# YASIR ALI CLASSES 

## PRACTICE PAPERS

## 11th ENTRANCE

## Commerce / Humanities

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1. Six tigers can catch six deers in six minutes. How many tigers will catch 60 deers in 60 minutes?
(a) 60
(b) 36
(c) 10
(d) 6
2. If n is a natural number, then $9^{2 \mathrm{n}}-4^{2 \mathrm{n}}$ is always divisible by:
(a) 5
(b) 13
(c) both 5 and 13
(d) 36
3. Sultana Begum left half of her money to her daughter and half of that amount to her grandchildren. She left a sixth of her money to her brother and the remainder rupees one lakh to her servant. How much did she leave altogether?
(a) 12 lakh
(b) 11 lakh
(c) 10 lakh
(d) 9 lakh
4. If $\mathrm{a}+\mathrm{b}+\mathrm{c}=0$ then the value of $\frac{a^{2}}{a^{2}-b c}+\frac{a^{2}}{b^{2}-c a}+\frac{c^{2}}{c^{2}-a b}$ is:
(a) 0
(b) 1
(c) 2
(d) 3
5. The sum of two numbers is 18 . The sum of their reciprocals is $\frac{1}{4}$. The numbers are:
(a) 13 and 5
(b) 10 and 8
(c) 12 and 6
(d) 11 and 7
6. If $m$ and $n$ are the zeroes of the polynomial $f(x)=k x^{2}+4 x+4$ such that $m^{2}+n^{2}=24$ then the values of $k$ are:
(a) $\frac{1}{2}, \frac{2}{3}$
(b) $-\frac{1}{2},-\frac{2}{3}$
(c) $-1, \frac{2}{3}$
(d) $-1,-\frac{2}{3}$
7.If we split 69 into three integers such that they are in A.P and the product of two smaller parts is 483 , then the three parts are:
(a) $20,24,25$
(b) $21,22,26$
(c) $22,23,24$
(d) $21,23,25$
7. Figure shows a right angled triangle, in which $\angle \mathrm{ABC}=90^{\circ} \mathrm{AB}=9 \mathrm{~cm}$ and $\mathrm{BC}=12 \mathrm{~cm}$. the value of AD is:
(a) 5 cm
(b) $\frac{27}{5} \mathrm{~cm}$
(c) $\frac{36}{5} \mathrm{~cm}$
(d) $\frac{48}{5} \mathrm{~cm}$
9.The median of a triangle divides it into two:
(a) triangles of equal area
(b) congruent triangles
(c) right triangles
(d) isosceles triangles
8. in the given figure AB is a diameter of the circle, CD is a chord equal to 0 the radius of the circle. AC and BD when extended intersect at a point ' E ' find $\angle \mathrm{AEB}$ :
(a) $30^{\circ}$
(b) $40^{\circ}$
(c) $80^{\circ}$
(d) $60^{\circ}$
9. If the two opposite vertices of a square are $(-1,2)$ and $(3,2)$ then the coordinates of the other two vertices are;
(a) $(1,1),(4,4)$
(b) $(2,1),(2,4)$
(c) $(-1,1),(-2,2)$
(d) $(1,0),(1,4)$
10. If $\cos 20^{\circ}=m$ and $\cos 70^{\circ}$ then the value of $\mathrm{m}^{2}+\mathrm{n}^{2}$ is:
(a) $\frac{1}{\sqrt{2}}$
(b) 1
(c) $\frac{3}{2}$
(d) 2
11. If $\sin \theta=\frac{4}{5}$, then the value of $\frac{4 \tan \theta-5 \cos \theta}{\sec \theta+4 \cot \theta}$ is:
(a) $\frac{1}{2}$
(b) $\frac{1}{3}$
(c) $\frac{2}{3}$
(d) $\frac{3}{4}$
12. If a $\sec \theta+b \tan \theta+c=0$ and $\mathrm{p} \sec \theta+\mathrm{q} \tan \theta+\mathrm{r}=0$, then:
(a) $(\mathrm{br}-\mathrm{qc})^{2}-(\mathrm{pc}-\mathrm{ar})^{2}=(\mathrm{aq}-\mathrm{bp})^{2}$
(b) $(\mathrm{br}+\mathrm{qc})^{2}+(\mathrm{pc}+\mathrm{ar})^{2}=(\mathrm{aq}+\mathrm{bp})^{2}$
(c) $\operatorname{brqc}-$ pcar $=a q b p$
(d) none of these
13. In $\triangle \mathrm{PQR}, \angle \mathrm{Q}>\angle \mathrm{R}, \mathrm{PM}$ is the angle bisector $\angle \mathrm{QPR}$. If $\mathrm{PN} \perp \mathrm{QR}$ then $\angle \mathrm{Q}-\angle \mathrm{R}$ is equal to:
(a) $\frac{1}{2} \angle \mathrm{MPN}$
(b) $\angle \mathrm{MPN}$
(c) $2 \angle \mathrm{MPN}$
(d) $3 \angle \mathrm{MPN}$
16.A 154 cm tall girl spots a balloon moving with the wind in a horizontal line at a height of 86.54 m from the ground. The angle of elevation of the balloon from the eyes of the girl at any instant is $45^{\circ}$. After some time, the angle of elevation reduces to $30^{\circ}$. Distance travelled by the balloon during the interval will be:
(a) $85(\sqrt{3}-1) \mathrm{m}$
(b) $75(\sqrt{3}-1) \mathrm{m}$
(c) $80(\sqrt{3}+1) \mathrm{m}$
(d) $85(\sqrt{3} \mathrm{~m}$
17.The areas of two similar triangles are $81 \mathrm{~cm}^{2}$ and $49 \mathrm{~cm}^{2}$ respectively. If the altitude of first triangle is 6.3 cm , find the corresponding altitude of the other:
(a) 4 cm
(b) 4.5 cm
(c) 3.8 cm
(d) 4.9 cm
14. A fair die is thrown 100 times out of which 1 appears ninety times, 2 appears two times, 3 appears three times, 4 appears once and 5 appears four times. What is the probability that in $101^{\mathrm{st}}$ throw of this die, 6 will appear?
(a) 0
(b) 1
(c) $\frac{1}{6}$
(d) $\frac{5}{6}$
15. If $\overline{x_{1}}, \overline{x_{2}}, \overline{x_{3}}$, $\qquad$ $\overline{x_{n}}$, are the means of n groups with $\mathrm{m}_{1}, \mathrm{~m}_{2}, \mathrm{~m}_{3}$ $\qquad$ $\mathrm{m}_{\mathrm{n}}$ number of observations respectively, then the mean $\bar{x}$ of all the groups taken together is:
(a) $\sum_{i=1}^{n} m_{i} \overline{x_{l}}$
(b) $\frac{\sum_{i=1}^{n} m_{i} \bar{x}_{l}}{n^{2}}$
(c) $\frac{\sum_{i=1}^{n} m_{i \overline{m_{l}}}}{\sum_{i=1}^{n} m_{i}}$
(d) $\frac{\sum_{i=1}^{n} m_{i \overline{x_{l}}}}{2 n}$
16. For what value of p , the mean of the given observations $2 p-5, p+3,7-p, 5-p$ and $p+$ 9 with frequencies $23,4,6$ and 1 respectively is 4 ?
(a) 2
(b) -1
(c) 1
(d) 1.5
21.The child environmental activist Greta Thunberg belongs to:
(a) Sweden
(b) Denmark
(c) Norway
(d) Austria
17. The Noble Prize Winner Abhijit Banerjee represents the field of;
(a) Literature
(b) Economics
(c) Social Work
(d) Music
18. Who is the author of the book, "Indian Unrest"?
(a) Rajendra Prasad
(b) Moto Lal Nehru
(c) W.W. Hunter
(d) Valentine Chirol
19. Which of the following cricketer has won the 'player of the Decade' award in 2020?
(a) Virat kohli
(b) Steve smith
(c) Ben Stokes
(d) Kane Williamson
20. The name of Carolina Marin is associated with:
(a) Cricket
(b) Badminton
(c) Tennis
(d) Wrestling
21. The football world cup, 2022 was held at:
(a) Dubai
(b) Qahira
(c) Qatar
(d) Tokyo
22. Which Indian state has the longest coastline?
(a) Andhra Pradesh
(b) Gujarat
(c) Kerala
(b) Tamil Nadu
23. Sardar Sarovar Dam is built over river:
(a) Narmada
(b) Tapti
(c) Ganga
(d) Kaveri
24. Which year the first General Election of Lok Sabha was held?
(a) 1952
(b) 1953
(c) 1954
(d) 1955
25. From which country the features of suspension of the fundamental rights during emergency was borrowed
(a) British Constitution
(b) Canadian Constitution
(c) Weimar Constitution of Germany
(d) French Revolution
26. The annual fair held near Makkah was know as the fair of;
(a) Ukaz
(b) Fujar
(c) Sana
(d) Faran
27. The science of Tafseer (ilm-e-Tafseer) is related with:
(a) Quran
(b) Hadith
(c) Kalam
(d) Taveel
33.The shrine of baba Farid Ganj shakar is located in:
(a) Delhi
(b) Ajmer
(c) Multan
(d) Pakpattan
28. Khwaja Moinuddin Chisti was disciple of:
(a) Bahauddin
(b) Abdul Qadir Jilani
(c) Abu Ishaq
(d) Usman Harwani
29. Which Mughal ruler is known for his liberal views?
(a) babur
(b) Akbar
(c) Humayun
(d) Aurangzeb
30. Aurangzeb was the son of:
(a) Humayun
(b) Babur
(c) Akbar
(d) Shahjahan
31. Identify the incorrect statement;
(a) Nizamuddin Awliya was a sufi
(b) Maulana Muhammad Ali Jouhar was a politician
(c) Maulana shibli wrote Khutbat-e-Ahmadiya
(d) Shah Waliullah was a theologian
32. The starting point of the Islamic calendar is the year:
(a) 571 AD
(b) 610 AD
(c) 622 AD
(d) 628 AD
33. The real name of Tipu Sultan was:
(a) Hyder Ali
(b) Fateh Ali
(c) Fateh Muhammad
(d) Sultan Ali

34. Prophet Muhammad belonged to which clan of the Quraish tribe?
(a) Hashim
(b) Bakr
(c) Huzail
(d) Kinanah

35. When was the Indian citizenship act passes, after independence?
(a) 1965
(b) 1955
(c) 1935
(d) 1945
36. The system of separate electorate in India in the colonial period was introduced by:
(a) Montagu-Chelmsford reforms
(b) Cripps Mission Plan
(c) Morley-Minto Reforms
(d) Cabinet Mission Plan
37. Voting rights to all adult women in United Kingdom (U.K) were granted in:
(a) 1832
(b) 1867
(c) 1911
(d) 1928
38. The ideas, libert, equality and fraternity in the Indian constitution are taken from:
(a) Spain
(b) France
(c) United States of America
(d) Ireland
39. which one of the following country has a Unitary system of Government?
(a) United States of America
(b) Canada
(c) UK
(D) India
40. Which of the following pair is NOT correctly matched?
(a) DMK -Tamil Nadu
(b) TRS- Telangana
(c) RJD- Bihar
(d) Akali Dal- Haryana
41. The system of 'Dyarchy' was implemented by which of the following Act?
(a) Government Of India Act, 1935
(b) Government Of India Act, 1919
(c) Government Of India Act, 1909
(d) Government Of India Act, 1858
42. What is justiciable in the court of law?
(a) Fundamental Rights
(b) Directive Principles of State Policy
(c) Fundamental Duties
(d) The Preamble
43. According tom the constitution of India the council of Ministers shall be collective responsible to:
(a) President of India
(b) Lok Sabha
(c) Prime Minister of India
(d) Rajya Sabha
44. Which article(s) of the Indian constitution confers right to freedom of religion to its citizens?
(a) Article 18
(b) Article 12 to 15
(c) Article 25 to 28
(d) Article 19 to 22
45. who said that "Muslims were fools to ask for safeguards, and Hindus were greater fools to refuse them'?
(a) Jawahar lal Nehru
(b) Abul kalam Azad
(c) Mohammad Ali
(d) Mahatma Gandhi
46. How much is the quorum of a House of Parliament in India?
(a) One-half of the membership of the House
(b) One-third of the membership of the House
(c) One-tenth of the membership of the House
(d) Two-third of the membership of the House
47. "Money Bill" is defined in which Article of the constitution of India
(a) 109
(b) 110
(c) 114
(d) 117
48. Right to property remained part of the fundamental rights in India until:
(a) 1980
(b) 1976
(c) 1990
(d) 1978
49. Article 370 of the Indian Constitution is applicable to:
(a) Jammu and Kashmir
(b) Punjab
(c) Sikkim
(d) Telangana
56.The most widely used indicator to compare economies is:
(a) Per capita income of the country
(b) Exports of the country
(c) Number of smart Cities in the country
(d) Number of MNC's in the country
50. $\qquad$ is an example of renewable resource.
(a) Uranium
(b) Natural Gas
(c) Coal
(d) Ground water
51. which of the following sector is having largest production in India?
(a) Agriculture Sector
(b) Manufacturing Sector
(c) Secondary Sector
(d) Tertiary Sector
52. The problem of absence of collateral led to establishment of:
(a) Collateral Banks
(b) Collateral Absentia
(c) Self Help groups
(d) IDBI
53. Formal loans are governed:
(a) SBI
(b) SEBI
(c) RBI
(d) commercial Corporations
54. 'Globalisation' can be made more beneficial for the people by:
(a) Government intervention
(b) Private sector dominance
(c) NGO's dominance
(d) Encouraging exports
55. Which of the following organization liberalize international trade?
(a) WHO
(b) WIO
(c) WEO
(d) WTO
56. The worst form of 'consumer exploitation' is found in:
(a) Service sector
(b) Formal sector
(c) Case of few producers
(d) manufacturing industries
57. United Nations guidelines for consumer protection was adopted in the year:
(a) 1985
(b) 1986
(c) 1987
(d) 1988
58. Farmers in palampore can grow $\qquad$ crops /crop in a year.
(a) one
(b) two
(c) three
(d) four
59. Urban areas have mostly $\qquad$ employment
(a) Seasonal
(b) Educated
(c) Disguised
(d) none of the above
60. Rural employment generation programme aims to create:
(a) Young Employment
(b) Self Employment
(c) Educated Employment
(d) Urban Employment
61. AAY stands for:
(a) Active Agricultural Yield
(b) Alternative Agriculture Yield
(c) Antyodaya Anna Yojana
(d) Antarrashtriya Annaj Yojana
62. Payment of pre-announced price by the government to the farmers for their crops is called:
(a) Pre-price policy
(b) Insurance price
(c) Minimum support price
(d) Minimum secure price
63. Food Security means:
(a) availability of food at all times
(b) affordability of food at all times
(c) accessibility of food at all times
(d) all of the above
64. what was the percentage of land owned by nobles, the church and other members of the third estate in France before the French revolution?
(a) $50 \%$
(b) $70 \%$
(c) $60 \%$
(d) $30 \%$
65. Who among the following advocated for a government based on 'Social Contract'?
(a) Charles Darwin
(b) Jean Jacques Rousseau
(c) Spencer
(d) Montesqueue
66. In the world-viewof Nazis who among the following were desirable?
(a) Jews
(b) Indo-Aryan
(c) Nordic German Aryan
(d) Gypsies
67. In the aftermath of First world war, German investment and industrial recovery were substantially dependent on short- term loans from:
(a) England
(b) USA
(c) France
(d) Italy
68. the famous enabling Act which established dictatorship in Germany by giving all powers to Hitler to sideline Parliament and rule by decree, was passed in the year:
(a) 1930
(b) 1933
(c) 1935
(d) 1929
69. Many pastolralist and nomadic communities like Korava, Karacha and Yerukula of Madras Presidency during colonial rule lost their livelihoods. Some of them began to be called:
(a) Dacoits
(b) Thugs
(c) Criminal Tribes
(d) Thief
70. Around 1980 who organized a widespread movement against state ownership of the forest in java under the rule of Dutch?
(a) Surontika Samin
(b) Captain William
(c) Gonda Dhur
(d) Dirk Van Hogendrop
71. Who among the following was the architect of German Unification?
(a) Bismark
(b) Mazzini
(c) Garibaldi
(d) Napoleon
72. Which club was formed by the students and members of middle class to spread the idea of French revolution?
(a) Revolutionary club
(b) Political club
(c) Jacobin club
(d) Zollverein custom union

73. At which session the Indian National Congress passed 'Poorna Swaraj" resolution?
(a) Nagpur Session, 1920
(b) Lahore Session, 1929
(c) Madras Session, 1927
(d) Karachi Session, 1931
74. which of the following incident led Gandhiji to withdraw non-Cooperation Movement?
(a) Rowlatt Act
(b) Jallianwala bagh Massacre
(c) Chgauri-Chaura incident
(d) Simon Commission
75. Which among the following is the first Industrial Nation of the world?
(a) England
(b) USA
(c) Russia
(d) Germany
76. Which disease proved to be crucial in the colonization of American Continent?
(a) Smallpox
(b) Rinderpest
(c) Cholera
(d) Corona Virus
77. who invented spinning Jenny?
(a) James watt
(b) Richard Arc-wright
(c) John Kay
(d) James Hargreaves

78. in 1920, a characteristic feature of industrial production was mass production. A well known pioneer of mass production in the US was:
(a) Laurel Ford
(b) Henry Ford
(c) Henry Douglas
(d) Christopher Columbus
79. Development is a $\qquad$ concept.
(a) unidirectional
(b) bidirectional
(c) multi-dimensional
(d) same as economic growth
80. For comparing countries, their $\qquad$ is considered to be one of the most important attributes.
(a) development
(b) income
(c) education
(d) population
81. which of the following does not belong to the service sector?
(a) Gardener
(b) Tailor
(c) Moneylender
(d) Astronaut
82. In which of the following sectors transport, communication and banking takes place?
(a) Primary Sector
(b) Tertiary Sector
(c) Infrastructure Sector
(d) Agriculture Sector
83. $\qquad$ is an asset that the borrower owns and uses it as a guarantee to a lender
(a) Loan
(b) Money
(c) Collateral
(d) Cheque
84. In India issues currency notes on behalf of the Central Government.
(a) State Bank of India
(b) Reserve Bank of India
(c) Bank of India
(d) Indian Bank
85. The most common route for investments by Multinational Companies in countries around the world is to:
(a) buying up local companies and then expand production
(b) set up new industries and factories
(c) form partnership with local companies
(d) invest money in neighbour countries bank
86. removing barriers or restrictions set by the government is known as:
(a) Globalisation
(b) Privatisation
(c) Modernisation
(d) Liberalisation
87. The Indian Parliament enacted the consumer protection Act in:
(a) 1968
(b) 1886
(c) 1868
(d) 1986
88. Modern farming methods require a great deal of:
(a) Land
(b) Labour
(c) Machine
(d) Capital
89. Identify the non-economic activity:
(a) Doctor treating his patient
(b) Teacher teaching his/her students
(c) Gardener planting rose in a library lawn
(d) Doctor treating his son
90. Prime Minister Rozgar Yojana was started in:
(a) 1993
(b) 1998
(c) 1988
(d) 1963
91. NSSO stands for:
(a) National Scientific Search Organisation
(b) National Sample Survey Organisation
(c) National Search for Scientific Organisation
(d) National Survey Sample Organisation
92. MSP stands for:
(a) Minimum support Price
(b) Maximum Support Price
(c) Multiple Support Price
(d) Maximum Support Price
93. The term 'Issue Price' refers to:
(a) Distributing food grains at a price higher than market price
(b) Distributing food grains at a price lower than the market price
(c) The first sale of agricultural items and manufacturing good items together
(d) The Price of canned food in retail shops

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