



# YASIR ALI CLASSES

## PRACTICE PAPERS

### 11th ENTRANCE

Commerce / Humanities

Previous Years  
**Question  
Papers**



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Q1. If the HCF of 68 and 119 is expressible in the form  $68m - 119$ , then the value of  $m$  is?

- (a) 5 (b) 1  
(c) 2 (d) 3

Q2. If  $p = \frac{\sqrt{7} + \sqrt{5}}{\sqrt{7} - \sqrt{5}}$  and  $q = \frac{\sqrt{7} - \sqrt{5}}{\sqrt{7} + \sqrt{5}}$ , then the value of  $p + q + pq$  is

- (a)  $\sqrt{35} + 1$  (b)  $-\sqrt{35} + 1$   
(c) 13 (d) 14

Q3. If the equation  $x^2 - bx + 1 = 0$  does not possess real roots, then

- (a)  $-3 < b < 3$  (b)  $-2 < b < 2$   
(c)  $b < 2$  (d)  $b < -2$

Q4. If the polynomials  $(px^3 + 4x^2 + 3 - 4)$  and  $(x^3 - 4x + p)$  leave the same remainder when divided by  $(x - 3)$ , then the value of  $p$  is

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

Q5. If  $2x + 3y - 7$  and  $(a - b)x + (a + b)y = 3a + b - 2$  represent coincident lines, then  $a$  and  $b$  satisfy the equation

- (a)  $a - 3b - 2a = 0$  (b)  $2a - 3b - 3 = 0$   
(c)  $a - 2b - 3 = 0$  (d)  $a - 3b + 2 = 0$

Q6. The value of  $c$  for which the pair of equations  $cx - y = 2$  and  $6x - 2y = 3$  will have infinity many solutions is

- (a) 3 (b) -3  
(c) -12 (d) No value

Q7. If the sum of the first  $p$  terms of an A.P is the sum of its  $q$  terms (where  $p \neq q$ ) then the sum of first  $(p + q)$  terms will be

- (a) 1 (b)  $\infty$   
(c) 0 (d) 2

Q8. From a point on a bridge across a river, the angles of depression of the banks on opposite sides of the river are  $30^\circ$  and  $45^\circ$ , respectively. If the bridge is at a height of 3 m from the banks, the width of the river is

- (a)  $3(1 + \sqrt{3})$  m (b)  $3(\sqrt{3} - 1)$  m  
(c)  $(3 + \sqrt{3})$  m (d)  $(3 - \sqrt{3})$  m

Q9. If  $\sin \theta = 1$  then the value of  $\cos^2 \theta + \cos^4 \theta$  will be

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

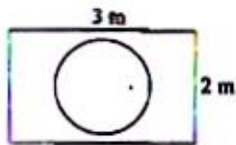
Q10. If  $a$  is the length of one of the sides of an equilateral  $\triangle ABC$ , base  $BC$  lies on  $x$ -axis and vertex  $B$  is at the origin, find the coordinates of the vertex  $A$  of  $\triangle AEC$ .

- (a)  $(a, 0)$  (b)  $\left[ 2a \frac{\sqrt{3}a}{2} \right]$   
(c)  $(0, a)$  (d)  $\left[ \frac{a}{2} \frac{\sqrt{3}a}{2} \right]$

Q11. The line segment joining  $A(6, 5)$  and  $D(6, 2)$  divides the side  $BC$  of  $\triangle ABC$  in two equal parts internally. The coordinate of centroid of  $\triangle ABC$  is ( $D$  lies on  $BC$ )

- (a)  $(3, 6)$  (b)  $(6, 3.5)$   
(c)  $(6, 3)$  (d)  $(6, -1)$

Q12. Suppose you drop a die at random on the rectangular region shown in figure. The probability, what it will land inside the circle with diameter 1 m, is



- (a)  $\frac{1}{6}$  (b)  $\frac{1}{12}$

(c)  $\frac{\pi}{6}$

(d)  $\frac{\pi}{24}$

Q13. The following observations have been arranged in ascending order. If the median of the data is 63, find the value of x 23, 32, 48, 50, x, x +2, 72, 78, 84

(a) 64

(b) 62

(c) 63

(d) 65

Q14. In the game of darts a player has to hit a circular disc. The player wins if she/he hits the shaded region as shown in the figure where PQRS is a diameter of the disc of radius r unit. The lengths PQ, QR and RS are equal. Semi-circles are drawn on PQ and QS as diameters. What is the probability that the player wins the game?



(a)  $\frac{2}{3}$

(b)  $\frac{1}{3}$

(c)  $\frac{2}{5}$

(d)  $\frac{1}{4}$

Q15. A number is chosen at random from among the first 30 natural numbers. The probability of the number chosen is not a prime number is

(a)  $\frac{1}{3}$

(b)  $\frac{2}{3}$

(c)  $\frac{3}{10}$

(d)  $\frac{11}{30}$

Q16. If twenty seven sold iron spheres, each of radius r and surface S are melted to form a sphere with surface area S, then the ratio of S and S is

(a) 1: 3

(b) 1:9

(c) 1: 27

(d) 9: 1

Q17. The capacity of a closed cylindrical vessel of height 1 m is 15.4 liters. 1 m is 15.4 liters. How many square meters of metal sheet would be needed to make it?

(a)  $2\pi(5 + \sqrt{5})\text{m}^2$

(b)  $443.08\text{m}^2$

(c)  $0.4708\text{m}^2$

(d)  $0.4908\text{m}^2$

Q18. In triangles ABC and DEF,  $\angle A = \angle E = 40^\circ$ ,  $AB : ED = AC : EF$  and  $\angle f = 65^\circ$  then the value of  $\angle B$  will be

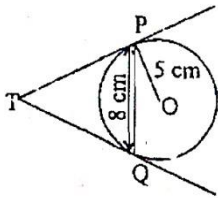
(a)  $65^\circ$

(b)  $35^\circ$

(c)  $75^\circ$

(d)  $85^\circ$

Q19. PQ is a chord of length 8 cm of a circle of radius 5 cm. The tangents at P and Q intersect at a point T. Find the length TP.



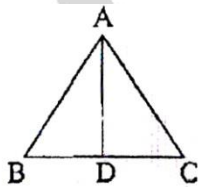
(a) 7 cm

(b)  $\frac{20}{3}$  cm

(c)  $\frac{25}{4}$  cm

(d)  $\frac{27}{4}$  cm

Q20. In a  $\triangle ABC$ , AD is the bisector of  $\angle BAC$  if  $AB = 8$  CM,  $BD = 6$  cm and  $DC = 3$ cm, find AC



(a) 4 cm

(b) 6 cm

(c) 3 cm

(d) 8 cm

Q21. The project to improve infrastructure of 500 cities with population of more than one lakh is known as

(a) AMRUT Mission

(b) SAMANWAY

(c) ISA

(d) PMSBY

Q22. Buland Darwaza was constructed by Akbar at Fatehpur Sikri after victory over

(a) Jalore

(b) Gujarat

(c) Malwa

(d) Ahmad Nagar

Q23. Which of the following bones is not a part of leg bones?

(a) Humerus

(b) Femur

(c) Tibia

(d) Fibula

Q24. Which among the following is not a Rabi crop?

(a) Mustard

(b) Linseed

(c) Wheat

(d) Soya bean

Q25. The buoyancy depends upon

(a) The mass of the body

(b) The shape of the body

(c) The mass of the liquid displaced

(d) The depth to which the body is immersed

Q26. Natural gas mainly consists of

(a) Butane

(b) Propane

(c) Methane

(d) Ethane

Q27. Who is the author of 'A Passage to India'?

(a) Nirad C. Chowdhary

(b) Khushwant Singh

(c) Rudyard Kipling

(d) E.M. Forster

Q28. Which of the following languages is not an official language at the United Nations?

(a) Arabic

(b) Chinese

(c) French

(d) Portuguese

Q29. Who among the following developed the polio vaccine?

(a) John Perkins

(b) Madam Curie

(c) Jonas Salk

(d) J.L. Baird

Q30. Who was popularly known as 'Gurudev'?

- (a) Nanak (b) Kabir  
(c) Tagore (d) Sardar Patel

Q31. Whose title is 'Mujaddid Alf Thani'?

- (a) Shaykh Ahmad Sirhindi (b) Muhaddith Dehlavi  
(c) Rafiuddin (d) Abdul Qadir

Q32. Which Jewish tribe did not live in Madina at the time of Hijrah?

- (a) Banu Qainuqa (b) Bani Quraiza  
(c) Bani Nazir (d) Bani Tha'labah

Q33. The commander of the Quraysh army at the Battle of Uhud was

- (a) Abu Sufiyan (b) Abu Jahal  
(c) Uba'i ibn Khalaf (d) Khalid Ibn Walid

Q34. The author of 'Hayat-i-Jawed' is

- (a) Sir Syed Ahmad Khan (b) Maulana Abul Kalam Azad  
(c) Altaf Husain Hali (d) Shibli Numani

Q35. The city named as Shahjahanabad by the Mughals is

- (a) Agra (b) Delhi  
(c) Mysore (d) Ajmer

Q36. Sher Shah Suri re-established the Delhi Sultanate in the year

- (a) 1331 (b) 1426  
(c) 1526 (d) 1540

Q37. Babar defeated Ibrahim Lodhi in the Battle of Panipat in the year

- (a) 1520 (b) 1522  
(c) 1524 (d) 1526

Q38. 'Anwar-i-Suhaili' is a Persian translation of

(a) Rigveda (b) Panchtantra

(c) Arthshastra (d) Ramayan

Q39. Hazrat Umar embraced Islam at the age of

(a) 25 years (b) 26 years

(c) 27 years (d) 28 years

Q40. Malik Kafur was a famous commander of

(a) Ibrahim Lodhi (b) Mohamud Ghori

(c) Razia Sultana (d) Alauddin Khilji

Q41. The 'dictatorship of the proletariat' in Marxism means

(a) Dictatorship of elites

(b) Control of political power into the hands of working class

(c) Domination of politicians

(d) Hegemony of bureaucrats

Q42. The Rajya Sabha cannot reject a money bill; it can only delay it by

(a) 21 days (b) 18 days

(c) 16 days (d) 14 days

Q43. "Coming together federation" involves

(a) The central government to become more powerful

(b) Independent states coming together on their own to form bigger unit

(c) Constituent units have unequal powers

(d) Constituent states have no powers

Q44. What is the number of Lok Sabha constituencies in Uttar Pradesh?

(a) 75 (b) 80

(c) 85 (d) 90



Q45. From which category of the population in India, two members are nominated by President to Lok Sabha?

- (a) Schedule Tribe
- (b) Anglo-Indian
- (c) Munda Tribe
- (d) Schedule Caste

46. "Democracy is the road Socialism". to This statement is attributed to

- (a) Lenin
- (b) Nehru
- (c) Marx
- (d) Gandhi

Q47. The list of all eligible voters is officially called

- (a) Union list
- (b) Electoral roll
- (c) State list
- (d) Concurrent list

Q48. The power of Supreme Court to determine the constitutional validity of any legislation or action of executive is called

- (a) No confidence motion
- (b) Impeachment motion
- (c) Judicial review
- (d) Adjournment motion

Q49. What was the slogan given by the Janta Party in the Lok Sabha Election 1977?

- (a) Save People
- (b) Save Environment
- (c) Save Parliament
- (d) Save Democracy

Q50. Who was the Vice-President of the Constituent Assembly of India?

- (a) Dr. Rajendra Parsad
- (b) H.C. Mookherjee
- (c) Dr. B.R. Ambedkar
- (d) Pt. J.L. Nehru

Q51. FEDECOR is a /an

- (a) Bolivian organisation
- (b) Indian organisation
- (c) American organisation
- (d) Japanese organization

Q52. What was the aim of Nepalese popular movement of April 2006?

- (a) Restoring Monarchy
- (b) Restoring Democracy
- (c) Establish Dictatorship
- (d) Overthrow Democracy

Q53. Which of the following is not a constitutional body?

- (a) Election Commission of India (b) Finance Commission  
(c) National Human Rights Commission (NHRC) (d) Governor of a State

Q54. The head of the State is an elected person and not a hereditary position. It denotes

- (a) Democratic (b) Republic  
(c) Secular (d) Sovereign

Q55. Which of the following is the primary purpose of a pressure group?

- (a) To criticize the government  
(b) To contest the elections  
(c) To formulate policy  
(d) To bring pressure on govt, to influence policy decisions

Q56. In which year Consumer Protection Act (COPRA) was enacted by the Government of India?

- (a) 1985 (b) 1986  
(c) 1987 (d) 1988

Q57. Double coincidence of wants is a feature of

- (a) Money exchange (c) Barter system of exchange  
(b) Production (d) Social tension

Q58. Infant mortality rate refers to the death of a child under the age of

- (a) Four years (b) Three years  
(c) Two years (d) One year

Q59. Which of the following is correct? The consequences of environmental degradation are

- (a) Limited to national boundary  
(b) Limited to international boundary  
(c) Limited to regional boundary

(d) Not limited to national, international or State boundaries

Q60. Social scientists now look poverty on the basis of

- (a) Illiteracy level (b) Sanitation  
(c) Lack of access of health care (d) All of these

Q61. Palampur village has fairly well developed system of

- (a) Transport (b) Roads  
(c) Electricity (d) All of these

Q62. Which one of the following is not an example of final goods?

- (a) Clothes (b) Air conditioners  
(c) Biscuits (d) Raw materials

Q63. Multiple cropping refers to

- (a) Growing one crop (b) Growing only potato  
(c) Growing in rainy season (d) Growing more than one crop

Q64. SEZs are established to attract

- (a) Foreign goods (b) Foreign currency  
(c) Foreigners (d) Foreign investment

Q65. When more workers are employed than required for a particular job, it is called

- (a) Frictional unemployment (b) Seasonal unemployment  
(c) Disguised unemployment (d) Underemployment

Q66. The situation where due to low income poor people are unable to buy food even for their survival, is known as

- (a) Seasonal hunger (b) Chronic hunger  
(c) Starvation (d) Malnutrition

Q67. The service sector in India does not include

- (a) Education (b) Communication

(c) Transportation

(d) Agricultural production

Q68. Human Development Index (HDI) is measured by all, except

(a) Per capita income

(b) Life expectancy at the age of one year

(c) Adult literacy rate

(d) Gross enrolment ratio

Q69. Who is the founder of Grameen Bank of Bangladesh?

(a) Muhammad Yunus

(b) Amartya Sen

(c) Babul Saha

(d) Mahbub-ul-Haq

Q70. In India the Targeted Public Distribution System (TPDS) was introduced in

(a) January 1997

(b) June 1997

(c) January 2000

(d) June 2000

Q71. Dennis Lillee, an Australian cricketer, tried to play innings with

(a) Silver bat

(b) Copper bat

(c) Iron bat

(d) Aluminum bat

Q72. Who propagated the idea - 'Italy had to be forged into a single unified republic within a wider alliance of nations'

(a) Guiseppe Garibaldi

(b) Napoleon Bonaparte

(c) Count Cavour

(d) Guiseppe Mazzini

Q73. Which country is known as the 'Bread Basket' of the world?

(a) America

(b) China

(c) Japan

(d) India

Q74. The fast spreading disease of cattle in Africa which had a terrifying impact on people's livelihood and economy was

(a) Smallpox

(b) Influenza

(c) Malaria

(d) Rinderpest

Q75. Which was the most powerful weapon used by the Spanish conquerors to colonise America?

- (a) Chemical weapon (b) Traditional arms  
(c) Smallpox germs (d) all of the above

Q76. J.N. Tata set up the first iron and steel factory in India in

- (a) 1909 (b) 1911  
(c) 1912 (d) 1915

Q77. The Civil Code of 1804 is popularly known as

- (a) Czar code (b) Dutch code  
(c) Vienna code (d) Napoleonic code

Q78. 'Vernacular Press Act' was passed in the year

- (a) 1788 (b) 1878  
(c) 1897 (d) 1898

Q79. The East India Company appointed a paid servant to supervise the weavers was called

- (a) Fuller (b) Stapler  
(c) Weaver (d) Gomastha

Q80. Who among the following was responsible for the unification of Germany?

- (a) Cavour (b) Bismarck  
(c) Mazzini (d) Garibaldi

Q81. Reichstag was the Parliament of

- (a) Russia (b) Germany  
(c) France (d) Britain

Q82. In 1791 the 'Declaration of the Rights of Woman and Citizen' was written by

- (a) Olympe de Gouges (b) John Locke  
(c) Georges Danton (d) Arthur Young

Q83. The local name of shifting cultivation in America is

- (a) Dhya (b) Kumari

(c) Tavy

(d) milpa

Q84. When did French women get the political rights?

(a) 1944

(b) 1945

(c) 1946

(d) 1947

Q85. Before French Revolution, Tithe was a

(a) Tax levied by the church

(b) Tax collected by State

(c) Tax collected by first estate

(d) Tax collected by secret society

Q86. India is the largest producer as well as consumer of ..... in the world.

(a) Rice

(b) Wheat

(c) Millets

(c) Pulses

Q87. Khetri mines in Rajasthan are famous for

(a) Bauxite

(b) Copper

(c) Iron-ore

(d) Coal

Q88. National Highway No. 1 is between

(a) Delhi - Kolkata

(b) Delhi - Mumbai

(c) Delhi - Amritsar

(d) Agra Mumbai

Q89. A plantation crop introduced for cultivation on Baba Budan Hills in the State of Karnataka is one of the following

(a) Coffee

(b) Cotton

(c) Rubber

(d) Tea

Q90. The second highest peak of the Himalayas is

(a) Dhaulagiri

(b) Kanchenjunga

(c) Nanga Parbat

(d) Namch Barwa

Q91. The average height of Great Himalayas is

(a) 4500 meters

(b) 5000 meters

(c) 6000 meters

(d) 6500 meters

Q92. Washing away of the top layer of soil is known as one of the following

(a) Gully erosion

(b) Leaching

(c) Ravine formation

(d) Sheet erosion

Q93. The Hugli Basin in West Bengal is characterised with one of the following

(a) Coir industry

(b) Jute industry

(c) Paper industry

(d) Polymer industry

Q94. The longest waterways in India is between

(a). Allahabad - Haldia

(b) Sadiya – Dhubri

(c) Kottapuram - Kollam

(d) Kakinada - Puducherry

Q95. Who offered 80 acres of land during Bhoodan movement?

(a) Shri Ramaswamy Reddy

(b) Shri Janardan Reddy

(c) Shri Ramachandra Reddy

(d) Shri Ramgovind Reddy

Q96. An inland riverine port of India is

(a) Kolkata

(b) Chennai

(c) Vishakhapatnam

(d) Mumbai

Q97. The first State in India which made roof top rain water harvesting structure compulsory to all house across the State is

(a) Kerala

(b) Tamil Nadu

(c) Gujarat

(d) Rajasthan

Q98. In which of the following State is the Simlipal Bio-Reserve located?

(a) Odisha

(b) Punjab

(c) Maharashtra

(d) Delhi

Q99. The 'slash and burn' agriculture (Jhumming) in Indonesia is known as

(a) Ladang

(b) Ray

(c) Roca

(d) Milpa

Q100. Black soil is also known as

(a) Khadar

(b) Regur

(c) Bangar

(d) Bhabar







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