# YASIR ALI CLASSES 

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## Commerce / Humanities

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Q1. The Value of $\left(\frac{x^{a}}{x^{b}}\right)^{\frac{1}{a b}}\left(\frac{x^{b}}{x^{c}}\right)^{\frac{1}{b c}}\left(\frac{x^{c}}{x^{a}}\right)^{\frac{1}{c a}}$ is :
(a) 1
(b) 0
(c) $\frac{1}{\mathrm{x}^{\mathrm{ab}}}$
(d) $x^{a b c}$

Q2. The value of $0 . \overline{235}$ is:
(a) $\frac{232}{99}$
(b) $\frac{233}{990}$
(c) $\frac{240}{900}$
(d) $\frac{250}{995}$

Q3. For real numbers $a, b$ and $c$ if $a+c=7, a^{2}+b^{2}+c^{2}=35$ and $a^{3}+b^{3}+c^{3}=151$ then value ' $a b c$ ' is:
(a) 7
(b) 15
(c) -15
(d) 45

Q4. Which of the following is a quadratic equation?
(a) $x^{2}+2 x+1=4 x^{2}-2 x+1$
(b) $2 x+x^{2}-x^{2}+5$
(c) $(\sqrt{2}+\sqrt{3})^{2}=2 x^{2}-5 x$
(d) $-2 x^{2}=(5-x)\left(2 x-\frac{2}{5}\right)$

Q5. The air of linear equations $3 x+4 y+2 p-q=0$ and $4 x+3 y+q-3 r=0$ has its solution $(-5,-5)$, then $r$ is always equal to:
(a) $\frac{1}{3}(q-p)$
(c) $\frac{1}{2}(3 q-2 p)$
(b) $\frac{2}{3}(q-p)$

Q6. The students of a class are made to stand in rows. If 5 students are extra in a row, there would be 2 rows less. If 5 students are less in a row, there would be 6 rows more. The number of students in the class are:
(a) 36
(b) 48
(c) 54
(d) 60

Q7. If the sum of first $n$ even natural numbers is equal to $k$ times the sum of first $n$ odd natural numbers then ' $k$ ' will be equal to:
(a) $\frac{1}{\mathrm{n}}$
(c) $\frac{\mathrm{n}+1}{2 \mathrm{n}}$
(b) $\frac{\mathrm{n}-1}{\mathrm{n}}$
(d) $\frac{\mathrm{n}+1}{\mathrm{n}}$

Q8. If the shadow of a tower is 36 m long when the Sun's elevation is $30^{\circ}$. What is the length of the shadow when the Sun's elevation is $60^{\circ}$ ?
(a) 12 m
(b) 18 m
(c) $\left.12^{\sqrt{3}}\right) \mathrm{m}$
(d) 10 m

Q9. $\operatorname{Sec} \theta(1-\sin \theta)(\sec \theta+\tan \theta)$ is equal to
(a) 0
(b) 1
(c) $\operatorname{Sin}^{2} \theta$

Q10. If $x=\frac{5 \sin A-3 \cos A}{4 \sin A+3 \cos A}$.
(a) 0
(c) $\frac{16}{29}$
(b) 1
(d) 29

Q11. The distance between the points $\left(a \cos 25^{\circ}, 0\right)$ and $\left(0, a \cos 65^{\circ}\right)$ is
(a) a
(b) 2 a
(c) 3 a
(d) $\sqrt{\mathrm{a}}$

Q12. The point of the $x$-axis which is equidistant from $(2,-5)$ and $(-2,9)$ is:
(a) $(0,-5)$
(b) $(-7,0)$
(c) $(9,0)$
(d) $(7,0)$

Q13. In a simultaneous throw of three coins, the probability of getting a most two heads is:
(a) $\frac{3}{4}$
(b) $\frac{7}{8}$
(c) $\frac{3}{8}$
(d) $\frac{1}{8}$

Q14.An angle $\theta$, of first quadrat cant take only integer values such that $30^{\circ}<\theta \leq 90^{\circ}$. The probability that $\tan \theta \leq \mathrm{I}$ is:
(a) $\frac{1}{4}$
(b) $\frac{46}{60}$
(c) $\frac{46}{90}$
(d) can not be determined

Q15.If mod of a series exceeds that median by 8, then mode exceeds its mean by:
(a) 4
(b) 6
(c) 10
(d) 12

Q16. The sides of a triangular field $41 \mathrm{~m}, 40 \mathrm{~m}$ and 9 m . The number of rose beds that can be prepared in the field. If each rose bed, on an average needs $900 \mathrm{~cm}^{2}$ space, is
(a) 200
(b) 1800
(c) 180
(d) 90

Q17. I V is the volume and $S$ is the surface area of a cuboid of dimensions $1, b, h$ then reciprocal of volume is:
(a) $\frac{S}{2}(l+b+h)$
(b) $\frac{2}{S}\left(\frac{1}{l}+\frac{1}{b}+\frac{1}{h}\right)$
(c) $\frac{2 S}{1+b+h}$
(d) $2 \mathrm{~s}(\mathrm{l}+\mathrm{b}+\mathrm{h})$

Q18. In $\triangle \mathrm{PQR}, \mathrm{PR}>\mathrm{PQ}$ and PS bisects $\angle \mathrm{QPR}$ then:
(a) $\angle \mathrm{PSR}>\angle \mathrm{PSQ}$
(b) $\angle \mathrm{PSR}=\angle \mathrm{PSQ}$
(c) $\angle \mathrm{PSR}<\angle \mathrm{PSQ}$
(d) None of the above

Q19. If tangents PA and PB from a point P of a circle with centre O are inclined to each other at an angle of $80^{\circ}$, then $\angle \mathrm{POA}$ is equal to:
(a) $100^{\circ}$
(b) $60^{\circ}$
(c) $50^{\circ}$
(d) $80^{\circ}$

Q20.PQ and RS are respectively the smallest and the longest sides of a quadrilateral PQRS, then which statement is correct?
(a) $<\mathrm{P}+<$ Q $<\mathrm{R}+\mathrm{Zs}$
(b) $<\mathrm{P}+<\mathrm{Q}>\frac{1}{2}(<\mathrm{R}+<\mathrm{S})$
(c) $\langle\mathrm{P} \div<\mathrm{Q}\rangle \frac{\frac{1}{2}}{(<\mathrm{R}+<\mathrm{S})}$
(d) $8<\mathrm{P}+<\mathrm{Q}><\mathrm{R}+\mathrm{ZS}$

Q21. India's longest rail-cum-road bridge 'Bogibeel' is located in which of the following states?
(a) Arunachal Pradesh
(b) Assam
(c) Tripura
(d) Nagaland

Q22. There is a water dispute amongst Tamil Nadu, Karnataka, Kerala and Puducherry, it is known as:
(a) Mahanadi Water Dispute
(b) Godavari Water Dispute
(c) Cauvery Water Dispute
(d) Krishna Water Dispute

Q23.The amount of blood in a healthy human body is about:
(a) 2-3 litre
(b) 3.4 litres
(c) 5-6 litres
(d) 6-7 litres

Q24. The orbitals $s, p, d$ and fare related to:
(a) Galaxy
(b) Planets
(c) Electrons
(d) Earth layers

Q25.What is the minimum age for becoming the President of India?
(a) 35 years
(b) 40 years
(c) 30 years
(d) 25 years

Q26. The term 'Butterfly' is associated with which sport?
(a) Cycling
(b) Swimming

Q27. The symbol of peace is represented by which of the following?
(a) Green Light
(b) Yellow Light
(c) Olive Branch
(d) Red Flag

Q28. Which of the following is the largest gland of the human body?
(a) Stomach
(b) Liver
(c) Gail Bladder
(d) Kidney

Q29. Tulsidas wrote Ramcharitraras in language.
(a) Pali
(b) Sanskrit
(c). Hindi
(d) Awadhi

Q30. Weight of an object put in a satellite orbiting in space around the earth is :
(a) Reduced to Zero
(b) Same as on the earth
(c) More than that on the earth
(d) Less than that on the earth

Q31. The term 'Asma-al-Husna' is ascribed to:
(a) Physical image of Allah Almighty
(b) 99 names of Allah Almighty
(c) Glorification of the Life of Prophet Muhammad (SAW)
(d) Traditions of Prophet Muhammad (SAW)

Q32. The revelation of the Holy Qur'an began with:
(a) Surah al-Fatiha
(b) Surah al-Kausar
(c) Surah al-Yaseen
(d) Surah al-Alaq
Q33. On which mountain is the cave of Hira (Ghar-i-Hira) located :
(a) Jabal Sham
(b) Jabal-al-Nur .
(c) Jabal-al-Marwa
(d) Jabal-al-Safa

Q34.The battle of 'Ohud' took place in the year
(a) 3 A.H
(b) 4 A.H
(c) 5 A.H
(d) 6 A.H.

Q35.The garrison town for soldiers, constructed by Alauddin Khilji was named as:
(a) Siri
(b) Jahanpanah
(c) lata
(d) Qila

Q36. Sher Shah Suri ruled Delhi between:
(a) 1530-15.0
(b) 1530-1545
(c) 1540-1550
(d) 1540-1545

Q37. Shah Waliullah died in the year:
(a) 1749 AD
(b) 1759 AD
(c) 1762 AD
(d) 1773 AD

Q38. Maulana Abul Kalam Azad was born at:
(a) Delhi
(c) Medina
(b) Mecca
(d) Calcutta

Q39. Sir Syed Ahmad Khai wrote a Tafsir of the Quran entitled :
(a) Tafsir al-Garan
(b) Bayan al-Quran
(c) Roh al-Ma'ani
(d) Jami'al-Bayan

Q40. Tipu Sultan, the 'Tiger of Mysore' died at :
(a) Seringapatam
(b) Devanahalli
(c) Mangalore
(d) Pollilur

Q41. Who is the author of the book "The Grammar of Politics"?
(a) Harold Laski
(b) Robert Dahl
(c) Harold Lasswell
(d) Robert Putman

Q42. The term 'Justice' has been drawn from the Latin word:
(a) Just
(b) Justitia
(c) Jute
(d) Judge

Q43.According to Marx, the value of goods is determined by :
(a) Labour
(b) Land
(c) Capital
(d) Factory Owners

Q44.Which one of the following is not a principle on which democratic form of government is organized?
(a) Open and fair elections
(b) Freedom
(e) Absence of Opposition
(d) Majority rule

Q45. 73rd and 74th Constitutional Amendments in India are related to :
(a) States and Union Territories
(b) Panchayats and Municipalities
(c) Union and States
(d) Inter-state and Zonal Councils

Q46. A State has:
(a) Four elements
(b) Five elements
(c) Three elements
(d) Two elements

Q47. When was the non-cooperation movement suspended during struggle for India's freedom?
(a) 1940
(b) 1941
(c) 1922
(d) 1945

Q48. Freedom of Press is included in which Article of the Indian Constitution?
(a) 14
(b) 17
(c) 19
(d) 22

Q49. A judge of High Court of a State can be removed by the President of India only on the resolution adopted by:
(a) Parliament of India
(b) Parliament and State Assembly
(c) Governor and Chief Minister of the State
(d) State Assembly

Q50. The first meeting of the Constituent Assembly of undivided India took place on:
(a) 26th January 1946
(b) 9th December 1946
(c) 29th November 1946
(d) 31st December 1946

Q51. Liberty and Equality are :
(a) Contradictory to each other
(b) Complementary to each other
(c) Unrelated to each other
(d) None of the above

Q52. What is representative democracy?
(a) It is limited and indirect form of democracy.
(b) It is direct form of democracy.
(c) Representatives are chosen for unlimited time.
(d) A democracy where the Prime Minister is the only representative.

Q53. Which of the following pair of political parties in states is correctly matched?
(a) PDP - Andhra Pradesh
(b) TDP - Jammu \& Kashmir
(c) RJD - Bihar
(d) TMC - West Bengal

Q54. Under which case the Supreme Court of India held that the Right to Education is a fundamental right?
(a) Minerva Mills Case
(b) Mohini Jain Case
(c) Menaka Gandhi Case
(d) Aziz Pasha Case

Q55. Who appoints the District Judges in India?
(a) Speaker of the Assembly
(b) The President of India
(c) Governor
(d) Chief Minister

Q56.Which of the following forms part of the services sector?
(a) Transportation
(b) Garment Industry
(c) Flour Mills
(d) Mobile Industry

Q57. Globalisation adversely affects :
(a) Foreign Direct Investments in that country
(b) Domestic Industries in that country
(c) WTO Policies
(d) World Bank Policies

Q58.Which one of the following prepares Human Development Report?
(a) UNO
(b) WHO
(c) IMF
(d) UNDP

Q59. Which of the following does not fall under consumer right?
(a) Right to be informed
(b) Right to choose
(c) Right to seek Government help
(d) Right to represent consumers court

Q60. Trade Barriers are restrictions imposed on:
(a) Production of goods
(b) Sale of goods
(c) Both (a) and (b)
(d) Import and export of goods

Q61. Which Indian state has the least Infant Mortality Rate?
(a) Uttar Pradesh
(b) Bihar
(c) Kerala
(d) West Bengal

Q62. Which agency has the sole right to print notes on behalf of Government of India?
(a) Ministry of Finance
(b) Reserve Bank of India
(c) State Bank of India
(d) Co-operative Banks

Q63.What is/are included in electronic banking services?
(a) Debit card
(b) Credit card
(c) ATM
(d) All of the above

Q64. The accepted poverty line in calorie terms (per person per day) in rural areas in India is.
(a) 2100 calories
(b) 2200 calories
(c) 2300 calories
(d) 2400 calories

Q65. MSP.refers to :
(a) Minimum Support Price
(b) Maximum Support Price
(c) Marginal Support Price
(d) Main Support Price

Q66. According to census, 2011, the Literacy rate in India is:
(a) 74 per cent
(b) 54 per cent
(c) 70 per cent
(d) 62 per cent

Q67.The quality of population depends on :
(a) Literacy Rate
(b) Health parameters
(c) Life expectancy and skill
(d) All of the above

Q68. The organisation which measures the Poverty line in India is:
(a) NSSO
(b) CSO
(c) NITI Aayog
(d) ISO

Q69. HYV seeds refer to:
(a) Half Yielding Variety Seeds
(b) High Yielding Variety Seeds
(c) Heavy Yielding Variety Seeds
(d) None of the above

Q70. What is the main production activity in Palampur village?
(a) Farming
(b) Transport
(c) Small Scale Industries
(d) Cottage Industries

Q71. Spinning Jenny was a device invented by
(a) James Hargreaves
(b) James Watt
(c) Newcomen
(d) Henry Patullo

Q72. Who among the following is known as 'Frontier Gandhi'?
(a) S.C. Bose
(b) J.L. Nehru
(c) Ramaswamy Iyer
(d) Khan Abdul Ghaffar Khan

Q73. Puma Swaraj resolution was passed in :
(a) Lahore, 1931
(b) Lahore, 1929
(c) Karachi, 1931
(d) Karachi, 1929

Q74. Which of the following best explains 'Utopian Society'?
(a) A society where everybody is equal
(b) A democratic society
(c) An idealist society which can never be achieved
(d) An aristocratic society

Q75. Which institution is known as 'Bretton Wood' twin?
(a) Security Council
(b) UNESCO
(c) UNO
(d) IMF and World Bank

Q76. Who said, "Repression is repression; if it is legal, it must be resisted peacefully; but if it is illegal, it must be illegally met."
(a) Mahatma Gandhi
(b) Bal Gangadhar Tilak
(c) Jawaharlal Nehru
(d) Subhash Chandra Bose

Q77. Who edited the Bengal Gazette in 1780 ?
(a) James Augustus Hickey
(b) Bal Gangadhar Tilak
(c) Richard Howell
(d) Henry Vivian Derozio

Q78. The Muslim reformers within the Russian Empire were known as:
(a) Democrats
(b) Autocrats
(c) Socialists
(d) Jadidists

Q79. The World's first Cricket Club was formed in :
(a) Cambridge
(b) Liverpool
(c) Marylebone
(d) Hambledon

Q80. Wall Street Exchange crashed in which year?
(a) 1927
(b) 1929
(c) 1930
(d) 1931

Q81. Which dynasty was ruling France at the time of French Revolution?
(a) Tudor
(b) Capetian
(c) Bourbon
(d) Stuart

Q82. Who gave the statement, "In my state the mother is the most important citizen."
(a) Martin Luther
(b) Adolf Hitler
(c) Nelson Mandela
(d) Stalin

Q83.Who among the following two leaders led the Khilafat Movement?
(a) Shaukat Ali and Muhammad Ali
(b) Mahatma Gandhi and Sardar Patel
(c) Muhammad Ali Jinnah and Abul Kalam Azad
(d) Abul Kalam Azad and Jawahar Lal Nehru

Q84. Who is the author of the book 'Pride and Prejudice'?
(a) Jane Austen
(b) Charlotte Brontes
(c) Sarojini Naidu
(d) Vijayalakshmi Pandit

Q85. A city of China which became the hub of the new Print culture in the late nineteenth century was :
(a) Guanzhou
(b) Shenzhen
(c) Shanghai
(d) Chongqing

Q86. In which of the following states of India Bhadravati steel plant is located?
(a) West Bengal
(b) Jharkhand
(c) Tamil Nadu
(d) Karnataka

Q87. Gir Forest is the habitat of the :
(a) Camels
(b) Asiatic Lion
(e) Elephant
(d) Ostrich

Q88. Which one of the following is a non-conventional source of energy?
(a) Biogas
(b) Electricity
(c) Firewood
(d) Natural gas

Q89. Which one of the followings has highest content of Iron?
(a) Hematite
(b) Limonite
(c) Siderite
(d) Magnetite

Q90. The Literacy rate in India as per the census of 2011 is:
(a) 64.84 per cent
(b) 70.32 per cent
(c) 74.04 per cent
(d) 77.09 per cent

Q91. A form of energy obtained at Manikaran in the state of Himachal Pradesh is one of the following: -
(a) Geothermal
(b) Solar
(c) Tidal
(d) Wind

Q92. The sandalwood trees belong to which category of vegetation in India?
(a) Tropical Thorn Forests and Scrubs
(b) Tropical Evergreen Forests
(c) Tropical Deciduous Forests
(d) Mountain Forests

Q93. Which one of the following minerals is extracted from the bauxite ore?
(a) Aluminum
(b) Copper
(c) Gold
(d) Zinc

Q94. Which one of the following Ports in India is Deepest Land-Locked and well protected port?
(a) Tuticorin port
(b) Vishakhapatnam port
(c) Kandla port
(d) Haldia port

Q95.The name of the world's largest riverine island formed by the Brahmaputra river is
(a) Chilka
(b) Tsangpo
(c) Majuli
(d) Sunderban

Q96. The first census of India was held in the year :
(a) 1872
(b) 1782
(c) 1881
(d) 1981

Q97. In which of the following state is the Nanda Devi bio-reserve located?
(a) Punjab
(b) Haryana
(c) Himachal Pradesh
(d) Uttarakhand

Q98. The Sunderban Delta is formed by the rivers :
(a) The Mahanadi and the Brahmaputra
(b) The Ganga and the Brahmaputra
(c) The Ganga and the Krishna
(d) The Ganga and the Godavari

Q99. The main land of India extends between latitudes :
(a) $8^{\circ} 4^{\prime} \mathrm{N}$ and $36^{\circ} 7{ }^{\prime} \mathrm{N}$
(b) $4^{\circ} 8^{\prime} \mathrm{N}$ and $37^{\circ} 6^{\prime} \mathrm{N}$
(c) $8^{\circ} 4^{\prime} \mathrm{N}$ and $37^{\circ} 6^{\prime} \mathrm{N}$
(d) $8^{\circ} 3^{\prime} \mathrm{N}$ and $36^{\circ} 8^{\prime} \mathrm{N}$

Q100. East-West Corridor connects:
(a) Mumbai - Silchar
(b) Mumbai - Siligudi
(c) Silchar - Porbandar
(d) Porbandar - Kolkata

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