

MASTER MINDS
Guntur, A.P
C:9885125025 | 26

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CPT – June 2011 Question Paper (Based on Memory)**2nd Session****Marks: 100 Marks****Time: 2 hrs.****Part A – General Economics**

1. Pradhanmantri Bharat Jodo Pariyojna” is related to _____
a) Communications b) Social Integration
c) Linking of Rivers
d) Development of Highways
2. Mixed Economy means _____
a) Co-existence of both public and private sector
b) Only Public Sector exists
c) Only Private Sector exists d) None
3. During inflation which type of monetary policy is followed
a) Cheap money policy
b) Dear Money Policy
c) Neutral money policy d) None of these
4. $G.N.P_{MP}$ minus _____ is equal to $G.D.P_{MP}$.
a) Subsidies b) Direct Taxes
c) Depreciation
d) Net factor income from abroad
5. Which organization has facilitated the process of Globalisation.
a) UNO b) WHO c) WTO d) None
6. Special Drawing Rights (SDR) was first introduced in the year _____
a) 1959 b) 1969 c) 1979 d) 1989
7. What would be the cross elasticity of demand for complementary goods.
a) Positive b) Negative c) Zero d) None
8. Before financial reforms the banking sector characterized by the following features except
a) High Revenue Requirements
b) Quantitative credit restrictions
c) Administered interest rate structure
d) keeping very less lendable resource for the priority sector.
9. Green Revolution is also known as _____
a) Wheat revolution b) Rice Revolution
c) Maize Revolution d) Forest Revolution
10. Which among the following factors caused demand pull inflation.
a) Decrease in government expenditure
b) Decrease in Direct taxes
c) Decrease in wealth
d) Decrease in money supply
11. In the long run _____
a) All factors are fixed
b) All factors are variable
c) No factor is variable d) None
12. The price of apples falls by 5% and quantity demanded rises by 6%, this means _____ demand
a) Elastic b) Perfectly elastic
c) Inelastic d) Zero elastic
13. Which of the following is the best example of agreement between oligopolists.
a) OPEC b) WTO c) SAARC d) GATT
14. Globalization and Liberalisation are _____ to each other.
a) Complementaries b) Competitive
c) Substitutes d) None
15. The Oligopoly market structure having identical products is _____
a) Pure Oligopoly b) Imperfect
c) price Leader d) Collusive
16. The monopolist usually fixes the price of his product range when the elasticity of demand is _____
a) < 1 b) > 1 c) 1 d) none
17. Which state has maximum percentage of schedule caste population _____
a) Uttar Pradesh b) Madhya Pradesh
c) Punjab d) Karnataka
18. SEZ came into force in _____
a) 2004 b) 2006 c) 2005 d) 2000
19.

Output	0	1	2	3
TC	300	1000	1500	3000

Find out AFC at 3 units of output
a) 100 b) 200 c) 250 d) 350
20. When TU is maximum then MU will be _____
a) zero b) Negative
c) Positive d) Contrast

21. The value of 1\$ which is Rs. 49, now changed to Rs. 39 it indicates the value of Rupee is ____
 a) Devaluation b) Appreciated
 c) Depreciated d) None
22. Who was the Chairman of planning commission working group that has suggested the shift of whole sale price index base year from 1993-94 to 1999-2000.
 a) C. Ranga Rajan b) Prof. Abhijit sen
 c) Prof. A.M.Khusrou d) Prof. Janakiraman
23. Which of the following is studied in micro economics
 a) Factor pricing b) Product pricing
 c) Both (a) and (b) d) None
24. Which of the following is studied in Macro Economics
 a) National Income
 b) Balance of payments
 c) per capita income d) all of these
25. Contraction of Demand is the result of ____
 a) Decrease in number of consumers
 b) Increase in price
 c) Increase in price of related goods
 d) Decrease in the income of consumers.
26. ____ is not a "U" shaped curve
 a) AFC b) AVC c) ATC d) MC
27. Excise duty is levied on ____
 a) Services b) Sales
 c) Production d) Both (b) & (c)
28. About ____ percent of India's External assistance has been in the form of loans.
 a) 40 b) 90 c) 15 d) 35
29. Bank rate refers to ____
 a) The rate at which banks give loans to customers
 b) The rate at which banks give loans to RBI
 c) The rate at which RBI discounts the Bills
 d) None of these
30. The objectives of monetary policy are ____
 a) Price stability
 b) Exchange rate stability
 c) Employment generation d) All the above
31. A perfectly competitive firm has ____ demand.
 a) Perfectly Elastic b) Imperfectly Elastic
 c) Relatively Elastic d) Relatively inelastic
32. Which state has highest MMR ____
 a) Madhya Pradesh b) Uttar Pradesh
 c) Himachal Pradesh d) Gujarat
33. Which state has lowest infant Mortality Rate
 a) Tamilnadu b) Kerala
 c) Goa d) Himachal Pradesh
34. Public sector in India suffers from ____
 a) Political Interference b) Over staffing
 c) lack of talented personal d) All the above
35. In order to measure inequalities of income and wealth which of the following is generally used.
 a) HDI b) Gini index
 c) Per capita income d) National Income
36. GNP at factor cost minus depreciation is equal to ____
 a) NNP_{FC} b) NDP_{FC}
 c) GDP_{FC} d) NNP_{MP}
37. Who among the following has considered economics only as a positive science
 a) A.Marshall b) L.Robbins
 c) Adam Smith d) A.C.Pigou
38. When people move from one job to another job (or) in between the jobs, the unemployment thus results in
 a) Frictional b) Voluntary
 c) Cyclical d) Disguised
39. Iron & Steel Industries come under
 a) Capital goods industries
 b) Basic good industries
 c) Both (a) & (b) d) None of these
40. Under which of the following tax system, heavy tax imposed on the lower section of society.
 a) Digressive b) Progressive
 c) Regressive d) Proportional
41. Deflation has a side effect of:
 i) Increase in unemployment
 ii) Increase in Demand
 iii) Economic depression
 iv) Increase in individual expenditure
- Which are correct?
 a) (i) & (ii) b) (ii) & (iv)
 c) (i) & (iii) d) All of the above
42. Calculate AFC at 2 units from following table
- | | | | |
|------------|-----|-----|-----|
| Output | 0 | 1 | 2 |
| Total cost | 580 | 695 | 850 |
- a) 105 b) 235 c) 180 d) 290

Part B - Quantitative Aptitude43. If $n = M!$ then

$$\frac{1}{\log_2 n} + \frac{1}{\log_3 n} + \frac{1}{\log_4 n} + \dots + \frac{1}{\log_m n}$$

a) 1 b) 0 c) 2 d) -1

44. If $f(x) = \frac{x}{\sqrt{1-x^2}}$, $g(x) = \frac{x}{\sqrt{1+x^2}}$, then $(f \circ g)(x) =$

a) x b) -x c) f(x) d) g(x)

45. Two AM's between 68 & 260 is:

a) 132 & 196 b) 130 & 194
c) 70 & 258 d) None

46. If the sum of first n terms of an A.P. is $2n^2 + n$ then the difference of its tenth & first term is:

a) 207 b) 36 c) 90 d) 63

47. $(243)^{1/6} (243)^{1/36} \dots \dots \dots \infty$

a) 243 b) 729 c) 2187 d) 6561

48. Geometric mean of $P, P^2, P^3, \dots, P^n$ where P is a positive integer.

a) $P^{(n+1)}$ b) $P^{\left(\frac{n+1}{2}\right)}$ c) $P^{\left(\frac{n(n+1)}{2}\right)}$ d) None

49. From the following choice, what is the equation of a line whose x-intercept is half as that of line $3x+4y=12$ and y-intercept twice of same.

a) $3x+8y=24$ b) $8x+3y=24$
c) $6x+3y=6$ d) $3x+y=6$

50. For $x^2 - x + r = 0$, the roots are α, β such that $\alpha^3 + \beta^3 = 6$ then the value of r is

a) $1/3$ b) $-1/3$ c) $5/3$ d) $-5/3$

51. $\lim_{x \rightarrow 2} \frac{x^2 - 4}{x^2 + 2x - 8} = K$ then find $\lim_{x \rightarrow K} (3x + 4)$

a) 2 b) 3 c) 5 d) 6

52. $f(x) = {}^x C_3$ then $f'(1) =$

a) $1/6$ b) $-1/6$ c) 6 d) 0

53. If $Y = e^{a \log x} + e^{x \log a}$ then $\frac{dy}{dx} =$

a) $x^a + a^x$ b) $ax^{a-1} + a^x \log a$
c) $ax^{a-1} + x.a^{x-1}$ d) $x^x + a^a$

54. $\int \frac{(\log x^x)^2}{x^3} dx$

a) $\frac{x^3}{3} \log x + X + C$

b) $\frac{(\log x)^3}{3} + C$

c) $\frac{\log(\log x)}{3} + C$

d) $\frac{(\log x^x)^3}{3} + C$

55. If $f^1(x) = 3x^2 - \frac{2}{x^3}$ and $f(1) = 0$ then $f(x) =$

a) $x^3 + \frac{1}{x^2} - 2$

b) $x^3 + \frac{1}{x^2}$

c) $x^3 - \frac{1}{x^2}$

d) $x^3 + \frac{1}{x^2} + 2$

56. $\int_{-1}^1 (e^x - e^{-x}) dx =$

a) 1 b) -1 c) 2 d) 0

57. In how many ways can 15 people be seated at two round tables with 7 seats and 8 seats respectively.

a) $\frac{15!}{8!}$

b) $7! 8!$

c) ${}^{15}C_8 6! 7!$

d) $2 \cdot {}^{15}C_7 6! 7!$

58. $\frac{5x-3y}{5y-3x} = \frac{3}{4}$ then $x:y$

a) 27:29 b) 29:27 c) 3:1 d) 1:3

59. If the difference b/w the compound interest & simple interest of a certain sum of money is Rs.72 at 12% p.a. per two year. Find the sum (in Rs.)

a) 6000 b) 5000 c) 5500 d) 6500

60. If S.I. on a sum at 6% for 7 years is equal to the simple interest on another sum of money for 9 years at 10%. Then the two sums are in the ratio.

a) 2:15 b) 7:15 c) 15:7 d) 2:7

61. The error made by a clerk in calculating simple interest for 5 months @ 6.5% and compound interest for 6 months @ 5.5% calculated half yearly is 25.40. Find the sum?

a) 69,960 b) 90,690 c) 60,690 d) 90,660

62. If $P(A \cup B) = P(A)$ then $P(A \cap B)$ is equal to:

a) $P(A) P(B)$

b) $P(A)+P(B)$

c) 0

d) $P(B)$

63. A team of 4 is to be selected from 6 boys and 5 girls, find the probability that it includes exactly 2 girls:

a) $2/5$ b) $1/2$ c) $5/11$ d) $2/4$

64. A bag contains 5 red, 4 blue and M green balls if the probability of getting both the balls green, when two balls are selected at random is $\frac{1}{7}$, find M
a) 5 b) 4 c) 9 d) 6
65. The probability that a girl student gets scholarship is 0.6 and that of a boy is 0.8, then probability that at least one gets the scholarship is:
a) 0.48 b) 0.92 c) 0.08 d) None
66. In a binomial distribution mean is K times the variance then what is the value of K
a) P b) $\frac{1}{P}$ c) $1-P$ d) $\frac{1}{1-P}$
67. A coin is tossed 5 times, Probability of getting head exactly 3 times is:
a) $\frac{5}{16}$ b) $\frac{1}{32}$ c) $\frac{3}{32}$ d) None
68. For a poisson variate the variance is 3 then the S.D is?
a) =3 b) $=\sqrt{3}$ c) 9 d) none
69. If the points of inflexion of a normal curve are 6 & 14 respectively. Then standard deviation is:
a) 4 b) 8 c) 16 d) 32
70. If $x \sim N(3,36)$ and $y \sim N(5,64)$ then $x + y \sim (8,A)$ the value of A is _____
a) 100 b) 10 c) 64 d) 36
71. The average of 5 quantities is 6 the average of 3 of them is 8 what is the average of the remaining quantity.
a) 4 b) 5 c) 3 d) 3.5
72. If all the observations are increased by 6 then
a) C.V would be increased
b) C.V would be decreased
c) C.V remains unchanged
d) None of the above
73. Given variance of X and Y is 25 & 36 respectively and cov of x & Y is 8.4 then find correlation coefficient?
a) 0.33 b) 0.28 c) 0.30 d) 0.36
74. Two judges were asked to rank 3 candidates for their proficiency in certain job. Their ranking were 2, 1, 3 & 3, 2, 1 respectively. The rank correlation coefficient is equal to
a) -0.5 b) -0.8 c) 0.5 d) 0.8
75. For a average data the 2 lines of regression are given by $8x-10y+66=0$ & $40x-18y=214$ then the means of x & y are respectively
a) 17 & 13 b) 13 & 17
c) 13 & -17 d) -13 & 17
76. Fisher's ideal index is _____
a) Median of Laspers & Paasche index numbers
b) Arithmetic Mean of Laspers & Paasche index numbers
c) Geometric Mean of Laspers & Paasche index numbers
d) Harmonic Mean of Laspers & Paasche index numbers
77. The index number of prices at a place in the year 2008 is 225 with 2004 as base year then:
a) There has been on an average 125% increase in price
b) There has been on an average 225% increase in price
c) There has been on an average 1000% increase in price
d) There has been on an average 150% increase in price
78. The point of intersection of two kinds of ogives provides
a) 1st Quartile b) 2nd Quartile
c) 3rd Quartile d) Mode
79. Write the dimensions of Pie diagram – Bar diagram – Cube diagram
a) 1, 2, 3 b) 3, 2, 1
c) 3, 1, 2 d) 2, 1, 3
80. In chronological order of data are classified on basis of:
a) Attributes b) Class
c) Time d) Location
81. Consider the frequency distribution with classes having unequal width then the frequency density of a class is:
a) $\frac{\text{Class frequency}}{\text{Class Length}}$ b) $\frac{\text{Class frequency}}{\text{Total frequency}}$
c) $\frac{\text{Class frequency}}{\text{Total frequency}} \times 100$ d) None
82. The SD of sampling distribution is called
a) Standard error b) Mean
c) Variance d) Mode

THE END

Key
Part – A – GENERAL ECONOMICS

1.	D	2.	A	3.	B	4.	D	5.	C
6.	B	7.	B	8.	D	9.	A	10.	B
11.	B	12.	A	13.	A	14.	A	15.	A
16.	B	17.	C	18.	B	19.	A	20.	A
21.	B	22.	B	23.	C	24.	D	25.	B
26.	A	27.	C	28.	B	29.	C	30.	D
31.	A	32.	A	33.	B	34.	D	35.	B
36.	A	37.	B	38.	A	39.	B	40.	C
41.	C	42.	D						

Part - B - QUANTITATIVE APTITUDE

43.	A	44.	A	45.	A	46.	B	47.	B
48.	B	49.	D	50.	D	51.	D	52.	B
53.	B	54.	B	55.	A	56.	D	57.	C
58.	A	59.	B	60.	C	61.	C	62.	D
63.	C	64.	D	65.	B	66.	D	67.	A
68.	B	69.	A	70.	A	71.	C	72.	B
73.	B	74.	A	75.	B	76.	C	77.	A
78.	B	79.	D	80.	C	81.	A	82.	A

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All India 1st Rank

A. Sushma Sirisha
H.T. No.: 564780

& 125th Rank

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