untidy room.

- A) A
- B) An**
- C) No Article
- D) The

123) Choose the correct option to complete the sentence:

He _____ a hotel in this town.

- A) was owning
- B) is owning
- C) owns**
- D) had been owning

124) Which of the following is the nearest in meaning to the given word?

imminen

- A) impending**
- B) important
- C) imaginary
- D) imitation

125) Choose the correct option to complete the sentence:

There are _____ papers lying on the table.

- A) any
- B) much
- C) some**
- D) little

126) Choose the correct option to complete the sentence:

_____ virtue is its own reward.

- A) The
- B) No Article
- C) A**
- D) An

127) Choose the correct option to complete the sentence:

This is a birthday gift _____ my brother.

- A) from**
- B) unto
- C) of
- D) since

128) Choose the correct option to complete the sentence:

You have chosen _____ best gift for me.

- A) The**
- B) A
- C) An
- D) No Article

129) Choose the correct option to complete the sentence:

They _____ friends for a long time.

- A) been
- B) have been**
- C) would be
- D) will had been

130) Choose the correct option to complete the sentence:

_____ poor are always neglected.

- A) A
- B) The**
- C) An
- D) No article

131) Fill in the blanks with the correct option.

I love the house _____ which I grew up.

- A) From
- B) By
- C) In**
- D) With

132) Fill in the blanks with the correct option.

Little Willie came home all wet and dirty _____ the baseball game.

- A) In
 - B) With
 - C) For
 - D) From**
-

133) Choose the correct option to complete the sentence:

I _____ my course by the end of next month.

- A) have finished
 - B) was finishing
 - C) will have finished**
 - D) would be finishing
-

134) Choose the correct option to complete the sentence:

She is married _____ a foreigner.

- A) into
 - B) among
 - C) to**
 - D) with
-

135) Choose the correct option to complete the sentence:

I left my job _____ month ago.

- A) A**
 - B) The
 - C) No Article
 - D) An
-

Directions for questions 136 -141:

Read the passage and answer the questions that follow:

The educational value of reading books cannot be matched by watching television. Many have argued that children gain knowledge by watching channels such as Animal Planet and Discovery. But reading improves our language and holds our attention. Television fosters short attention span, as TV programs pack the action into 8-minute segments followed by commercial breaks. There is no time for reflection and no time to process the message being conveyed. The child's most important learning tool asking questions is taken away. TV also disrupts the most important language lesson which is family conversation. Children imbibe false values by watching commercials, which promote the idea that the solutions to all life problems can be purchased.

136) TV disrupts the most important language lesson which is

- A) family conversation**
 - B) reading comic books
 - C) watching television
 - D) listening to the radio
-

137) TV programs pack the action into 8-minute segments followed by commercial breaks. This

- A) fosters short attention span**
 - B) disrupts the quality of the show
 - C) gives the viewer free time
 - D) creates disinterest
-

138) According to the passage, which of the following channels is considered suitable for children?

- A) HBO and Comedy Central
 - B) Animal Planet and Discovery**
 - C) Star Movies and Star World
 - D) Colors and Zoom
-

139) Reading books is considered more beneficial for children than watching television because

- A) of its educational value**
 - B) reading is a pleasure
 - C) books are easily available
 - D) watching television improves eyesight
-

140) How is reading books different from watching television?

- A) Watching television improves our eyesight.
 - B) Watching television develops foul language.
 - C) Reading improves our language and holds our attention**
 - D) Reading makes us sedentary.
-

141) Which of these is a false value propagated by TV commercials?

- A) Solutions to life problems can be purchased**
 - B) Hard work is related to success
 - C) All fairness creams are equally effective
 - D) Detergents can be harmful for clothes
-

142) Choose the correct option to complete the sentence:

This book is _____ interesting than the last one that I read.

- A) More**
- B) Most
- C) Much
- D) Very

143) Choose the correct option to complete the sentence:

How _____ money do you have in your wallet?

- A)** Much
 - B) More
 - C) Many
 - D) Few
-

144) Choose the correct option to complete the sentence:

He jumped _____ the lake to save the drowning child.

- A) in
 - B) across
 - C)** into
 - D) below
-

145) Choose the correct option to complete the sentence:

Only _____ of the candidates completed the test.

- A) several
 - B)** a few
 - C) many
 - D) a little
-

146) Choose the correct option to complete the sentence :

He ran _____ the end of the road.

- A)** to
 - B) for
 - C) between
 - D) over
-

147) Choose the correct option to complete the sentence:

_____ the students were asked to assemble in the hall.

- A)** All
 - B) Few
 - C) Many
 - D) Whole
-

148) Choose the correct option to complete the sentence:

The food we have prepared will not be _____ for the guests.

- A) Much more
 - B)** Enough
 - C) Few
 - D) A little more
-

149) Identify the correct synonym:

Bland

- A) Crude
 - B) Exciting
 - C)** Banal
 - D) Tasty
-

150) Which of the following is the nearest in meaning to the given word?

illusion

- A) deception
 - B)** perception
 - C) deduction
 - D) reduction
-

Section 6 - Verbal Skills Part B

No. of Questions: 30

151) Choose the correct option to complete the sentence:

She _____ the book on the table.

- A) lain
 - B)** laid
 - C) lie
 - D) lay
-

152) Fill in the blanks with the correct option:

The king was pleased with _____ queen and _____ minister, so aptly awarded them.

- A)** the, the
 - B) the, a
 - C) an, a
 - D) a, an
-

153) Find the word that means the same as:

A detailed plan or route of a journey

- A) Travel
 - B)** Itinerary
 - C) Course
 - D) Path
-

154) Find the word that means the same as:

Capable of burning

- A) Inflatable
 - B) Combustible**
 - C) Edible
 - D) Eligible
-

155) Choose the correct option to complete the sentence:

The estate stretches _____ 5 acres of agricultural land.

- A) besides
 - B) beyond
 - C) further
 - D) across**
-

156) Fill in the blanks with the appropriate options:

Odysseus had not been home for _____ years, therefore he felt _____ apprehensive as he approached Ithaca.

- A) Few, many
 - B) Several, a little**
 - C) Many, little
 - D) A lot of, many
-

157) Find the word that means the same as:

When you are acting of your own free will.

- A) Forced
 - B) Involuntary
 - C) Coerced
 - D) Voluntary**
-

158) Which of the following is the nearest in meaning to the given word?

Accomplishment

- A) Amusement
 - B) Agreement
 - C) Achievement**
 - D) Entertainment
-

159) Identify the correct sentence

- A) A gentleman wishes to sell a car who is about to go abroad.
 - B) A gentleman has a car to sell who wishes to go abroad.
 - C) A gentleman who wishes to go abroad has a car to sell.**
 - D) A gentleman has to sell his car who wishes to go abroad.
-

160) Choose the correct option to complete the sentence:

What are you thinking _____?

- A) of**
 - B) on
 - C) off
 - D) at
-

Directions for questions 161 – 162:

Read the following passage and answer the questions:

It has been part of Nelson's prayer that the British fleet might be distinguished by humanity in the victory which he expected. Setting an example himself, he twice gave orders to cease firing upon the Redoubtable, supposing that she had struck because her great guns were silent; for as she carried no flag, there was no means of instantly ascertaining the fact. From this ship, which he had thus twice spared, he received his death. A ball fired from her mizzen-top which, in the then situation of the two vessels was not more than fifteen yards from that part of the deck where he was standing, struck the epaulette on his left shoulder about a quarter after one, just in the heat of action. He fell upon his face on the spot which was covered with his poor secretary's blood. Hardy, who was a few steps from him turning round, saw three men raising him up. "They have done for me at last Hardy!" said he. "I hope not!" cried Hardy. "Yes," he replied, "my backbone is shot through!" Yet, even now not for a moment losing his presence of mind, he observed as they were carrying him down the ladder, that the tiller-ropes which had been shot away, were not yet replaced and ordered that new ones should be roped immediately.

Then that he might not be seen by the crew, he took out his handkerchief and covered his face and his stars. Had he but concealed these badges of honour from the enemy, England perhaps would not have had cause to receive with sorrow the news of the battle of Trafalgar. The cockpit was crowded with wounded and dying men; over whose bodies he was with some difficulty conveyed and laid upon a pallet in the midshipmen's berth. It was soon perceived, upon examination, that the wound was mortal. This, however, was concealed from all, except Captain Hardy, the chaplain, and the medical attendants. He himself being certain, from the sensation in his back, and the gush of blood he felt momentarily within his breast, that no human care could avail him, insisted that the surgeon should leave him and attend to those to whom he might be useful.

161) 'She' in the 1st paragraph refers to:

- A) A woman
 - B) The ship**
 - C) England
 - D) A ball
-

162) The qualities of Nelson's character revealed in this passage are his

- A) patriotism, his humanity and his powers of endurance.**
 - B) powerful voice and charismatic looks.
 - C) arrogance and pride.
 - D) positive attitude and humorous nature.
-

163) Fill in the blanks with the appropriate options:

_____ of Julie's memories of home were sad but there were _____ happy ones too.

- A) Much, few
 - B) A lot, some**
 - C) Lot, some
 - D) Many, few
-

164) Choose the correct option to complete the sentence:

The students were told not to loiter _____ the corridor.

- A) around**
 - B) between
 - C) across
 - D) about
-

165) Choose the correct option to complete the sentence:

The boy jumped _____ the running train.

- A) across
 - B) from**
 - C) down
 - D) above
-

166) Choose the correct option to complete the sentence:

Nowadays women are standing _____ for their rights.

- A) aside
 - B) up**
 - C) down
 - D) ahead
-

167) Choose the correct option to complete the sentence:

I have not seen him _____ yesterday.

- A) within
 - B) between
 - C) in
 - D) since**
-

168) Choose the correct option to complete the sentence:

Her eyes filled with tears thinking _____ the tragedy.

- A) for
 - B) after
 - C) on
 - D) about**
-

169) Choose the correct option to complete the sentence:

If I _____ you, I would accept the offer.

- A) was
 - B) am
 - C) were**
 - D) would be
-

170) Choose the correct option to complete the sentence:

He went on holiday and returned _____ a month.

- A) towards
 - B) after**
 - C) on
 - D) beyond
-

171) Choose the correct option to complete the sentence:

Each of the candidates _____ a form to fill.

- A) to give
 - B) was given**
 - C) were to be given
 - D) were given
-

172) Identify the correct sentence.

- A) It is cold, he will not be wearing a coat.
 - B) Although it was cold, he was not wearing a coat.**
 - C) It will be cold, he was not wearing a coat.
 - D) Although he was cold, but he was wearing a coat.
-

173) Choose the correct option to complete the sentence:

He set _____ for work early this morning.

- A) upon
 - B) ahead
 - C) off**
 - D) up
-

174) Fill in the blanks with the correct option:

She had _____ nightmare after which, she neither slept peacefully nor did she allow _____ others to sleep peacefully.

- A) the, a
 - B) an, a
 - C) a, the**
 - D) the, an
-

175) Choose the correct option to complete the sentence:

Oil and water _____ not mix.

- A) have
 - B) does
 - C) has
 - D) do**
-

176) Choose the correct option to complete the sentence:

While she _____ home, it started raining.

- A) were walking
 - B) walking
 - C) is walking
 - D) was walking**
-

177) Choose the correct option to complete the sentence:

He, along with his brothers, _____ here.

- A) lives**
 - B) shall live
 - C) living
 - D) live
-

178) Identify the correct sentence.

- A) This bag is enough not big.
 - B) This bag is not big enough.**
 - C) This is not the bag that is enough big.
 - D) This is not enough big bag.
-

179) Find the word that means the same as :

Travelling faster than sound

- A) Supersonic**
 - B) Superficial
 - C) Supernumerary
 - D) Supercilious
-

180) Which of the following is the nearest in meaning to the given word?

Turbulent

- A) Exciting
- B) Horrifying
- C) Disturbing
- D) Tumultuous**