

101

**QUESTION BOOKLET****Jr. Statistical Assistant**

INSTRUCTIONS

Q.B. Number:

Roll Number:

--	--	--	--	--	--	--	--	--	--

Q.B. Series: **C**

Please read the following instructions carefully.

1) Mark carefully your Roll Number, Question Booklet Number and series of the paper on the OMR Answer Sheet and sign at the appropriate place. Write your Roll number on the question booklet.

2) Strictly follow the instructions given by the Centre Supervisor / Room invigilator and those given on the Question Booklet. Please ensure you fill all the required details and shade the bubbles correctly on the OMR Answer Sheet.

3) Please mark the right responses ONLY with Blue/Black ball point pen. USE OF PENCIL AND GEL-PEN IS NOT ALLOWED.

4) Candidates are not allowed to carry any papers, notes, books, calculators, cellular phones, scanning devices, pagers etc. to the Examination Hall. Any candidate found using, or in possession of such unauthorized material, indulging in copying or impersonation or adopting unfair means, is liable to be summarily disqualified and may be subjected to penal action.

5) After finishing the examination, hand over the complete question booklet and the OMR Answer Sheet. DO NOT carry the question booklet or any part of it, outside the examination room. Doing so, is a punishable offence.

6) The test is of objective type. This Question Booklet contains a total of 150 questions and the total time allotted is 2:30 minutes.

7) Each objective question is followed by four responses. Your task is to choose the correct response and mark your response on the OMR Answer Sheet and NOT on the Question Booklet.

8) All questions are compulsory. There will be no NEGATIVE MARKING.

9) For each answer as shown in the example below. The CORRECT and the WRONG method of darkening the CIRCLE on the OMR sheet are given below.



10) In view of the tight time span, do not waste your time on a question which you find to be difficult. Go on solving questions one by one and come back to the difficult questions at the end.

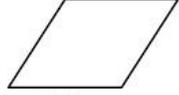
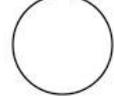
11) DO NOT make any stray marks anywhere on the OMR Answer Sheet. DO NOT fold or wrinkle the OMR Answer Sheet. Rough work MUST NOT be done on the answer sheet. Use your question booklet for this purpose.

1. Which gas is usually filled in the electric bulb?  
(A) Nitrogen  
(B) Hydrogen  
(C) Carbon Dioxide  
(D) Oxygen
2. Glasgow is the host city for which of the following event?  
(A) Winter Olympics 2014  
(B) Asian Games 2014  
(C) FIFA world Cup 2014  
(D) 20th Commonwealth Games 2014
3. Which among the following neighbouring country of India is separated from India by 'Palk Strait'?  
(A) Pakistan  
(B) Maldives  
(C) Sri Lanka  
(D) Afghanistan
4. Who is the current (as of June, 2014) Secretary General of United Nations Organization (UNO)?  
(A) Kofi Annan  
(B) Ban Ki-moon  
(C) Boutros Boutros-Ghali  
(D) Kurt Waldheim
5. Which is the first European team to win the FIFA World Cup in South America?  
(A) France  
(B) Germany  
(C) Netherlands  
(D) England
6. On which of the following rivers is the Bhakra Nangal Dam constructed?  
(A) Ganga  
(B) Yamuna  
(C) Mahanadi  
(D) Sutlej
7. Which country won the most number of medals in the Sochi 2014 Winter Olympics?  
(A) Switzerland  
(B) China  
(C) Russia  
(D) United States of America
8. Which Sikh Guru initiated the "Sikh Khalsa" in 1699?  
(A) Guru Nanak  
(B) Guru Arjan  
(C) Guru Tegh Bahadur  
(D) Guru Gobind Singh
9. Which of the following city is the headquarters of SAARC?  
(A) Islamabad  
(B) Dhaka  
(C) New Delhi  
(D) Kathmandu
10. Who among the following is the Secretary General of SAARC as on June, 2014?  
(A) Chenkyab Dorji  
(B) Abul Ahsan  
(C) Arjun Bahadur Thapa  
(D) Kant Kishore Bhargava
11. The Indian Constitution was amended for the first time in  
(A) 1950  
(B) 1951  
(C) 1952  
(D) 1953
12. Who are the publishers of Indian daily newspaper, The Times of India?  
(A) The Printers (Mysore) Pvt. Ltd  
(B) Indian Express Group  
(C) HT Media Limited  
(D) Bennett, Coleman and Company Limited

13. Which state is the highest producer of Rubber in India?  
(A) Kerala  
(B) Uttar Pradesh  
(C) Karnataka  
(D) Madhya Pradesh
14. Who among the following was awarded the Padma Vibhushan in 2014?  
(A) T. H. Vinayakram  
(B) Kamal Haasan  
(C) Ghulam Mohammed Sheikh  
(D) B. K. S. Iyengar
15. Who first addressed Mahatma Gandhi as "Father of the Nation"?  
(A) Subhash Chandra Bose  
(B) Rabindra Nath Tagore  
(C) Bal Gangadhar Tilak  
(D) Jawahar Lal Nehru
16. Which of the following was recently declared as the 29th State in India?  
(A) Andhra Pradesh  
(B) Telangana  
(C) Tamil Nadu  
(D) Goa
17. Which among the following is the second longest river of India?  
(A) Krishna  
(B) Kaveri  
(C) Godavari  
(D) Periyar
18. In April 2014, a Bollywood movie was released based on which of the following Chetan Bhagat's books?  
(A) Five Point Someone  
(B) One Night @ the Call Center  
(C) The 3 Mistakes of my Life  
(D) 2 States
19. Which is the First district in India to achieve a literacy rate of 100%?  
(A) Mizoram  
(B) Kottayam  
(C) Kolkata  
(D) Mumbai
20. In the Union Budget for Financial year 2014-15, the personal Income tax exemption limit for individual taxpayers, below 60 years of age has been raised by-  
(A) Rs. 50,000/-  
(B) Rs. 60,000/-  
(C) Rs. 70,000/-  
(D) Rs. 80,000/-
21. Which Lake is the biggest freshwater lake in India?  
(A) Wular Lake  
(B) Dal Lake  
(C) Manasbal Lake  
(D) Nigeen Lake
22. Who was the founder and first Maharaja of the princely state of Jammu and Kashmir?  
(A) Gulab Singh  
(B) Hari Singh  
(C) Pratap Singh  
(D) Ranbir Singh
23. A renowned small Shakti temple was built within the Bahu Fort during the 8th century popularly known as Bave Wali Mata Temple. To which Goddess the temple is dedicated to?  
(A) Lakshmi  
(B) Durga  
(C) Kali  
(D) Saraswati
24. In which year had Maharaja Hari Singh ascended the throne of Kashmir?  
(A) 1927  
(B) 1925  
(C) 1924  
(D) 1923

25. The source of which river lies at the Machoi glacier, which is close to the Zo-Zila Pass?  
 (A) Nubra River  
 (B) Dras River  
 (C) Doda River  
 (D) Neelam River
26. The source of which river lies at the Drang Drung glacier?  
 (A) Markha River  
 (B) Dras River  
 (C) Doda River  
 (D) Shyok River
27. Which part of the Directive Principles of the State Policy and Fundamental Duties of the Indian Constitution are not applicable to Jammu & Kashmir?  
 (A) Part III and XVIII  
 (B) Part XVIII and I  
 (C) Part I and III  
 (D) Part IV and IV A
28. Which river is famously called as Chandrabhaga, due to the confluence of two rivers Bhaga and the Chandra River in the Himalayas?  
 (A) Ravi River  
 (B) Suru River  
 (C) Chenab River  
 (D) Shingo River
29. Which article of the Indian constitution, which is of a temporary nature, grants special status to Jammu and Kashmir?  
 (A) 371  
 (B) 370  
 (C) 372  
 (D) 374
30. Which national highway connects Kashmir valley with Jammu region and the rest of India through the Banihal road tunnel near Qazigund?  
 (A) NH 1A  
 (B) NH 2  
 (C) NH3  
 (D) NH1
31. What is  $\int x e^{x^2} dx$  ?  
 (A)  $e^{x^2} + C$   
 (B)  $2 e^{x^2} + C$   
 (C)  $\frac{e^{x^2}}{2} + C$   
 (D)  $x e^{x^2} + C$
32. If,  $A \subset B$ .  $n(A) = 30, n(B) = 20$ . What is the value of  $n(A \cup B)$ ?  
 (A) 10  
 (B) 20  
 (C) 30  
 (D) 50
33. What is the derivative of  $\frac{x}{\log x}$  with respect to  $x$ ?  
 (A)  $\log\left(\frac{e}{x}\right)$   
 $\frac{(\log x)^2}$   
 (B)  $\log\left(\frac{x}{e}\right)$   
 $\frac{(\log x)^2}$   
 (C)  $\log\left(\frac{x}{e}\right)$   
 $\frac{x^2}{x^2}$   
 (D)  $\log\left(\frac{e}{x}\right)$   
 $\frac{x^2}{x^2}$
34. What is the integrating factor of  $x \frac{dy}{dx} - y = x^2 e^x$ ?  
 (A)  $\frac{1}{x}$   
 (B)  $-\frac{1}{x}$   
 (C)  $\log\left(\frac{1}{x}\right)$   
 (D)  $\log(x)$
35. If  $(-10, 20), (20, -10)$  are the extremities of the diameter of a circle, then what is its centre?  
 (A)  $(5, 5)$   
 (B)  $(10, 10)$   
 (C)  $(15, 15)$   
 (D)  $(30, 30)$
36. What is the angle between the lines AC and BC if the points A, B and C are  $A(2, 3), B(-3, 2)$  and  $C(0, 0)$ ?  
 (A)  $0^\circ$   
 (B)  $30^\circ$   
 (C)  $45^\circ$   
 (D)  $90^\circ$

37. If  $f(x)$  is a quadratic equation, then which of the following is true?  
 (A)  $\Delta f(x) = 0$   
 (B)  $\Delta^2 f(x) = 0$   
 (C)  $\Delta^3 f(x) = 0$   
 (D)  $\Delta^3 f(x) \neq 0$
38. If  $A = \begin{bmatrix} 1 & 0 \\ 1 & 1 \end{bmatrix}$  and  $B = \begin{bmatrix} 4 & 6 \\ 2 & 3 \end{bmatrix}$ , then what is the determinant value of  $AB$ ?  
 (A) 0  
 (B) 12  
 (C) 24  
 (D) -24
39. Which of the following points are collinear?  
 (A)  $(x,y), (x-h,y+k), (x+h,y-k)$   
 (B)  $(x,y), (x-h,y+k), (x+h,y+k)$   
 (C)  $(x,y), (x+h,y-k), (x+h,y+k)$   
 (D)  $(x,y), (x+h,y-k), (x-h,y+k)$
40. What is the solution of the differential equation  $\sin x \cos y dx + \cos x \sin y dy = 0$   
 (A)  $\cos x \cos y = C$   
 (B)  $\sin x \cos y = C$   
 (C)  $\cos x \sin y = C$   
 (D)  $\sin x \sin y = C$
41. What is the solution of  $x^2 dy = y^2 dx$ ?  
 (A)  $\frac{1}{x} + \frac{1}{y} = C$   
 (B)  $\frac{1}{x} - \frac{1}{y} = C$   
 (C)  $x^3 - y^3 = C$   
 (D)  $x^3 + y^3 = C$
42. If,  $(A \cap B \cap C) = 1$ ;  $n(A \cap B) = 2$ ;  $n(A \cap C) = 3$ ;  $n(B \cap C) = 4$ ;  $n(A) = 5$ ;  $n(B) = 6$ ;  $n(C) = 7$ ;  $n(\overline{A \cup B \cup C}) = 8$  then what is the value of  $n(U)$ , if  $U$  is the universal set?  
 (A) 18  
 (B) 20  
 (C) 30  
 (D) 36
43. In Lagrange's interpolation the curve passes through-  
 (A) All the given points  
 (B) None of the given points  
 (C) Neighboring points  
 (D) Points such that the error is minimum
44. What is  $\int x e^{x^2} \tan(e^{x^2}) \sec^2(e^{x^2}) dx$ ?  
 (A)  $\frac{\tan(e^{x^2})}{4} + C$   
 (B)  $\frac{\tan^2(e^{x^2})}{4} + C$   
 (C)  $\frac{\tan^2(e^{x^2})}{2} + C$   
 (D)  $\frac{\tan(e^{x^2})}{2} + C$
45. If we use Crammer's rule, what is the value of  $y$ , if  $5x+17y=125$  and  $3x-13y=75$ ?  
 (A) 0  
 (B) 1  
 (C) 2  
 (D) 3
46. What is the multiplicative inverse of the matrix  $\begin{bmatrix} 0 & 11 \\ 11 & 0 \end{bmatrix}$ ?  
 (A)  $\begin{bmatrix} 0 & -11 \\ -11 & 0 \end{bmatrix}$   
 (B)  $\begin{bmatrix} -11 & 0 \\ 0 & -11 \end{bmatrix}$   
 (C)  $\begin{bmatrix} 0 & -\frac{1}{11} \\ -\frac{1}{11} & 0 \end{bmatrix}$   
 (D)  $\begin{bmatrix} 0 & \frac{1}{11} \\ \frac{1}{11} & 0 \end{bmatrix}$
47. If,  $(x) = \frac{1}{x}$  then what is the differentiation of  $(f(x))$ ?  
 (A) 1  
 (B)  $x$   
 (C)  $-\frac{1}{x^2}$   
 (D)  $-\frac{2}{x^3}$

48. What is the derivative of  $2^{(e^{\log x} + 1)}$  with respect to  $x$ ?
- (A)  $\frac{(2^x)}{(\log 2)}$   
 (B)  $(\log 2)(2^x)$   
 (C)  $\frac{(2^{(x+1)})}{(\log 2)}$   
 (D)  $(\log 2)(2^{(x+1)})$
49. If,  $n(\bar{A}) = 20$ ;  $n(\bar{B}) = 30$ ;  $n(A \cup B) = 50$ ;  
 $n(A \cap B) = 10$  and if  $U$  represents the universal set,  
 then what is the value of  $(U)$  ?
- (A) 50  
 (B) 55  
 (C) 60  
 (D) 65
50. In a class of 50 students, 30 are boys and the rest are girls. 30 students are hostellers and the rest come from their home. If 10 boys are non-hostellers then how many girls are hostellers?
- (A) 0  
 (B) 5  
 (C) 10  
 (D) 20
51. Which type of virus is explicitly designed to hide itself from detection by antivirus software?
- (A) Polymorphic Virus  
 (B) Worm  
 (C) Stealth virus  
 (D) Micro virus
52. Which of the following is an Internet browser?
- (A) Task bar  
 (B) Windows Explorer  
 (C) www.gmail.com  
 (D) Mozilla Firefox
53. Which flow chart symbol is used to specify a logical condition of a problem statement?
- (A)   
 (B)   
 (C)   
 (D) 
54. What does ASCII stands for?
- (A) American Standard Code for Information Institute  
 (B) Association of Standard Code for Information Institute  
 (C) American Standard Code for Information Interchange  
 (D) Association of Standard Code for Information Interchange
55. Which of the following is the correct form for an e-mail address?
- (A) ramesh:coldmail.com  
 (B) coldmail.com@ramesh  
 (C) ramesh@http://www.coldmail.com  
 (D) ramesh@coldmail.com
56. What do you mean by RARP?
- (A) Reverse Address Resolution Point  
 (B) Reverse Address Resolution Protocol  
 (C) Reserve Address Resolution Protocol  
 (D) Reserve Address Resolution Point
57. Which function is used to count the number of cells having any data?
- (A) Count()  
 (B) Counta()  
 (C) Counts()  
 (D) Countb()

58. You are creating a new PowerPoint presentation in MS Office 2007. Suppose you want to insert a 'Banner' shape in a slide. Which of the following is the correct option for doing so?
- (A) Design-->Shapes-->Stars and Banners
  - (B) Insert-->Shapes-->Stars and Banners
  - (C) Format-->Shapes-->Stars and Banners
  - (D) Insert-->WordArt
59. Joystick, scanners, bar code reader, touch screen and light pen are the example of which of the following?
- (A) Input devices
  - (B) Output devices
  - (C) Firmware
  - (D) Software
60. How will you enable Word Art Toolbar in MS Word 2007?
- (A) Insert --> Word Art
  - (B) Tools -->Options -->Word Art
  - (C) View -->Word Art
  - (D) View-->Toolbars-->Word Art
61. Which of the following technique is used in economics to get market demand curve?
- (A) Horizontal summation
  - (B) Vertical Summation
  - (C) Equilibrium
  - (D) Interdependency
62. Which growth model was adopted in the 1st Five Year Plan?
- (A) Harrod - Domar
  - (B) Harrold - Dimmer
  - (C) Doma - Harro
  - (D) Dimman - Harrod
63. A firm under Perfect Competition is in what state at the output, whose price is equal to both Marginal Cost and Average Cost?
- (A) Long-Run Equilibrium
  - (B) Short Run Equilibrium
  - (C) Upward Swing
  - (D) Downward Swing
64. How do you determine the value of Marginal Product for Labour?
- (A)  $VMPL = MPL * P$
  - (B)  $VMPL = MPL + P$
  - (C)  $VMPL = MPL - P$
  - (D)  $VMPL = MPL / P$
65. Which of the following situation occurs when aggregate demand is growing at an unsustainable rate leading to increased pressure on scarce resources and a positive output gap?
- (A) Cost Pull Inflation
  - (B) Cost Push Inflation
  - (C) Demand Push Inflation
  - (D) Demand pull inflation
66. When the price of a good or product decreases, the relative price of that good makes buyer more eager to buy that good or product This effect is referred as -
- (A) Income
  - (B) Demand
  - (C) Substitution
  - (D) Supply
67. Which of the following is used to refer to the actions of central banks to achieve macroeconomic policy objectives such as price stability, full employment, and stable economic growth?
- (A) Fiscal policy
  - (B) Monetary policy
  - (C) Corporate policy
  - (D) Government policy
68. Which of the following is a narrow indicator of economic development that excludes non-economic indicators such as leisure time, access to health, education, environment, freedom or social justice?
- (A) Net National Product
  - (B) Gross National Product
  - (C) Gross Domestic Product
  - (D) Per Capita Income

69. Which of the following curve means that an increase in the wages induces workers to increase the quantity of labour they supply?  
(A) Upward  
(B) Downward  
(C) Vertical  
(D) Horizontal
70. Which of the following formula was modified by NDC in 1991 when Pranab Mukherjee was Deputy Chairman of the Planning commission?  
(A) Gadgil formula  
(B) Kharif formula  
(C) Mahalanobis formula  
(D) Harrod formula
71. Which of the following is considered as 'factor of production' as economic resources can exist in an economy and non-transferable into consumer goods?  
(A) Knowledge  
(B) Entrepreneurship  
(C) Land  
(D) Capital
72. Transfer earnings from Government is an addition to which of the following?  
(A) Personal Income  
(B) Private Income  
(C) Disposable Income  
(D) Gross Income
73. What is referred to as the situation where the consumer has not reached the point of saturation in case of any commodity?  
(A) Nonsatiety  
(B) Transitivity  
(C) Sensitivity  
(D) Consistency
74. Short term economic growth is mainly driven by the level of -  
(A) Aggregate Supply  
(B) Aggregate Demand  
(C) Difference between Export and Import  
(D) Domestic Consumption
75. Who originated the technique of indifference curve in England in 1881?  
(A) Fransis. Y. Edworth  
(B) Adam Smith  
(C) Alfred Marshall  
(D) A.C. Pigou
76. Which of the following tool measures income distribution that identifies the share of the nation's income earned by different segments of the population?  
(A) Equilibrium curve  
(B) Multiplier  
(C) Demand curve  
(D) Lorenz Curve
77. Informational imperfections impose what type of costs on the working of markets and affect the nature of contracts and incentive schemes?  
(A) Fixed Costs  
(B) Variable Costs  
(C) Switching Costs  
(D) Transaction Cost
78. Restrictions to entry is a characteristic of which of the following market?  
(A) Perfect Market  
(B) Imperfect Market  
(C) Monopoly  
(D) Oligopoly
79. Which of the following is measured against the average age that the individual is expected to reach?  
(A) Low life expectancy  
(B) Low standard of education  
(C) Poor health care  
(D) Unemployment

80. What is the specific objective of India's 12th Five Year Plan?
- (A) Self employment and resource development
  - (B) Improvement of health, education and sanitation
  - (C) Priority to industries sector
  - (D) Food production, employment and productivity
81. Under which of the following System there is no business cycle since all economic activities are controlled by the central planners?
- (A) Communist
  - (B) Socialist
  - (C) Radicals
  - (D) Marxist
82. Under price discrimination mechanism, 'Dispose of surplus stock' is considered as what?
- (A) Constraint
  - (B) Feature
  - (C) Objective
  - (D) Criteria
83. What are the Countries which are moving from a centrally planned economy to a free market are referred to?
- (A) Economies In Transition (EIT)
  - (B) Economic Transfers (ET)
  - (C) Economic Imbalance (EI)
  - (D) Economic Vulnerability Index (EVI)
84. Which of the following tool is used as one way to measure the inequalities in the distribution of income and wealth in different countries?
- (A) Correlation Coefficient
  - (B) Gardey Coefficient
  - (C) Gini Coefficient
  - (D) Phi Coefficient
85. Products such as jewels, diamonds and so on confer distinction on the part of the user, where in consumers tend to buy more goods when the price increases, and vice versa. This is an example of which type of good?
- (A) Veblen Goods
  - (B) Giffen Goods
  - (C) Substitute Goods
  - (D) Complementary Goods
86. Which of the following problem arises when there is asymmetric information with regard to actions by the government among developing countries?
- (A) Adverse Selection
  - (B) Moral Hazard
  - (C) Rationality
  - (D) Agency Problem
87. Payment for manmade factors such as buildings, machineries, etc. is an example of which type of rent?
- (A) Quasi
  - (B) Recardian
  - (C) Economic
  - (D) Normal
88. Which of the following denotes the Aggregate Growth Model to project macro economic variables?
- (A)  $K(t) = cY(t)$
  - (B)  $K(t) = Y(tc)$
  - (C)  $K(t) = Y(t)c$
  - (D)  $K(t) = cY(tc)$
89. What is referred to as change in the revenue resulting from the employment of an extra unit of the factor?
- (A) Marginal Revenue Product
  - (B) Marginal expense
  - (C) Marginal Factor Cost
  - (D) Marginal Budget

90. A rise in real GDP can lift millions of people out of which of the following?  
(A) Absolute Poverty  
(B) Relative Poverty  
(C) Comparative Poverty  
(D) Normal poverty
91. For comparing year changes in price level, the suitable index to be used is:  
(A) F.B.I.  
(B) C.B.I.  
(C) F.B.I. with price change as base  
(D) Consumer Price Index (C.P.I.)
92. Which of these cities will be having the highest population city wise in 2015?  
(A) Tokyo  
(B) Delhi  
(C) Los Angles  
(D) Moscow
93. For which of the following distribution the Z value and the observes value are same?  
(A) Binomial Distribution  
(B) Standard Normal distribution  
(C) Lognormal Distribution  
(D) Poisson Distribution
94. The geometric mean of L and P indices is:  
(A) Fisher ideal index  
(B) Bowley Index  
(C) Marshall & Edgeworth Index  
(D) Kelly Index
95. Weighted average of relatives if base year value is taken as weights gives  
(A) Fisher ideal index  
(B) Laspeyres Index  
(C) Bowley Index  
(D) Marshall & Edgeworth Index
96. The number of degree of freedom for a 4X5 contingency table in a chi square test is  
(A) 3  
(B) 6  
(C) 9  
(D) 12
97. The level of reproduction in the society is known as  
(A) Mortality  
(B) Fertility  
(C) Migration  
(D) Morbidity
98. What is the current globe population?  
(A) 5 Billion +  
(B) 6 Billion +  
(C) 7 Billion +  
(D) 8 Billion +
99. What is sampling error? It is  
(A) Population parameter  
(B) Sample statistic  
(C) Population parameter=Sample Statistic  
(D) The difference between population parameter and sample statistic
100. According to whom population increase in Geometric progression while food production increase in arithmetic progression.  
(A) Malthus  
(B) Keynes  
(C) Robbins  
(D) Bowley
101. Which type of sampling strategy is exemplified by selecting two type of individual?  
(A) Intensity  
(B) Criterion  
(C) Snowball  
(D) Stratified
102. Which of the following is the case of Type II error?  
(A) The null hypothesis is true and rejected  
(B) The null hypothesis is false and rejected  
(C) The null hypothesis is true and accepted  
(D) The null hypothesis is false and accepted

103. Counting of population is referred as
- (A) Growth rate
  - (B) A census
  - (C) Total Fertility rate
  - (D) Total mortality rate
104. How many types of hypothesis are there?
- (A) One
  - (B) Two
  - (C) Three
  - (D) Four
105. The Crude birth rate is
- (A) The average number of child in a society
  - (B) Based on the women between the age of 14 to 40(Child bearing age?)
  - (C) The average number of live births in a year on 1000 women population
  - (D) The average number of live births in a year on 1000 People of total population
106. How many methods are employed to measure the seasonal variations?
- (A) 1
  - (B) 2
  - (C) 3
  - (D) 4
107. The number of live births per thousand population in a given year
- (A) Crude birth rate
  - (B) Total Fertility Rate
  - (C) Mortality rate
  - (D) Morbidity rate
108. What stage of demographic transition theory depicts the onset of Industrialization?
- (A) Stage 1
  - (B) Stage 2
  - (C) Stage 3
  - (D) Stage 4
109. Demographers use the crude birth rate as an indicator of
- (A) Crude Birth rate
  - (B) Crude Death rate
  - (C) Fertility Rate
  - (D) Mortality rate
110. If the population standard is 20 and the sample size is 16 then the standard error of mean will be
- (A) 5
  - (B) 1.5
  - (C) 6
  - (D) 6.25
111. Match the following with respect to controls based on timing.
- 1. Feed forward control
  - 2. Concurrent control
  - 3. Feedback control
- A. Measures the results and compares them against predetermined standards.
  - B. Regulate ongoing activities
  - C. It is future oriented
- (A) 1-B, 2-C, 3-A
  - (B) 1-C, 2-B, 3-A
  - (C) 1-C, 2-A, 3-B
  - (D) 1-A, 2-C, 3-B
112. The process of control consists of the following four steps.
- 1. Measurement of performance.
  - 2. Take remedial actions.
  - 3. Establishment of standards.
  - 4. Comparison of actual and standard performance.
- Rearrange the steps in the correct sequence.
- (A) 2, 4, 3, 1
  - (B) 1, 3, 4, 2
  - (C) 2, 3, 4, 1
  - (D) 3, 1, 4, 2

113. The following are the stages in consumer decision making process.
1. Information search
  2. Evaluation of alternatives
  3. Post purchase behavior
  4. Problem recognition
  5. Purchase decision.
- Rearrange the above stages in the correct sequence.
- (A) 4, 1, 2, 5, 3  
(B) 4, 2, 1, 5, 3  
(C) 3, 5, 2, 1, 4  
(D) 2, 1, 5, 3, 4
114. Which of the following is a branch of economics which assesses the government revenue and government expenditure of the public authorities and the adjustment of one or the other to achieve desirable effects and avoid undesirable ones?
- (A) Public finance  
(B) Macroeconomics  
(C) Public good  
(D) Transfer payments
115. Which of the following is concerned with procurement and effective utilization of funds for the benefit of its shareholders?
- (A) Financial planning  
(B) Financial management  
(C) Financial decisions  
(D) Financial control
116. Which of the following are essential components of a public financial management system?
1. Resource generation
  2. Public budgeting
  3. Resource allocation
  4. Expenditure management
  5. Government operations
- (A) 1, 2, 3  
(B) 1, 3, 4  
(C) 2, 4, 5  
(D) 3, 4, 5
117. 1. Staffing function prepares manpower planning to match the organizational and departmental requirements.  
2. Staffing impacts productivity indirectly.  
Identify whether the above statements related to importance of staffing are true or false.
- (A) 1-True, 2-False  
(B) 1-True, 2-True  
(C) 1-False, 2-False  
(D) 1-False, 2-True
118. Which of the following is a financial statement that shows the financial position i.e. the assets, liabilities and capital of the business as on a particular date?
- (A) Profit and loss account  
(B) Trading account  
(C) Balance sheet  
(D) Capital account
119. Which of the following is the first step of the management process?
- (A) Leading  
(B) Staffing  
(C) Organizing  
(D) Planning
120. Which of the following is the central part of modern public finance?
- (A) Revenue  
(B) Expenditure  
(C) Income  
(D) Taxation
121. Net working capital (NWC) is expressed by which of the following formula?
- (A)  $NWC = \text{Current assets} / \text{current liabilities}$   
(B)  $NWC = \text{Current assets} - \text{current liabilities}$   
(C)  $NWC = (\text{Current assets} - \text{Inventory and prepaid expenses}) / \text{Current liabilities}$   
(D)  $NWC = \text{Cash and marketable securities} / \text{Current liabilities}$

122. Which of the following is an indirect tax?
- (A) Income tax
  - (B) Wealth tax
  - (C) Sales tax
  - (D) Interest tax
123. Which of the following terms refer to forces outside marketing that affect marketing management's ability to build and maintain successful relationships with the target customers?
- (A) Economic environment
  - (B) Marketing environment
  - (C) Cultural environment
  - (D) Demographic environment
124. Which of the following refers to a system or process in which employees receive confidential, anonymous feedback from the people who work around them?
- (A) 360 degree appraisal
  - (B) Critical incident technique
  - (C) Management by objectives
  - (D) Performance management system
125. Management is defined as "The act of getting things done through people". Who proposed this definition of management?
- (A) Peter Drucker
  - (B) F.W. Taylor
  - (C) Mary Parker Follet
  - (D) Harold Koontz
126. Which of the following is defined as the process of determining future human resource needs relative to an organization's strategic plan and devising the steps necessary to meet those needs?
- (A) Human resource management
  - (B) HR audit
  - (C) Human resource development
  - (D) Human resource planning
127. Under which of the followings concepts, each manager must look beyond what is legal and allowed and develop standards based on personal integrity, corporate conscience and long term consumer welfare?
- (A) Selling concept
  - (B) Production concept
  - (C) Marketing concept
  - (D) Societal marketing concept
128. In which evaluation system, the manager and the employee to be evaluated jointly set objectives/targets in advance for the employee to achieve during a specified period?
- (A) Graphic rating scale
  - (B) Forced choice method
  - (C) Essay evaluation
  - (D) Management by Objective
129. Which of the following is defined as the management function of influencing, motivating, and directing people towards the achievement of organizational goals?
- (A) Leading
  - (B) Planning
  - (C) Controlling
  - (D) Organizing
130. What do you call a situation where the combined value of a firm is more than the sum of the values of individual firms?
- (A) Strategic compatibility
  - (B) Synergy
  - (C) Value creation
  - (D) Organizational compatibility
131. If an investigator collects information regarding births and deaths directly from the people, the data is called
- (A) Survey data
  - (B) Census data
  - (C) Secondary data
  - (D) Primary data

132. Classification is a systematic grouping of the units according to their –
- (A) Common characteristics
  - (B) Variable characteristics
  - (C) Numerical characteristics
  - (D) Constant characteristics
133. The questions in a questionnaire are arranged in which of the following sequence?
- (A) Roman number
  - (B) Alphabetic
  - (C) Numerical
  - (D) Logical
134. The systematic arrangement of classified data in rows and columns of a table is called -
- (A) Absorption
  - (B) Tabulation
  - (C) Classification
  - (D) Deletion
135. What do you mean by dichotomy?
- (A) Classification of units on the basis of a characteristic into four classes.
  - (B) Classification of units on the basis of a characteristic into three classes.
  - (C) Classification of units on the basis of a characteristic into infinite classes.
  - (D) Classification of units on the basis of a characteristic into two classes.
136. State true (T) or false (F).
- 1) The number of observations in any class is the class frequency.
  - 2) Each class interval is specified by two limits called as class limits.
  - 3) A histogram is the simplest form of graphical representation.
- (A) T, T, F
  - (B) T, T, T
  - (C) F, T, F
  - (D) F, F, T
137. What type of data do you collect in direct personal observation?
- (A) Indefinite and variable data
  - (B) Non-homogeneous and constant data
  - (C) Varying and definite data
  - (D) Homogeneous and comparable data
138. When do we get success in questionnaire method of collection of data?
- (A) When proper drafting is done
  - (B) When questions are very strange
  - (C) When there are many questions
  - (D) When questions are complex
139. Which of the following is a representative portion of the population?
- (A) Sample
  - (B) Unit
  - (C) Survey
  - (D) Census
140. What is it called when the relationship between two variables is studied?
- (A) Simple correlation
  - (B) Simulation
  - (C) Proportion
  - (D) Regression
141. The following are the marks scored by 8 students in an examination.  
Marks: 46 83 13 04 15 28 30 34  
Find the median marks?
- (A) 19
  - (B) 39
  - (C) 29
  - (D) 49
142. When a statistician collects secondary data what should be verified?
- (A) Depth of the source, breadth of the data
  - (B) Reliability of the source, validity of the data
  - (C) Quality of the source, quantity of the data
  - (D) Level of the source, sink of the data

143. State true (T) or false (F).  
(i) Primary data are cheap  
(ii) Secondary data are primarily collected for some other purpose  
(iii) Secondary data are costly  
(A) T, T, T  
(B) F, F, F  
(C) F, T, F  
(D) F, F, T
144. The questionnaires are filled by questions pertaining to the -  
(A) Syllabus  
(B) Topic  
(C) Investigation  
(D) Country
145. When the data is collected through TV, what type of information is required?  
(A) Constant  
(B) Random  
(C) Periodic  
(D) Variable
146. What is the probability of getting a sum 'nine' when two dice are thrown?  
(A)  $\frac{1}{7}$   
(B)  $\frac{2}{9}$   
(C)  $\frac{3}{5}$   
(D)  $\frac{1}{9}$
147. Which of the following is used for collecting data when area to be covered is large?  
(A) Indirect oral interview  
(B) Direct oral interview  
(C) Contact method  
(D) Advertisement
148. What is the probability of getting two heads when 3 coins are tossed?  
(A)  $\frac{1}{8}$   
(B)  $\frac{3}{8}$   
(C)  $\frac{7}{8}$   
(D)  $\frac{3}{4}$
149. What type of letter should be attached to the questionnaire?  
(A) Inland letter indicating the purpose of count  
(B) Registered letter indicating the purpose of trial  
(C) Covering letter indicating the purpose of the survey  
(D) Emailed letter indicating the purpose of the variable
150. Heights of six students are 163, 173, 168, 156, 162 and 165 cms. Find the arithmetic mean?  
(A) 164.5 cms  
(B) 174.6 cms  
(C) 184.7 cms  
(D) 154.5 cms

Space for Rough work:

---