

Question Booklet No.

Question Booklet Series :

A

AUAT — 2024
2-Year M. A./M. Sc. in Economics (P10)
(TEST BASED ON MCQ)

Full Marks : 100

Duration : 2 Hours

Roll No. of the Candidate : _____

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Candidates should read the below instructions carefully and follow them accordingly.

1. The Question Booklet has paper seal pasted on it. Please do **NOT** open the Question Booklet until you are asked to do so by the Invigilator.
2. The candidates must check immediately after breaking the seal that the Question Booklet contains **100 Multiple Choice Questions** in two parts (Part—I and Part—II).
3. Answer of questions of Part—I and Part—II both will have to be given on the **OMR Answer Sheet** provided for this purpose. Fill up the necessary fields that are intended for you by writing and/or shading appropriately. Otherwise the **OMR Answer Sheet cannot** be evaluated and will liable to be rejected. Question numbers progress from **1** to **100** continuously with alternative answers being shown as [A], [B], [C] and [D] for each question. Record your response by completely darkening the corresponding bubble. While responding, you should consider the best alternative answer and shade only one bubble with **black/blue ball point pen only**. For each correct response you will be awarded **1** mark. There will be negative marking for wrong responses. For each wrong response, **-0.25** mark will be awarded. Multiple responses against one **MCQ** will be treated as a wrong response.
4. On leaving the examination hall, candidates must submit the **OMR Answer Sheet**. They are allowed to keep the Question Booklet with them.
5. **OMR Answer Sheet** will be processed by electronic means. Any untoward/irrelevant remarks, folding or putting stray notes on the answer sheet, any damage to the answer sheet will lead to the rejection of the same and the sole liability shall remain with the candidate.
6. Rough Work may be done at the end of the Question Booklet.
7. No candidate will be allowed to leave the examination hall before completion of the examination.
8. Use of any Electronic device like Mobile, Programmable Calculator etc. is strictly prohibited.

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PART—I
(Core Subject)

1. Giffen paradox occurs when income effect is
 - [A] greater than the substitute effect
 - [B] equal to the substitution effect
 - [C] less than the substitution effect
 - [D] negative and is greater than the substitution effect
2. What is the value of Gini coefficient for an income distribution characterized by complete equality incomes?
 - [A] Zero
 - [B] 0.5
 - [C] 1
 - [D] ∞
3. In the second stage of the law of variable proportion
 - [A] the marginal product diminishes and average product increases
 - [B] the average product diminishes but marginal product increases
 - [C] both marginal product and average product diminish
 - [D] both marginal product and average product increase
4. Advertisement is common in which of the following markets?
 - [A] Oligopoly
 - [B] Perfect competition
 - [C] Monopolistic competition
 - [D] Monopoly
5. Arrange all the four concepts of money supply M_1 , M_2 , M_3 and M_4 in the ascending order in terms of their liquidity.
 - [A] M_3 , M_2 , M_1 and M_4
 - [B] M_1 , M_2 , M_3 and M_4
 - [C] M_4 , M_2 , M_3 and M_1
 - [D] M_4 , M_3 , M_2 and M_1
6. If economy is operating at potential GDP, an increase in money supply will lead to
 - [A] stagflation
 - [B] structural inflation
 - [C] demand-pull inflation
 - [D] cost-push inflation
7. According to Heckscher-Ohlin theorem, a nation will export a commodity which is
 - [A] intensive in its relatively abundant factor
 - [B] intensive in its relatively cheap factor
 - [C] All of the above
 - [D] None of the above
8. Monetary policy is most effective when investment spending is
 - [A] interest elastic and demand for money is also interest elastic
 - [B] interest inelastic and demand for money is also interest inelastic
 - [C] interest inelastic and demand for money is interest elastic
 - [D] interest elastic and demand for money is also interest inelastic

9. When nominal GDP is ₹11,000 crores and real GDP is ₹10,000 crores, GDP deflator is
- [A] 9.09
- [B] 90.91
- [C] 1.11
- [D] 110
10. If a linear consumption function passes through the origin, it means
- [A] $APC > MPC$
- [B] $APC < MPC$
- [C] $APC = MPC$
- [D] $APC = MPC = 0$
11. Philips curve sets up a relation between
- [A] taxes and inflation
- [B] inflation and unemployment
- [C] money supply and aggregate demand
- [D] price and cost of production
12. Which of the following is **not correct** about the consequences of an increase in the investment?
- [A] IS curve will shift upward to the right
- [B] Interest rate will increase
- [C] The price level will rise
- [D] Real output will increase
13. The Marginal Efficiency of Capital (MEC) is defined as the rate of discount which equates
- [A] the cost of capital to the market rate of interest
- [B] the market rate of interest to the natural rate of interest
- [C] the supply price of the capital asset to the prospective yield of the capital asset
- [D] the market rate of interest to the prospective yield of the capital asset
14. In which case the elasticity shown by the different points of a curve is the same?
- [A] A straight line curve
- [B] A rectangular hyperbola curve
- [C] A downward sloping curve
- [D] None of the above
15. Under monopoly the supply curve is absent because
- [A] the monopolist always makes profit
- [B] there is no entry for others
- [C] equilibrium involves $MC = MR$ and $MR < P$
- [D] the monopolist controls the supply

16. Rosenstein-Rodan propounded which of the following invisibilities?

- [A] Lumpiness of capital
- [B] Complementary of demand
- [C] Kink in the supply of savings
- [D] All of the above

17. In Harrod model of growth, if warranted rate of growth is below natural rate of growth, then it is possible to maintain steady state growth with

- [A] continuously increasing unemployment
- [B] constant rate of unemployment
- [C] continuously decreasing unemployment
- [D] None of the above

18. Which of the following is **not** related to empowerment of women?

- [A] Gender development index
- [B] Gender empowerment measure
- [C] Gender budgeting
- [D] Gender discrimination

19. Technical progress is said to be Hicks capital intensive, if at constant capital labour ratio $MRTS_{L,K}$

- [A] remains constant
- [B] decreases
- [C] increases
- [D] None of the above

20. Adverse selection arises because of

- [A] lack of information
- [B] wrong information
- [C] asymmetric information
- [D] uncertainty about future

21. The order condition is

- [A] a necessary and sufficient condition for identification
- [B] a necessary but not sufficient condition for identification
- [C] a sufficient but not necessary condition for identification
- [D] a condition that is neither necessary nor sufficient for identification

22. What is the meaning of term heteroscedasticity?

- [A] The variance of the error is not constant
- [B] The variance of the dependent variable is not constant
- [C] The errors are not linearly independent of one another
- [D] The errors have non-zero mean

23. Stratified sampling is preferred where,

- [A] the population is perfectly homogeneous
- [B] the population is not homogeneous
- [C] random sampling is not possible
- [D] small samples are required

24. Suppose that observations are available on the monthly bond prices of 150 companies for 10 years. What type of data are these?

- [A] Cross-sectional
- [B] Time series
- [C] Panel
- [D] Qualitative

25. In a multiple regression with three independent variables, the regression coefficients are to be tested. Which test would be used?

- [A] Z-test
- [B] F-test
- [C] T-test
- [D] Chi-square test

26. Given the two regression lines estimated from given data as under

$$Y = 4 + 0.4X$$

$$X = -2 + 0.9Y$$

Then the correlation coefficient between X and Y will be

- [A] 0.4
- [B] 0.5
- [C] 0.6
- [D] 0.8

27. Mean of 20 values is 45. If one of these values is to be taken 64 instead of 46, find the **correct** mean.

- [A] 44.1
- [B] 43.21
- [C] 46.1
- [D] 40

28. Sajjad flies to a place X in a Boeing at a speed of 500 km/per hour and come back from X following the same route at a speed 160 km/per hour. What is the average speed of the journey?

- [A] 250 km per hour
- [B] 242.4 km per hour
- [C] 262.3 km per hour
- [D] 272.4 km per hour

29. Fisher's ideal index is

- [A] the median of Laspeyre's and Paasche's index
- [B] arithmetic mean of Laspeyre's and Paasche's index
- [C] geometric of Laspeyre's and Paasche's index
- [D] None of the above

30. Probability of rejecting null hypothesis when it is true is called

- [A] Type-II error
- [B] Type-I error
- [C] Standard error
- [D] None of the above

31. Ogive helps to locate

- [A] Mean
- [B] Standard deviation
- [C] Mode
- [D] Median

32. For a regression model
$$Y = \beta_0 + \beta_1 X_1 + \beta_2 X_2 + \dots + \beta_k X_k + u_i$$

The degrees of freedom of test statistics ' t ', with ' n ' observation is

[A] $n - k$
[B] $n - k - 1$
[C] $n - k + 1$
[D] $n + k + 1$

33. If the $\frac{MU_x}{MU_y}$ for individual A is greater than the $\frac{MU_x}{MU_y}$ for individual B , it is possible for individual A to gain by giving up

[A] Y in exchange for more X from B
[B] Y in exchange for more X from A itself
[C] Y in exchange for less X from B
[D] X in exchange for less Y from A

34. The Physical Quality of Life Index (PQLI) is based on

[A] percentage of literacy, infant mortality and life expectancy
[B] adequate supply of food, water, shelter and health services
[C] provision of sanitation and education for all
[D] All of the above

35. Who among the following economists is **not** associated with the Dependency theory?

[A] S. Amin
[B] P. Baron
[C] Raul Prebisch
[D] A. G. Frank

36. Demographic transition refers to

[A] migration of population from rural to urban areas
[B] change in the male/female ratio of the population
[C] shifts from high birth and high death rates to low birth and low death rates
[D] All of the above

37. Which one of the following statements **correctly** defines the term Natural Rate of Growth?

[A] It is the minimum rate at which output can be advanced with full employment of labour
[B] It is the natural rate at which output can be advanced with full employment of labour
[C] It is the maximum rate at which output can be advanced with full employment of labour
[D] It is the actual rate at which output can be advanced with full employment of labour

38. The balanced growth theory sees the primary cause of underdevelopment is the

- [A] small size of the market
- [B] foreign domination
- [C] low level technology
- [D] lack of savings

39. The optimum tariff is the tariff which

- [A] maximizes country's foreign trade
- [B] minimizes import
- [C] maximizes country's welfare
- [D] maximizes its earning from tariff

40. A country's offer curve will be straight line when its price elasticity of supply for exports is

- [A] infinitely large
- [B] unity
- [C] zero
- [D] negative

41. Inclusive growth was given for the first time in which plan of India?

- [A] 9th Five-Year Plan
- [B] 10th Five-Year Plan
- [C] 11th Five-Year Plan
- [D] 12th Five-Year Plan

42. Which sector in India has developed breaking the Colin Clark sequence of development?

- [A] Export sector
- [B] Primary sector
- [C] Secondary sector
- [D] Service sector

43. The reference period for the Neonatal Mortality Rate in India is

- [A] 3 months after birth
- [B] 1 month after birth
- [C] 28 days after birth
- [D] None of the above

44. Which country introduced the paper currency system first in the world?

- [A] England
- [B] USA
- [C] India
- [D] Sweden

45. The term 'best' in the Best Linear Unbiased Estimator implies the

- [A] maximum variance of the estimators
- [B] minimum variance of the estimators
- [C] average variance of the estimators
- [D] unbiased variance of the estimators

46. Under a freely exchange rate system, a deficit in a nation's balance of payments accounts is automatically corrected by
- [A] a depreciation of its currency
 - [B] an appreciation of its currency
 - [C] domestic inflation
 - [D] deflation and rise in national income
47. The Stopler-Samuelson theorem postulates that the imposition of a tariff by a nation causes the real income of the nation's
- [A] abundant factor to rise
 - [B] scarce factor to rise
 - [C] scarce factor to fall
 - [D] Both [A] and [B]
48. Who formulated the People's Plan for India in 1944?
- [A] J. L. Nehru
 - [B] M. N. Roy
 - [C] Mahatma Gandhi
 - [D] Mahalanobis
49. Which of the combination of two deficits is most significant for the Indian economy?
- [A] Fiscal deficit and revenue deficit
 - [B] Revenue deficit and primary deficit
 - [C] Budget deficit and fiscal deficit
 - [D] Current account deficit and fiscal deficit

50. A tax is said to be progressive when the marginal rate of tax is
- [A] greater than the average rate
 - [B] less than the average rate
 - [C] equal to average rate
 - [D] equal to marginal sacrifice
51. Which pair is **not correct**?
- [A] First Plan (1951–1956)
 - [B] Third Plan (1966–1971)
 - [C] Sixth Plan (1980–1985)
 - [D] Tenth Plan (2002–2007)
52. Which committee was reconstituted for reforms in tax structure?
- [A] Narasimham Committee
 - [B] Chelliah Committee
 - [C] Gadgil Committee
 - [D] Kelkar Committee
53. Quasi rent is a
- [A] short-period phenomenon
 - [B] long-period phenomenon
 - [C] time phenomenon
 - [D] None of the above
54. Which one of the following methods can be used as an instrument of qualitative control of credit by Central Bank?
- [A] Bank Rate Policy
 - [B] Open Market Operations
 - [C] Changes in Margin Requirements
 - [D] Variation in Reserve Ratio

- 55.** Optimum theory of population talks about the relationship between
- [A] population and food supply
 - [B] population and overall resources
 - [C] dependent population and working population
 - [D] present population and growth rate of population

- 56.** Green agriculture involves
- [A] organic farming and emphasis on horticulture
 - [B] avoiding pesticides, chemical fertilizer while focusing on horticulture and floriculture
 - [C] integrated pest management, integrated nutrient supply and integrated natural resource management
 - [D] emphasis on food crops, horticulture and floriculture

- 57.** Multidimensional Poverty Index (MPI) is a new index included in
- [A] World Human Report
 - [B] Human Development Report
 - [C] World Development Report
 - [D] All of the above

- 58.** The biggest holder of Government of India dated securities is the
- [A] Reserve Bank of India
 - [B] Employees Provident Fund
 - [C] Commercial Bank
 - [D] None of the above

- 59.** High-powered money is the
- [A] bank's reserves at the Central bank
 - [B] money held by the banks
 - [C] loans and advances of banks
 - [D] currency held by public and cash reserves of the banks

- 60.** The distribution of burden of paying tax is called
- [A] sharing of tax burden
 - [B] shifting of the tax
 - [C] incidence of a tax
 - [D] tax capitalization

- 61.** The Nationalization of the major commercial banks took place in
- [A] 1947
 - [B] 1956
 - [C] 1969
 - [D] 1980

- 62.** According to Mrs. Robinson at the stage of 'Golden Age'
- [A] Capital growth rate > labour growth rate
 - [B] Capital growth rate = labour growth rate
 - [C] Capital growth rate < labour growth rate
 - [D] Capital growth rate > 1

- 63.** A bag contains 3 red balls and 4 black balls. A ball is drawn at random from the bag. Find the probability that the ball drawn is black.

- [A] $\frac{4}{7}$
 [B] $\frac{3}{7}$
 [C] $\frac{1}{7}$
 [D] $\frac{3}{4}$

- 64.** If $y = \tan^2 x$, find $\frac{dy}{dx}$

- [A] $2 \tan^2 x \sec x$
 [B] $2 \tan x \sec^2 x$
 [C] $2 \tan x \sec x$
 [D] $2 \tan x$

- 65.** $y = \sqrt{1-9x}$, find $\frac{dy}{dx}$

- [A] $\frac{-9}{2\sqrt{1-9x}}$
 [B] $\frac{-2}{\sqrt{1-9x}}$
 [C] $\frac{-2\sqrt{1-9x}}{9}$
 [D] $\frac{9}{-2\sqrt{1-9x}}$

- 66.** $\int a^x dx$

- [A] $x \ln a + c$
 [B] $\frac{x}{\ln(a)} + c$
 [C] $\frac{a^x}{\ln(a)} + c$
 [D] $a^x \ln(a) + c$

- 67.** If $\begin{vmatrix} 2x & 5 \\ 8 & x \end{vmatrix} = \begin{vmatrix} 6 & -2 \\ 7 & 3 \end{vmatrix}$, find the value of x

- [A] ± 4
 [B] ± 6
 [C] ± 8
 [D] ± 3

- 68.** If $A = \begin{bmatrix} p & 2 \\ 2 & p \end{bmatrix}$ and $|A^3| = 125$, find the value of 'p'

- [A] ± 5
 [B] ± 3
 [C] ± 2
 [D] ± 6

- 69.** A single card is drawn at random from a standard deck of 52 playing cards. What is the probability that the card is either a red card or an ace?

- [A] $\frac{1}{2}$
 [B] $\frac{2}{13}$
 [C] $\frac{7}{13}$
 [D] $\frac{1}{13}$

- 70.** A group consists of 4 girls and 7 boys. In how many ways can a team of 5 members be selected, if the team has no girls?

- [A] 21
 [B] 42
 [C] 12
 [D] 84

PART—II

(Islamic History and Culture, General English & General Knowledge)

71. Revelation to Prophet Muhammad (PBUH) started with the word 'Iqra' which means
নবী মুহাম্মদ (সা.)-এর কাছে অবতীর্ণ প্রত্যাদেশ শুরু হয়েছে 'ইকরা' শব্দ দিয়ে, যার অর্থ হল
[A] pray
[B] prostrate
[C] read
[D] write
72. Which of the following cities is **not** a sacred city for Muslims?
নিম্নের কোন্ শহরটি মুসলিমদের কাছে পুণ্যস্থান নয়?
[A] Jerusalem
[B] Mecca
[C] Cairo
[D] Medina
73. What does Islam say about acquiring knowledge?
জ্ঞান অর্জনের ব্যাপারে ইসলাম কী বলে?
[A] Obligatory for men only
[B] Obligatory for women only
[C] Obligatory for rich people only
[D] Obligatory for all
74. Which one is **not** part of the five pillars of Islam?
নিচের কোনটি ইসলামের পঞ্চস্তম্ভের মধ্যে অন্তর্ভুক্ত নয়?
[A] Profess Allah as the only God
[B] Pray five times daily
[C] Make a pilgrimage to Mecca
[D] Read the *Qur'an* everyday
75. The divine book revealed to Prophet Muhammad (PBUH) is
নবী মুহাম্মদ (সা.)-এর নিকট অবতীর্ণ ঐশী গ্রন্থের নাম হল
[A] Torah
[B] *Qur'an*
[C] *Injeel*
[D] *Zabur*
76. Prophet Muhammad (PBUH) was born in
নবী মুহাম্মদ (সা.)-এর জন্মস্থান হল
[A] Jordan
[B] Jeddah
[C] Mecca
[D] Medina
77. In Islam, legal matters are part of
ইসলামে আইন সংক্রান্ত বিষয়াদি কীসের অন্তর্ভুক্ত?
[A] Fikr
[B] Zikr
[C] Shariah
[D] Taharat
78. Hajj is performed in the month of
যে মাসে হজ পালিত হয়, তা হল
[A] Dhul Qadah
[B] Dhul Hijjah
[C] Shaban
[D] Shawwal
79. Rashidun Caliphate lasted for _____ years.
রাশিদুন খিলাফতের সময়কাল _____ বছর।
[A] 20
[B] 30
[C] 40
[D] 50
80. Who accompanied Prophet Muhammad (PBUH) during migration?
কোন ব্যক্তি হিজরতের সময় নবী মুহাম্মদ (সা.) কে সঙ্গ দিয়েছিলেন?
[A] Abu Hurayra
[B] Hazrat Ali
[C] Khadija
[D] Abu Bakr

81. What are the companions of the Prophet called?

নবীর সাহাবীদের কী বলা হয়?

- [A] Sahabah
- [B] Friends
- [C] Ansar
- [D] None of the above

82. What to say when anyone sneeze?

কেউ হাঁচি দিলে কী বলতে হয়?

- [A] Yarhamukallah
- [B] Ya Allah
- [C] Alhamdulillah
- [D] La Ilaha Illallah

83. What does Salat mean?

সালাত মানে কী?

- [A] Fasting
- [B] Giving to the poor
- [C] Praying
- [D] Pilgrimage

84. What is the meaning of 'Astaghfirullah'?

'আস্তাগফিরুল্লাহ'-এর অর্থ কী?

- [A] I ask Allah for Forgiveness
- [B] We are for Allah
- [C] Accept our prayer
- [D] None of the above

85. What is the first duty to become a Muslim?

মুসলমান হওয়ার প্রথম কর্তব্য কী?

- [A] Salat
- [B] Sawm
- [C] Hajj
- [D] Shahadah

86. Which gates are closed during the month of Ramadan?

রমজান মাসে কোন্ দরজাগুলো বন্ধ থাকে?

- [A] Gates of Hell
- [B] Gates of Heaven
- [C] Gates of Light
- [D] Gates of Mosque

87. What is the Shari'ah?

শরীয়ত কী?

- [A] A religious school
- [B] A native dance
- [C] A style of calligraphy
- [D] A form of Muslim law

88. The Kabah is located in

কাবাঘর _____ তে অবস্থিত।

- [A] Mecca
- [B] Medina
- [C] Istanbul
- [D] Iraq

89. Are women allowed to go to mosques to offer prayers?

মহিলাদের কি মসজিদে নামাজ পড়ার অনুমতি দেওয়া হয়?

- [A] No, women are not allowed in the mosques
- [B] Women can only listen to prayers
- [C] Yes, women can offer prayers in mosques, provided there are separate facilities and provision
- [D] Women can pray in the mosques, standing right beside the men

90. In which language, was the *Holy Qur'an* revealed?

'পবিত্র কুরআন' কোন্ ভাষায় অবতীর্ণ হয়েছিল?

- [A] Arabic
- [B] Greek
- [C] Latin
- [D] Hebrew

91. Fill in the blanks with the appropriate words.

The _____ workers will come forward and protest against the _____ of the organization.

- [A] deprived, issues
- [B] depraved, policies
- [C] derived, interests
- [D] depreciated, management

92. Find the word opposite in meaning to the underlined word.

Rahim's foolishness will drive me to despair.

- [A] Hopefulness
- [B] Desperation
- [C] Destruction
- [D] Repulsed

93. Fill in the blanks with the **correct** alternatives.

The farmer placed his shovel _____ the wall and sat _____ to rest.

- [A] beside, over
- [B] against, down
- [C] by, along
- [D] on, in

94. Identify the synonym of the word 'ABJECT'.

- [A] Outrageous
- [B] Fantastic
- [C] Devastated
- [D] Deplorable

95. Fill in the blank with the appropriate collective noun.

A _____ of cards.

- [A] pile
- [B] bundle
- [C] deck
- [D] bunch

96. In which of the following States, Rawatbhata Nuclear Plant is situated?

রাওয়াতভাটা পারমাণবিক কেন্দ্র নিম্নলিখিত কোন্ রাজ্যে অবস্থিত?

- [A] Rajasthan
- [B] Gujarat
- [C] Madhya Pradesh
- [D] Tamil Nadu

97. Who invented the railway engine?

রেলওয়ে ইঞ্জিন কে আবিষ্কার করেন?

- [A] Charles Babbage
- [B] Isaac Newton
- [C] James Watt
- [D] George Stephenson

98. Who is said to be the father of the Indian Space Programme?

ভারতীয় মহাকাশ কর্মসূচির জনক কাকে বলা হয়?

- [A] Abdul Kalam
- [B] Rakesh Sharma
- [C] Vikram Sarabhai
- [D] Homi Bhabha

99. Which of the following was Indian's first mapping satellite?

নিচের কোনটি ভারতের প্রথম ম্যাপিং স্যাটেলাইট ছিল?

- [A] CARTOSAT-1
- [B] Aryabhata
- [C] Bhaskara-II
- [D] INSAT-1A

100. The super computer 'PARAM' was developed by

সুপার কম্পিউটার 'PARAM' তৈরি করেন

- [A] TATA
- [B] IIT-Kharagpur
- [C] IIT-Kanpur
- [D] C-DAC

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