

## LIC AAO Model Paper 2

### GENERAL AWARENESS AND G. K.

1. Under One Rank One Pension (OROP) pension will be revised after how many years?

- (A) Two
- (B) Five
- (C) Three
- (D) Four
- (E) Six

2. Kagisa Rabada is related to\_\_\_\_\_.

- (A) Cricket
- (B) Wrestling
- (C) Tennis
- (D) Shooting
- (E) Swimming

3. Which Indian-American teacher has been selected to receive the 2015 C. Holmes MacDonald Outstanding Teacher Award?

- (A) Hritika Das
- (B) Swati Banerjee
- (C) Seema Shah
- (D) Preetika Kumar
- (E) Harshita Gangwal

4. Which state bagged the Skoch Order-of-Merit national award?

- (A) Gujarat
- (B) West Bengal
- (C) Haryana
- (D) Maharashtra
- (E) Sikkim

5. Who stepped down as the coach of the Sri Lanka's national cricket team?

- (A) Kumar Sangakkara
- (B) Lahiru Gamage
- (C) Milinda Siriwardana
- (D) Mahela Jayawardene
- (E) Marvan Atapattu

6. Expand NCMC.

- (A) National Card for Mobile Communication
- (B) National Card for Mobility Communication
- (C) National Common Mobile Card
- (D) National Credit Mobility Card
- (E) National Common Mobility Card

7. Recently Union Government announced that it will auction previously allotted \_\_\_\_\_ to private firms.

- (A) small oil and gas fields
- (B) big oil and gas fields
- (C) small coal fields
- (D) big coal fields
- (E) big oil, gas and coal fields

8. Who has become the first female President of Commonwealth Games Federation?

- (A) Barbara Krause
- (B) Fanny Durack
- (C) Kristin Otto
- (D) Louise Martin
- (E) Greta Andersen

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9. Which country has decided to cut its number of troops by 300,000 expressing its commitment towards world peace?
- (A) India  
(B) China  
(C) Germany  
(D) USA  
(E) Russia
10. Recently Kevin Andrews visited India. He is the Defence Minister of which country?
- (A) America  
(B) Germany  
(C) Australia  
(D) Cambodia  
(E) Russia
11. Which of the following function is not performed by Reserve Bank of India as a Banker to Banks?
- (A) Providing finance to the government so that it may lend to other developing nations  
(B) Enabling smooth, swift and seamless clearing and settlement of inter-bank obligations  
(C) Providing an efficient means of funds transfer for banks  
(D) Acting as lender of the last resort.  
(E) None of these
12. What do you call an unsecured loan certificate issued by a company, backed by general credit rather than by specified assets?
- (A) Treasury bill  
(B) Promissory Note  
(C) Debentures  
(D) Bank note  
(E) Commercial Paper
13. What is the upper age limit under Pradhan Mantri Suraksha Bima Yojna?
- (A) 40 Years  
(B) 50 years  
(C) 70 years  
(D) No limit  
(E) 45 years
14. Which is a subsidiary of RBI with a mandate for facilitating credit flow for promotion and development of agriculture, small-scale industries, cottage and village industries, handicrafts and other rural crafts?
- (A) DICGC  
(B) NHB  
(C) NABARD  
(D) BRBNMP  
(E) RRBs
15. What is the maximum limit per transaction on the amount of funds that could be transferred using NEFT for cash-based remittances and remittances to Nepal?
- (A) One lakh rupees  
(B) Twenty-five thousand rupees  
(C) Two lakh rupees  
(D) Fifty thousand rupees  
(E) Seventy Five thousand rupees
16. Who is the Minister of Water resources and treatment?
- (A) Uma Bharati  
(B) Arun Jaitley

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- (C) Nitin Jairam Gadkari
- (D) D.V. Sadananda Gowda
- (E) Suresh Prabhu

17. What is the capital of Germany?

- (A) Paris
- (B) New York
- (C) Colombo
- (D) Berlin
- (E) Astana

18. What is the currency of Mauritius?

- (A) Mauritian Lev
- (B) Mauritian Euro
- (C) Mauritian Rupee
- (D) Mauritian Yuan
- (E) Mauritian Yen

19. Who is the author of the book 'Sleeping on Jupiter'?

- (A) Anuradha Roy
- (B) Chetan Bhagat
- (C) Aravind Adiga
- (D) Nagendra Saraswat
- (E) Seema Chaudhary

20. What was the main objective of First Five Year Plans?

- (A) Development of Health sector
- (B) Development of Infrastructure sector
- (C) Development of Public Sector
- (D) Development of Priority sector
- (E) Development of Tertiary sector

21. What is day trading?

- (A) It is the process of buying and selling the same stock during the period of ten days.
- (B) It is the process of buying and selling the same stock during the period of two days.
- (C) It is the process of buying and selling the same stock during the period of three days.
- (D) It is the process of buying and selling the same stock during one day.
- (E) It is the process of buying and selling the same stock during the period of four days.

22. What do you understand by the term coupon with reference to bonds?

- (A) It is a government security
- (B) It is the first issued bond
- (C) It is the interest rate stated on a bond when it's issued
- (D) It is issued against a bond
- (E) It is the second issued bond

23. What is the limit of FDI in single brand?

- (A) 100 percent
- (B) 49 percent
- (C) 51 percent
- (D) 74 percent
- (E) None of these

24. Which of the following Five Year Plans was terminated one year before its completion?

- (A) Second
- (B) Fifth
- (C) Third
- (D) Seventh
- (E) Ninth

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25. Who is the chief of state's committee over Goods tax?

- (A) K.M. Mani
- (B) T. L. Jha
- (C) VK saraswat
- (D) Ajith Dobhal
- (E) None of these

26. How much amount has been allocated to Integrated Power Development Scheme (IPDS)?

- (A) Rs. 20,000 crore
- (B) Rs. 5,000 crore
- (C) Rs. 55,000 crore
- (D) Rs. 49,000 crore
- (E) Rs. 45,000 crore

27. Which state government approved Victim Compensation Scheme?

- (A) Gujarat
- (B) Uttar Pradesh
- (C) Delhi
- (D) Maharashtra
- (E) Madhya Pradesh

28. Under Pradhan Mantri Jan Dhan Yojana which facility is not included?

- (A) Accident Insurance
- (B) Pension Scheme
- (C) Life Insurance
- (D) Overdraft facility
- (E) ATM facility

29. Which of the following introduced the concept of Human Development Index (HDI)?

- (A) UNESCO
- (B) UNDP
- (C) WHO
- (D) WTO
- (E) FAO

30. In line with Digital India Vision, Minister of state(I/C) for Petroleum and Natural Gas launched \_\_\_\_\_ portal- the on line release of new LPG connections.

- (A) SAHAJ
- (B) SARAL
- (C) SAMANVAY
- (D) SAATHI
- (E) SAHYOGI

### COMPUTER KNOWLEDGE

31. What type of computers are client computers (most of the time) in a client-server system?

- (A) Mainframe
- (B) Mini-computer
- (C) Microcomputer
- (D) PDA
- (E) None of these

32. To protect yourself from computer hacker instructions you should install a .....

- (A) Firewall
- (B) Mailer
- (C) Macro
- (D) Script
- (E) None of these

33. A file is often referred to as a(n)

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- (A) Wizard
- (B) Document
- (C) Pane
- (D) Device
- (E) Documentation

**34.** To view information on the web you must have

a.....

- (A) Cable modem
- (B) Web browser
- (C) Domain name server
- (D) Hypertext viewer
- (E) None of these

**35.** What is the main folder on a storage device called?

- (A) Root directory
- (B) Interface
- (C) Device driver
- (D) Platform
- (E) Main directory

**36.** When data changes in multiple lists and all lists are not updated, this causes.....

- (A) Data redundancy
- (B) Information overload
- (C) Duplicate data
- (D) Data consistency
- (E) Data inconsistency

**37.** The type of software that controls the internal operations in the computer, and controls how the computer works with all its parts is which of the following?

- (A) Shareware

- (B) Public domain software
- (C) Application software
- (D) Operating system software
- (E) None of these

**38.** What is an E-mail attachment?

- (A) A receipt sent by the recipient
- (B) A separate document from another program sent along with an E-mail message
- (C) A malicious parasite that feeds off of your messages and destroys the contents
- (D) A list of CC : or BCC : recipients
- (E) A friend to whom E-mail is sent regularly

**39.** The legal right to use software based on specific restrictions is granted via a .....

- (A) Software privacy policy
- (B) Software license
- (C) Software password manager
- (D) Software log
- (E) None of these

**40.** What is back up?

- (A) Adding more components to your computer
- (B) Protecting data by copying it from the original source to a different destination
- (C) Filtering old data from the new data
- (D) Accessing data on tape
- (E) Using earlier data

**41.** What is gutter margin?

- (A) Margin added to right margin while printing
- (B) Margin added to right margin while printing

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(C) Margin added to binding side of the page while printing

(D) Margin added to outside of page while printing

(E) None of these

**42.** File extension is used

(A) For naming the file

(B) To ascertain that file name is not lost

(C) To identify file

(D) To identify file type

(E) To make items complex

**43.** A collection of interrelated records is called

a.....

(A) Utility file

(B) Management information system

(C) Database

(D) Spreadsheet

(E) Datasheet

**44.** The ..... manual tells you how to use a software program.

(A) Documentation

(B) Programming

(C) User

(D) Technical

(E) Designer

**45.** ..... shows the files, folders, and drives on your computer, making it easy to navigate from one location to another within the file hierarchy.

(A) Microsoft internet explorer

(B) Windows explorer

(C) My computer

(D) Folders manager

(E) Windows locator

**46.** You organize files by storing them in.....

(A) Archives

(B) Lists

(C) Indexes

(D) Folders

(E) None of these

**47.** A ..... is used to read handwritten or printed text to make a digital image that is stored in memory.

(A) Printer

(B) Laser beam

(C) Scanner

(D) Touchpad

(E) None of these

**48.** Which one of the following software applications would be the most appropriate for performing numerical and statistical calculations?

(A) Database

(B) Document processor

(C) Graphics package

(D) Spreadsheet

(E) Power point

**49.** Linux is an example of.....

(A) Freeware

(B) Open source software

(C) Shareware

(D) Complimentary

(E) None of these

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50. What happens when you boot up a PC?

- (A) Portions of the operation system are copied from disk into memory
- (B) Portions of the operating system are copied from memory on to disk
- (C) Portions of the operating system are compiled
- (D) Portions of the operating system are emulated
- (E) The PC gets switched off

51. A.....pre-designed document that already has coordinating fonts, a layout, and a background

- (A) Guide
- (B) Model
- (C) Ruler
- (D) Template
- (E) Design-plate

52. Compiling creates a (n).....

- (A) Error-free program
- (B) Program specification
- (C) Subroutine
- (D) Algorithm
- (E) Executable program

53. Specialized programs that assist users in locating information on the web are called.....

- (A) Information engines
- (B) Locator engines
- (C) Web browser
- (D) Resource locators
- (E) Search engines

54. What is the default file extension for all word documents?

- (A) WRD
- (B) TXT
- (C) DOC
- (D) FIL
- (E) WD

55. Removing and replacing devices without turning off your computer is referred to as.....

- (A) Hot swapping
- (B) Plug-N-Play
- (C) Bay swap
- (D) USB swapping
- (E) None of these

56. Expansion cards are inserted into.....

- (A) Slots
- (B) Peripheral devices
- (C) The CPU
- (D) The back of the computer
- (E) None of these

57. A device that connects to a network without the use of cables is said to be .....

- (A) Distributed
- (B) Non-wired
- (C) Centralized
- (D) Open source
- (E) Wireless

58. A program designed to destroy data on your computer which can travel to "infect" other computers is called a.....

- (A) Disease
- (B) Torpedo

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- (C) Hurricane  
(D) Virus  
(E) Infector

- (A) 79326425  
(B) 79236425  
(C) 52463927  
(D) 54263927  
(E) None of these

59. Junk e-mail is also called.....

- (A) Crap  
(B) Spoof  
(C) Sniffer script  
(D) Spool  
(E) Spam

60. A complete electronic circuit with transistors and other electronic components on a small silicon chip is called a (n).....

- (A) Workstation  
(B) CPU  
(C) Magnetic disk  
(D) Integrated circuit  
(E) Complex circuit

63. If '+' means '÷', 'x' means '-', '-' means 'x' and '+' means '÷', then what is the value of :

$$38 + 19 - 16 \times 17 \div 3 ?$$

- (A) 16  
(B) 19  
(C) 17  
(D) 12  
(E) None of these

64. In a certain code language 'DEAR' is written as '%#\$?', 'RED' is written as '?#%', 'MORE' is written as '@\*?#', how is 'DREAM' written in that code?

- (A) # ? % \$ @  
(B) # % ? \$ @  
(C) % ? # \$ @  
(D) % ? # \$ @  
(E) None of these

<b>REASONING AND MENTAL ABILITY</b>
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61. If the middle digit of each of the following numbers is increased by 2 and then the digits of each number are written in reverse order, which number will be the fourth if arranged in descending order?

- (A) 236  
(B) 843  
(C) 566  
(D) 358  
(E) 478

62. If E replaced by 2, R by 5, T by 7, D by 3, S by 4, I by 6 and N by 9 then how is RESIDENT written if its letters are reversed?

65. n a row of children facing North, Seema if shifted to her right by four places becomes eighteenth from the right end of the row. Sudhakar, who is fifteenth from the left end of the row, is fifth to the left of Seema. How many children are there in the row?

- (A) 42  
(B) 38  
(C) 41  
(D) 39  
(E) None of these



## LIC AAO Model Paper 2

**Directions** (Q. 66-70): In the following questions the symbols \$, #, @, % and \* are used with the following meanings illustrated as below :

'A \$ B' means 'A is not smaller than B'

'A # B' means 'A is neither greater than nor equal to B'

'A @ B' means 'A is neither smaller than nor equal to B'

'A % B' means 'A is not greater than B'

'A \* B' means 'A is neither greater than nor smaller than B'

In each of the following questions assuming the given statements to be true, find out which of the three conclusions I, II and III given below them is/are definitely true and indicate your answer accordingly.

**66.** Statements : K @ T, T # D, D \* F, F % G

Conclusions :

I. G @ K

II. G \* T

III. G @ T

(A) I and II only

(B) II and III only

(C) Either II or III only

(D) III only

(E) None is true

Sol: Statements :

**67.** Statements : D \* Q, Q @ L, L \$ B, B # G

Conclusions :

I. D @ B

II. B \* D

III. G @ L

(A) Either I or II only

(B) I and II only

(C) I only

(D) II and III only

(E) None is true

**68.** Statements : Z @ Y, Y # K, K % M, M @ T

Conclusions :

I. Z @ M

II. Y @ T

III. Z # K

(A) I only

(B) II and III only

(C) Either I or III only

(D) All I, II and III

(E) None is true

**69.** Statements : F @ H, M % H, M \$ R, G \* M

Conclusions :

I. F \$ R

II. F @ R

III. H \$ G

(A) II and III only

(B) II only

(C) III only

(D) III and either I or II

(E) None is true

**70.** Statements : P # M, M % R, R \* T, T # L

Conclusions :

I. P # R

II. P \* R

III. M % L

(A) I only

(B) Either I or II only

(C) III only

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(D) All I, II and III

(E) None is true

**Directions** (Q. 71-75): In each of the questions below are given three statements followed by the three conclusions numbered, I, II and III. You have to take the given statements to be true even if they seem to be at variance from 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.

**71. Statements :**

All jackets are trousers.

No trouser is shirt.

Some shirts are caps.

**Conclusions :**

I. Some caps are jackets.

II. Some shirts are jackets.

III. Some trousers are jackets.

(A) Only I follows

(B) Only II follows

(C) Only III follows

(D) All follow

(E) None of these

**72. Statements :**

Some tents are buildings.

Some buildings are chairs.

Some chairs are windows.

**Conclusions :**

I. Some windows are buildings.

II. Some windows are tents.

III. Some chairs are tents.

(A) None follows

(B) Only I and II follow

(C) Only II and III follow

(D) Only I and III follow

(E) All follow

**73. Statements :**

All tables are boards.

All pens are boards.

All boards are papers.

**Conclusions :**

I. Some pens are tables.

II. Some papers are pens.

III. No pen is table.

(A) All follow

(B) Only either I or III follows

(C) Only II follows

(D) Only either I or III and II follow

(E) None of these

**74. Statements :**

All chains are cycles.

Some cycles are wheels.

All wheels are mirrors.

**Conclusions :**

I. Some cycles are mirrors.

II. Some wheels are chains.

III. Some mirrors are cycles.

(A) None follows

(B) Only I follows

(C) Only II follows

(D) Only I and III follow

(E) All follow

**75. Statements :**

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Some boxes are hammers.

Some hammers are beads.

All beads are rings.

Conclusions :

I. Some rings are hammers.

II. Some hammers are boxes.

III. Some rings are boxes

(A) None follows

(B) Only I follows

(C) Only II and III follow

(D) Only I and II follow

(E) All follow

**76.** In a certain code ORIENT is written as '532146' and SOUL is written as '7598'. How is LINE written in that code?

(A) 9241

(B) 8341

(C) 8241

(D) 6241

(E) None of these

**77.** If it is possible to make only one meaningful word with the first, the second, the fifth and the ninth letters of the word MEDIATION, which of the following will be the third letter of that word? If no such word can be made, give 'X' as the answer and If more than one such word can be made, give 'Z' as the answer.

(A) A

(B) N

(C) M

(D) X

(E) Z

**78.** B is brother of D. D is sister of E. E is brother of F.

How is F related to B?

(A) Brother

(B) Sister

(C) Brother or Sister

(D) Data inadequate

(E) None of these

**79.** In a certain code, JEALOUS is written as

BFKKTVP. How is HEARTEN written in that code?

(A) OFUQBFI

(B) BFIQOFU

(C) BFIQUFO

(D) UFOQIBF

(E) None of these

**80.** Pradeep correctly remembers that he visited Chennai before twelfth of July but after eight of July. His friend correctly remembers that Pradeep visited Chennai after tenth of July not after fourteenth of July. On which day of July did Pradeep visited Chennai?

(A) Eleventh

(B) Twelfth

(C) Tenth

(D) Either tenth or eleventh

(E) None of these

**81.** In a class two-third of the students play football, half of the remaining play both football and cricket and the remaining ten students play only cricket. How many students play both football and cricket?

(A) 30

(B) 10

(C) 40

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- (D) 20
- (E) Cannot be determined

**Direction** (Q. 82-86): Study the following information carefully to answer these questions.

Eight friends P, M, R, T, Q, U, V & W are sitting in two opposite rows, facing each other. Each row has 4 persons. P is between U and V and is facing North. W is opposite to Q who is to the immediate left of M. R is between T and M. W is to the immediate right of V.

**82.** Which of the following pairs has the person sitting opposite each other?

- (A) MV
- (B) RV
- (C) TV
- (D) UR
- (E) None of these

**83.** Who is to the immediate right of R?

- (A) M
- (B) U
- (C) M or T
- (D) Cannot be determined
- (E) None of these

**84.** Four of the following five are alike in a certain way on the basis of their positions and so form a group.

Which is the one that does not belong to the group?

- (A) TP
- (B) RV
- (C) QP
- (D) QV
- (E) MW

**85.** Which of the following pairs of persons has second person sitting to the immediate left of the first person?

- (A) UP
- (B) VP
- (C) QM
- (D) RT
- (E) None of these

**86.** Who is sitting opposite of R?

- (A) U
- (B) Q
- (C) V
- (D) P
- (E) None of these

**Directions** (87-89): Following questions are based on the information given below-

1. 'P × Q' means 'P is father of Q.'
2. 'P – Q' means 'P is sister of Q.'
3. 'P + Q' means 'P is mother of Q.'
4. 'P ÷ Q' means 'P is brother of Q.'

**87.** Which of the following represents 'R is niece of M'?

- (A)  $M \div K \times T - R$
- (B)  $M - J + R - N$
- (C)  $R - M \times T \div W$
- (D) Cannot be determined
- (E) None of these

**88.** In the expression  $B + D \times M \div N$ , how is M related to B?

- (A) Granddaughter
- (B) Son
- (C) Grandson

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- (D) Granddaughter or Grandson  
(E) None of these

- (C) 9  
(D) 12  
(E) 10

89. Which of the following represents 'J is son of F'?

- (A)  $J \div R - T \times F$   
(B)  $J + R - T \times F$   
(C)  $J \div M - N \times F$   
(D) Cannot be determined  
(E) None of these

93. What approximate value will come in place of question mark (?) in the following question ?

$$12\% \text{ of } 1102 + ? = 60\% \text{ of } 326$$

- (A) 60  
(B) 64  
(C) 52  
(D) 56  
(E) 72

90. In a certain code, 'Pick and choose' is written as 'ko ho po' and 'pick up and come' is written as 'to no ko po'. How is 'pick' written in that code?

- (A) ko  
(B) po  
(C) Either ko or po  
(D) Cannot be determined  
(E) None of these

94. A, B and C enters a partnership. In the beginning A invests some amount and after 6 months B invests twice the amount to that of A and C invests thrice the amount after 8 months. If the final profit is Rs. 27000, then what is C's part in the profit ?

- (A) Rs. 9000  
(B) Rs. 11250  
(C) Rs. 10800  
(D) Rs. 8625  
(E) None of these

### QUANTITATIVE APTITUDE

91. What approximate value will come in place of question mark (?) in the following question ?

$$(200 \div 22) \times (2 \div 0.5) = ?$$

- (A) 32  
(B) 36  
(C) 38  
(D) 34  
(E) 40

95. (x% of y + y% of x) is equal to :-

- (A) x% of y  
(B) y% of x  
(C) 2% of xy  
(D) xy% of y  
(E) None of these

92. What approximate value will come in place of question mark (?) in the following question ?

$$(15)^3 \times (5)^5 \times (3)^4 \times 45 = (5 \times 3) ?$$

- (A) 15  
(B) 7

96. A is two times more efficient than B. If A and B together can complete the work in 14 days; in how many days A alone will complete the work?

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- (A) 28 C x > y  
(B) 42 D x < y  
(C) 21 E x = y or relation cannot be  
(D) 7 established  
(E) None of these

97. In a class of 60 students contribution of every boy is equal to the number of girls and contribution of every girl is equal to the number of boys. If the total contribution received is Rs. 1600, then find the number of boys in the school.

- (A) Rs. 25  
(B) Rs. 50  
(C) Rs. 30  
(D) Data inadequate  
(E) None of these

98. Two containers contain mixture of ethanol and gasoline. The percentage of ethanol in the first and the second containers is 60% and 30% respectively. In what ratio mixture from both the containers should be taken so that the new mixture contains 50% ethanol ?

- (A) 1 : 2  
(B) 2 : 3  
(C) 3 : 2  
(D) 2 : 1  
(E) None of these

**Direction (99-103):** In the following questions, equations I and II are given. You have to solve both the equations and show your answer

- Give answer if  
A x < y  
B x > y

$$99. x^2 - 4x - 12 = 0$$

$$y^2 - 5y - 14 = 0$$

$$100. 3x^2 - 22x + 40 = 0$$

$$5y^2 - 21y + 16 = 0$$

$$101. 3x^2 - 13x - 10 = 0$$

$$3y^2 + 10y - 8 = 0$$

$$102. 25x^2 + 35x + 12 = 0$$

$$10y^2 + 9y + 2 = 0$$

$$103. 12x^2 + 7x + 1 = 0$$

$$6y^2 + 5y + 1 = 0$$

104. What will come in place of equation mark (?) in the following question ?

$$9, 4, 5, 6, 14, ?$$

- (A) 32.5  
(B) 37.5  
(C) 45  
(D) 27  
(E) 42

105. What will come in place of equation mark (?) in the following question ?

$$500, 484, 452, 388, ?$$

- (A) 314  
(B) 364

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- (C) 284
- (D) 260
- (E) 432

106. 3, 5, 13, 43, 177, ?

- (A) 727
- (B) 655
- (C) 560
- (D) 935
- (E) 891

107. 1, 2, 12, 63, 316, ?

- (A) 1066
- (B) 1705
- (C) 684
- (D) 1585
- (E) 1224

108. 100, 52, 28, 16, 10, ?

- (A) 7
- (B) 5
- (C) 3
- (D) 4
- (E) 6

**Directions** (109-113): In the following question, a sentence is followed by two statements I and II. you have to read both the statements carefully and answer the questions as follows :

Give answer

(A) If the data in statement I alone are sufficient to answer the equation whereas the data in statement II alone are not sufficient to answer the question.

(B) If the data in statement II alone are sufficient to answer the question whereas data in statement I alone are not sufficient to answer the question.

(C) If the data given in either statement I or statement II alone are sufficient to answer the question.

(D) If the data given in statement I and statement II together are not sufficient to answer the question.

(E) If the data in statement I and statement II together are required to answer the question

109. What is the circumference of the semi-circle ?

I. The radius of the semi-circle is half the side of the square.

II. Area of the square is 196 sq. cm.

110. What is the loss or profit percent if an article is sold in Rs. 12000 ?

I. The ratio of cost price and selling price of the object is 3 : 5.

II. The difference between the cost price and selling price is Rs. 4800.

111. What is the average of a, 35, 38, 43, c and f ?

I. a is 6 more than f.

II. f is 4 less than c.

112. What is the two - digit number ?

I. Ten's digit is nine more than unit's digit.

II. The difference between both the digits of the number is 9.

113. What is the ratio between two numbers x and y ?

I. 40% of x is equal to 20% of 50.

II. 30% of y is equal to 25% of 72.

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114. What will come in place of question mark (?) in the following question–

$$98 \div 14 \times 49 - 294 = (?)^2$$

- (A) – 14
- (B) 49
- (C) – 7
- (D) 196
- (E) None of these

115. What will come in place of question mark (?) in the following question–

$$64^{3.1} \times 8^{4.3} = 8^?$$

- (A) 10.5
- (B) 7.4
- (C) 1.2
- (D) 13.3
- (E) None of these

116. What will come in place of question mark (?) in the following number series–

$$33, 39, 57, 87, 129, (?)$$

- (A) 183
- (B) 177
- (C) 189
- (D) 199
- (E) None of these

117. A sum of Rs. 2600 is lent out in two parts. First part at 10% for 5 years and second part at 9% for 6 years. simple interest accrued on both parts are equal. Find sum for each part.

- (A) 1300, 1300
- (B) 1230, 1370
- (C) 1350, 1250

- (D) 1500, 1200
- (E) None of these

118. The average of seven boys sitting in a row facing north is 26 years. If the average age of first 3 boys is 19 years and the average age of the last 3 boys is 32 years, what is the age of the boy who is sitting in the middle of the row.

- (A) 28 years
- (B) 29 years
- (C) 24 years
- (D) 31 years
- (E) None of these

119. The sum of three consecutive odd numbers and 3 consecutive even numbers together is 165. The smallest odd number is 9 less than smallest number. What is the sum of the largest odd number and the largest even numbers.

- (A) 51
- (B) 55
- (C) 59
- (D) 63
- (E) None of these

120. On a shelf there are four books on Science, two books on Geography and three books on History. In how many ways the books can be arranged so that the books on Geography are kept together–

- (A) 70980
- (B) 80640
- (C) 80000
- (D) 80500
- (E) None of these



## LIC AAO Model Paper 2

### ENGLISH LANGUAGE

**Directions** (Q. 121-130): In the following questions a passage is given followed by some questions. You have to read the passage carefully and answer the questions given below them. Some words are given in bold so that you can locate them easily while answering some of the questions.

The Centre's decision to adopt Bharat Stage VI automotive fuels nationwide by April 1, 2020 is a key measure that can, if implemented properly, vastly improve air quality. Rolling out the BS VI standard nationally, skipping BS V, has significant cost implications for fuel producers and the automobile industry, but its positive impact on public health would more than compensate for the investment. Major pollutants such as fine particulate matter, sulphur dioxide, nitrogen oxides and carbon monoxide emitted by millions of vehicles on India's roads are severely affecting the health of people, particularly children whose lungs are immature and hence more vulnerable. Thousands of premature deaths and rising rates of asthma episodes highlight the urgent need to make a radical and complete shift to modern fuels and vehicle technologies. Past national policy of implementation of the BS IV fuel standard failed primarily because this was not done all over the country and the technical standard also permitted a higher level of sulphur in the fuel. Higher sulphur results in high volumes of fine irrespirable particulates measuring 2.5 micrometres (PM2.5) being generated in emissions. Since even this obsolete standard was not followed uniformly, many vehicles, especially commercial passenger and freight carriers, have been using lower standard fuel supplied outside big cities. This

has rendered their catalytic converters incapable of absorbing pollutants.

Improved air quality, especially in big urban centres, depends on several factors in an era of fast motorisation. A bloated population of vehicles using fossil fuels has affected travel speeds, worsening pollution levels. Poor civic governance has left roads unpaved and public spaces filled with debris and construction dust, constantly recirculating particulate matter in air. Moreover, the monitoring of diesel passenger and commercial vehicles – the biggest contributors to total emissions – for compliance with emissions regulations remains poor. Such a record does not inspire confidence that retrofitting of old vehicles to use higher quality fuels such as BS VI can be achieved smoothly. Equally, the distortions in urban development policy that facilitate the use of personal motorised vehicles rather than expanding good public transport, walking and cycling, are glaring. Many of these issues were underscored by the Saumitra Chaudhuri Committee on Auto Fuel Vision and Policy 2025 in its report submitted in 2014. The panel also recommended appropriate levies to fund the transition to cleaner, low sulphur fuels. A study by the Indian Institute of Technology, Delhi on fuel policy and air quality in the same year concluded that the best results would be achieved by raising the fuel standard and introducing policy initiatives that would influence passenger behaviour and cut personal travel distance by 25 per cent. The government has done well to advance the deadline for cleaner fuels by three years. It must show the same diligence in making other policy changes in partnership with State governments to clean up the air.

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**121.** Which of the following statements are TRUE according to the given passage?

- I. Implementation of BS V fuel are successful all over the country.
  - II. Public spaces are filled with debris due to poor civic governance
  - III. commercial passenger and freight carriers are using higher standard fuel.
- (A) Only I  
(B) Only II  
(C) Only III  
(D) Both I and II  
(E) All I, II and III

**122.** According to the passage what will be the major effect of implementation of Bharat stage VI fuels?

- (A) It will heavily reduce the cost of fuels
- (B) It will emit very less pollutants
- (C) It will majorly improve public health
- (D) Both (A) and (B)
- (E) Both (B) and (C)

**123.** What can be the suitable title of the above passage?

- (A) New policy to clean the air
- (B) Welcome measures to clean the air
- (C) High level of Pollutants
- (D) New Initiatives to clean the air
- (E) None of the above

**124.** Which of the following statements are False according to the given passage?

- I. Diesel passenger and commercial vehicles are major source of pollutant emissions.

II. Urban development policies do not facilitate expanding good public transport.

III. BS VI automotive fuels is a key measure to improve air quality.

- (A) II only  
(B) III and II  
(C) I and II  
(D) III only  
(E) All are true

**125.** In view of author how improved air quality is achievable in big urban cities?

- (A) By adopting BS VI automotive fuels
- (B) By reducing vehicles using fossil fuels
- (C) By improving civic governance
- (D) Both (B) and (C)
- (E) All the above

**Direction (Q. 126-128):** Choose the word which is nearly same in meaning to the word given in question.

**126.** COMPENSATE

- (A) Take
- (B) Deprive
- (C) Forfeit
- (D) Indemnify
- (E) Capable

**127.** RENDERED

- (A) Hide
- (B) Obscure
- (C) Yield
- (D) Deviate
- (E) Profuse

## LIC AAO Model Paper 2

### 128. OBSOLETE

- (A) Discarded
- (B) Contemporary
- (C) In vogue
- (D) Temporary
- (E) Perennial

Direction (Q.12 9-130): Choose the word which is opposite in meaning to the word given in question.

### 129. DILIGENCE

- (A) Assiduity
- (B) Carelessness
- (C) Heed
- (D) Keen
- (E) Pathetic

### 130. INFLUENCE

- (A) Clout
- (B) Pressure
- (C) Ropes
- (D) Clarify
- (E) Weaken

**Directions** (Q. 131-140): In the following questions a passage is given having some blanks numbered from 11 to 20. After the passage five words are suggested in each of the questions. You have to select appropriate alternative as your answer.

Does Indian industry need democracy? The Indian economy's sustained growth today is.... (131).... by incomplete democracy. While millions of Indians endure poverty, only a tiny majority .....(132)..... prosperity. On the other hand, many Latin American countries have

registered .....(133)..... growth rates under military dictators and today one of the fastest growing economies in the world – china- has an .....(134).....rather than a democracy government. So why does Indian need democracy for sustained growth? To many, democracy .....(135)... slower decision making with corrupt politicians and red-tapism etc. Industry should, therefore, be .....(136)..... with less, not more, democracy. However, while China .....(137)..... Consumption in order to save and invest more than half its output to produce 10% growth, India .....(138)..... almost two-thirds of its output and manages to achieve 9% growth from one-third of its output. ....(139)..... India's democracy is not inefficient when it comes to making .....(140) .....use of resources.

### 131. (A) Deprived

- (B) Hampered
- (C) Eliminated
- (D) Faced
- (E) Threaten

### 132. (A) Pursuit

- (B) Acquisition
- (C) Benefit
- (D) Enjoy
- (E) Value

### 133. (A) Acceptable

- (B) Insignificant
- (C) Variable
- (D) Inflated
- (E) Affordable

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134. (A) Autonomous

(B) Economical

(C) Authoritarian

(D) Egalitarian

(E) Orthodox

135. (A) Imply

(B) Mentions

(C) Attracts

(D) Features

(E) Means

136. (A) Gracious

(B) Adapted

(C) Fascinated

(D) Pleased

(E) Urged

137. (A) Bans

(B) Curtails

(C) Regulate

(D) Ceases

(E) Discourage

138. (A) Consumes

(B) Selects

(C) Indulges

(D) Disperse

(E) Hoard

139. (A) Accordingly

(B) Totally

(C) Thus

(D) Even

(E) Likely

140. (A) Ultimately

(B) Capably

(C) Modest

(D) Secure

(E) Effective

**Directions (Q.141-145):** Read each sentence to find out if there is any error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). (Ignore errors in punctuation, if any).

**141.** With regard to implementation the (A) / details of the proposal (B) / the committee was divided (C) / in its opinion. (D) / No error (E)

**142.** On discovering that (A) / it was a forgery (B) / he torn up the agreement (C) / he had signed. (D) / No error (E)

**143.** Governments and businesses must reduce (A) / its own energy use (B) / and promote conservation (C) / to their citizens and employees. (D) / No error (E)

**144.** Having acquired some experience (A) / she is no longer (B) / one of those who believes (C) / every explanation she is given. (D) / No error (E)

**145.** If allegations (A) / made against him (B) / are found to be true (C) / he could face rigorous imprisonment. (D) / No error (E)

**Directions (Q. 146-150):** Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper

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sequence to form a meaningful paragraph; then answer the questions given below them.

- (A) Thus they teach us that no matter how insignificant you think you are, you can accomplish extraordinary things.
- (B) During the course of its life it was struck by lightning fourteen times.
- (C) But one day it was attacked by an army of beetles.
- (D) The tree stood at the foot of the Himalayas for over four hundred years.
- (E) The tiny insects are their way through the tree and destroyed it.
- (F) It even survived innumerable storms and avalanches.

**146.** Which of the following should be the LAST sentence after the rearrangement?

- (A) A  
(B) B  
(C) C  
(D) E  
(E) F

**147.** Which of the following should be the THIRD

sentence after the rearrangement?

- (A) A  
(B) B  
(C) C  
(D) E  
(E) F

**148.** Which of the following should be the FIRST sentence after the rearrangement?

- (A) A  
(B) B  
(C) C

- (D) D  
(E) F

**149.** Which of the following should be the SECOND sentence after the rearrangement?

- (A) A  
(B) B  
(C) C  
(D) E  
(E) F

**150.** Which of the following should be the FOURTH sentence after the rearrangement?

- (A) A  
(B) B  
(C) C  
(D) E  
(E) F

**Directions** (Q. 151-160): Read the following passage carefully and answer the questions given below it.

Certain words are given in bold to help you to locate them while answering some of the questions.

Recent advances in science and technology have made it possible for geneticists to find out abnormalities in the unborn foetus and take remedial action to rectify some defects which would otherwise prove to be fatal to the child. Through genetic engineering is still at its infancy, scientists can now predict with greater accuracy a genetic disorder. It is not yet an exact science since they are not in a position to predict when exactly a genetic disorder will set in. While they have not yet been able to change the genetic order of the gene in germs, they are optimistic and are holding out that in the near future they

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might be successful in achieving this feat. They have, however, acquired the ability in manipulating tissue cells. However, genetic misinformation can sometimes be damaging for it may adversely affect people psychologically. Genetic information may lead to a tendency to brand some people as inferiors. Genetic information can therefore be abused and its application in deciding the sex of the foetus and its subsequent abortion is now hotly debated on ethical lines. But on this issue geneticists cannot be squarely blamed though this charge has often been levelled at them. It is mainly a societal problem. At present genetic engineering is a costly process of detecting disorders but scientists hope to reduce the costs when technology becomes more advanced. This is why much progress in this area has been possible in scientifically advanced and rich countries like the U.S.A, U.K. and Japan. It remains to be seen if in the future this science will lead to the development of a race of supermen or will be able to obliterate disease from this world.

**151.** Which of the following is the same in meaning as the phrase 'holding out' as used in the passage?

- (A) Catching
- (B) Expounding
- (C) Sustaining
- (D) Restraining
- (E) Controlling

**152.** Which of the following is true regarding the reasons for progress in genetic engineering?

- (A) It has become popular to abort female fetuses
- (B) Human beings are extremely interested in heredity
- (C) Economically sound and scientifically advanced countries can provide the infrastructure for such research

- (D) Poor countries desperately need genetic information
- (E) None of these

**153.** Which of the following is not true of the genetic engineering movement?

- (A) Possibility of abuse
- (B) It is confronted by ethical problems
- (C) Increased tendency to manipulate gene cells
- (D) Acquired ability to detect genetic disorders in unborn babies
- (E) Acquired ability to manipulate tissue cells

**154.** At present genetic engineering can rectify all genetic disorders, Is it?

- (A) Yes
- (B) No
- (C) It can do so only in some cases
- (D) Cannot be said
- (E) None of these

**155.** What is the tone of the author in the last sentence of the passage?

- (A) Resignation
- (B) Cautious
- (C) Relief
- (D) Concern
- (E) Unconcern

**156.** Which of the following is the same in meaning as the word 'squarely' as used in the passage?

- (A) Rigidly
- (B) Firmly
- (C) Directly
- (D) At right angle

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(E) Straight

**157.** In the passage, 'abused' means-

- (A) Insulted
- (B) Talked about
- (C) Killed
- (D) Misused
- (E) Changed

**158.** Which of the following is the same in meaning as the word 'feat' as used in the passage?

- (A) Process
- (B) Focus
- (C) Fact
- (D) Possibility
- (E) Goal

**159.** Which of the following is the opposite in meaning to the word 'charged' as used in the passage?

- (A) Calm
- (B) Disturbed
- (C) Discharged
- (D) Settled
- (E) Peaceful

**160.** Which of the following is the same in meaning as the word 'obliterate' as used in the passage?

- (A) Wipe off
- (B) Eradicate
- (C) Give birth to
- (D) Wipe out
- (E) Very literate

### ANSWERS AND SOLUTIONS

1	B	21	D	41	C	61	A	81	B	101	C	121	B	141	A
2	A	22	C	42	C	62	B	82	A	102	D	122	C	142	C
3	D	23	A	43	C	63	E	83	E	103	B	123	D	143	B
4	C	24	B	44	A	64	D	84	C	104	A	124	E	144	C
5	E	25	A	45	B	65	C	85	B	105	D	125	D	145	D
6	E	26	E	46	D	66	D	86	D	106	E	126	D	146	A
7	A	27	C	47	C	67	C	87	B	107	B	127	C	147	E
8	D	28	B	48	D	68	E	88	C	108	A	128	A	148	D
9	B	29	B	49	B	69	A	89	E	109	E	129	B	149	C
10	C	30	A	50	C	70	B	90	C	110	C	130	E	150	B

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11	A	31	A	51	D	71	C	91	B	111	D	131	B	151	B
12	C	32	A	52	E	72	A	92	C	112	C	132	D	152	C
13	C	33	B	53	E	73	D	93	B	113	E	133	A	153	C
14	C	34	B	54	C	74	D	94	A	114	C	134	C	154	C
15	D	35	A	55	B	75	D	95	C	115	A	135	E	155	B
16	A	36	A	56	A	76	C	96	C	116	A	136	D	156	C
17	D	37	D	57	E	77	E	97	D	117	C	137	B	157	D
18	C	38	B	58	D	78	C	98	B	118	B	138	A	158	E
19	A	39	B	59	E	79	B	99	B	119	C	139	C	159	D
20	D	40	A	60	D	80	A	100	C	120	B	140	E	160	B

### SOLUTIONS AND HINTS

66.  $K @ T \Rightarrow K > T$

$T \# D \Rightarrow T < D$

$D * F \Rightarrow D = F$

$F \% G \Rightarrow F < G$

Therefore,  $K > T < D = F < G$

Conclusions :

I.  $G @ K \Rightarrow G > K$  : Not true

II.  $G * T \Rightarrow G = T$  : Not true

III.  $G @ T \Rightarrow G > T$  : True

67. Statements :

$D * Q \Rightarrow D = Q$

$Q @ L \Rightarrow Q > L$

$L \$ B \Rightarrow L < B$

$B \# G \Rightarrow B < G$

Therefore,

$D = Q > L < B < G$

Conclusions :

I.  $D @ B \Rightarrow D > B$  : True

II.  $B * D \Rightarrow B = D$  : Not true

III.  $G @ L \Rightarrow G > L$  : Not true

68. Statements :

$Z @ Y \Rightarrow Z > Y$

$Y \# K \Rightarrow Y < K$

$K \% M \Rightarrow K < M$

$M @ T \Rightarrow M > T$

Therefore,

$Z > Y < K < M > T$

Conclusions :

I.  $Z @ M \Rightarrow Z > M$  : Not true

II.  $Y @ T \Rightarrow Y > T$  : Not true



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III.  $Z \# K \Rightarrow Z < K$  : Not true

69. Statements :

$F @ H \Rightarrow F > H$

$M \% H \Rightarrow M = H$

$M \$ R \Rightarrow M = R$

$G * M \Rightarrow G = M$

Therefore,

$G > H \quad M = G \quad R$

Conclusions :

I.  $F \$ R \Rightarrow F = R$  : Not true

II.  $F @ R \Rightarrow F > R$  : True

III.  $H \$ G \Rightarrow H = G$  : True

70. Statements :

$P \# M \Rightarrow P < M$

$M \% R \Rightarrow M = R$

$R * T \Rightarrow R = T$

$T \# L \Rightarrow T < L$

Therefore,  $P < M \quad R = T < L$

Conclusions :

I.  $P \# R \Rightarrow P < R$  : True

II.  $P * R \Rightarrow P = R$  : Not true

III.  $M \% L \Rightarrow M = L$  : Not true

77. Sol: Meaningful words  $\Rightarrow$  MANE, MEAN, NAME

78. Sol: The sex of F is not given. Therefore, F is either brother or sister of B.

80. Sol: 10th or 11th July

His friend 11th, 12th or 13th July

11th July is the common date.

82-86: Sol (82-86):

T R M Q

U P V W

104. Sol: The series is  $(\times 0.5 - 0.5)$ ,  $(\times 1 + 1)$ ,  $(\times 1.5 - 1.5)$ ,  $(\times 2 + 2)$ ,  $(\times 2.5 - 2.5)$

106. Sol: The series is  $(\times 1 + 2)$ ,  $(\times 2 + 3)$  and so on.

107. Sol: The series is  $(\times 1 + 1^3)$ ,  $(\times 2 + 2^3)$ ,  $(\times 3 + 3^3)$  and so on.

108. Sol: The pattern is  $(\div 2 + 2)$ ,  $(\div 2 + 2)$ , and so on.

118. Sol: Total age of sum boys =  $26 \times 7$

Total age of first three boys =  $19 \times 3$

Total age of last three boys =  $32 \times 3$

Now the age of boy sitting in middle x them

$19 \times 3 + x + 32 \times 3 = 26 \times 7$

$x = 182 - 153$

$x = 29$  years

119. Sol: Let three consecutive even no are  $x$ ,  $x + 2$ ,  $x + 4$

(1)

and three consecutive odd no. are =  $x - 9$ ,  $x - 7$ ,  $x - 5$

(2)

By adding (1) + (2)

$6x - 15 = 165$

$6x = 180$

$x = 30$  then  $x - 9 = 21$

so even no 30, 32, 34 and odd no. = 21, 23, 25

= sum of the largest even and largest odd no. =  $34 + 25$

= 59