RISE UP ACADEMY

B.SC (HONS) AGRI 6 YR PRG 2025 ENTRANCE EXAM

Q1). Who formulated the laws of heredity ?

   A. Gragor Johan Mendel

   B. Charles Darwin

   C. Robert Hooke

   D. Newton

Q2). Ozone gas is

   A. O

   B. O_2

   C. O_3

   D. O_4

Q3). Peacock is

   A. Carnivores

   B. Herbivores

   C. Omnivores

   D. None of these

Q4). The gap between two neurons is called

   A. Synapse

   B. Dendrite

   C. Axon

   D. Cell body

Q5). The waste product of plants is

   A. Resins

   B. Gums

   C. Oxygen

   D. All of these

Q6). Which of the following is not a irrational number ?

   A. $(1- \sqrt{3})/ 2$

   B. $\sqrt{3} - 5\sqrt{3}$

   C. $[(\sqrt{3} + 4) - \sqrt{3}]/2$

   D. $\sqrt{5}$

Q7). Who is called Prince of mathematics ?

   A. Carl Friedrich Gauss

   B. Archimedes

   C. Euclid

D. Pythagoras

Q8). If two positive integers A & B can be expressed as $A=xy^2$ and $B=x^3y$; x,y being prime number, then LCM (A,B) is

A. x^2y^2

B. x^3y^2

C. xy

D. x^3y^3

Q9). What is the sum of the zeroes of quadratic polynomial $-3+6t^2-7t$?

A. -7/3

B. -7/6

C. 6/7

D. 7/6

Q10). If the zeroes of the quadratic polynomial $x^2 + (b+1)x + c$ are 2 & -3, then

A. b=2, c=-6

B. b=4, c=6

C. b=0, c=-6

D. b=2, c=0

Q11). Half the perimeter is a rectangular farm of wheat, whose length is 6m more than its width is 40m. Find the dimension of farm.

A. 23,17

B. 20,14

C. 26,20

D. 32,8

Q12). Five years ago, Malala was thrice as old as Rahul. Ten years later, Malala will be twice as old as Rahul. How old are Malala and Rahul ?

A. 30,10

B. 45,15

C. 26,20

D. 32,8

Q13). In which case, the pair of linear equations is inconsistent ?

A. $A_1/A_2 = B_1/B_2 \neq C_1/C_2$

B. $A_1/A_2 \neq B_1/B_2$

C. $A_1/B_1 \neq A_2/B_2$

D. $A_1/C_2 \neq C_2/B_1$

Q14). Who wrote liber embadorum?

A. Thales of miletus

B. Hero

C. Hypatia

D. Abraham bar

Q15). The solution of the equations $2x + 3y = 11$ & $2x - 4y = -24$ is

A. $x = 4$ $y = -3$

B. $x = 0$ $y = 5$

C. $x = -2$ $y = 5$

D. $x = -3$ $y = 4$

Q16). The value of Q for which the roots of equation $Qx^2 - 2x + 6 = 0$ are equal to

A. $1/6$

B. 6

C. $\pm 2\sqrt{6}$

D. -6

Q17). The 11th term of the Arithmetic progression (A.P.): -5, -5/2, 0, 5/2 ……. is

A. 25

B. 20

C. -20

D. -25

Q18). In an A.P. if $a_{12} = 37$ and d = 3 then a is

A. 3

B. 4

C. 2

D. 1

Q19). In triangles ABC and DEF, AB/DE = BC/FD, then they will be similar when

A. Angle B = Angle D

B. Angle A = Angle B

C. Angle E = Angle B

D. Angle B = Angle F

Q20). If T is a point on side AB of A ▲

ABC such that AT=BT=CT, then

A. $AT^2+BT^2=CT^2$

B. $AB^2+AC^2=BC^2$

C. $AC^2+BC^2=CT^2$

D. $AC^2+BC^2=AB^2$

Q21). The distance between the points (0,4) and (-4,0) is :

A. $4\sqrt{2}$

B. $2\sqrt{4}$

C. $4\sqrt{4}$

D. 4

Q22). What is the probability of getting a number greater than 6 when the dice is tossed once ?

A. 6

B. ⅙

C. 0

D. 1

Q23). Name the type of triangle PQR

formed by the points P (1,1), Q (3,1) & R (2,2) ?

A. Equilateral

B. Isosceles

C. Scalene

D. None of these

Q24). Given that Sin A = ½ & Cos B = ½, then the value of A+B is

A. 45⁰

B. 60⁰

C. 0⁰

D. 90⁰

Q25). For some Angle a, Cot 2a = 1/√3, then they value of Sin 3a, where 2a ≤ 90⁰ is

A. 0

B. √2

C. 1

D. ½

Q26). If the angle between two radii of a circle is 125⁰, then they angle between the tangents at the ends of the radii is

A. 55⁰

B. 90⁰

C. 75⁰

D. 45⁰

Q27). If the sum of the areas of two circles with radii R1 & R2 is equal to the areas of a circle of radius R, then

A. $R1 + R2 = R$

B. $R_1^2 + R_2^2 < R^2$

C. $R_1 + R_2 < R$

D. $R_1^2 + R_2^2 = R^2$

Q28). The angle formed in a semicircle is

A. 180⁰

B. 90⁰

C. 120⁰

D. 60⁰

Q29). The curved surface area of a cone

A. πrl

B. $\frac{1}{3}\pi rl$

C. $\pi r(r + l)$

D. $2\pi r^2$

Q30). The volume of the largest cone that can be cut out from a cube of edge 42 cm is :

A. 19404 cm³

B. 9702 cm³

C. 6468 cm³

D. 38808 cm³

Q32). A metallic sphere of radius 3 cm is melted and recast into the shape of a cylinder of radius 2 cm. The height of the cylinder is :

A. 6 cm

B. 7 cm

C. 8 cm

D. 9 cm

Q33). What will be the mean of first 10 even numbers ?

A. 9

B. 10

C. 11

D. 12

Q34). Which of the following can't be the probability of an event ?

A. ⅔

B. 5/2

C. 0.5

D. 18%

Q35). When a dice is tossed, the probability of getting an odd number less than 3 is :

A. ⅙

B. 2/6

C. 3/6

D. 0

Q36). Who said "When France Sneezes, the rest of the Europe catches cold"?

A. Garibaldi

B. Mazzini

C. Matternich

D. Bismarck

Q37). Which type of Governments were mainly driven in Europe after the death of Napoleon in 1815 ?

A. Conservative

B. Liberal

C. Federal

D. Feudal

Q38). The leader of militant guerrilla movement in the Gunden hills was :

A. Baba Ramchandra

B. Jawaharlal Nehru

C. Alluri Sitaram Raju

D. Mahatma Gandhi

Q39). Which one of the following agreements gave reserve seat to the "Depressed Classes" in provincial and Central Legislative Councils ?

A. Lucknow Pact

B. Gandhi - Irwin Pact

C. Poona Pact

D. None of theseQ

Q40). Which was the most powerful weapon used by the Spanish to conquer America ?

A. Navy

B. Military

C. Germs

D. None of these

Q41). In which of the following nation hundreds of thousands people died of starvation due to potato famine ?

A. Ireland

B. Greater Britain

C. India

D. Italy

Q42). Who created the Cotton mill ?

A. Richard Arkwright

B. Williams

C. Newcomer

D. James Watt

Q43). Who wrote "Amar Jiban" ?

A. Rokeya Hossein

B. Tarabai Shinde

C. Kailashbashini Devi

D. Rashsundari Devi

Q44). Which of the following is the meaning of 'Biliotheque Bleue' ?

A. An author

B. Low Price books

C. Monuments

D. None of these

Q45). Which of the following is a Non - Recyclable resource ?

A. Metal

B. Paper

C. Fossil Fuel

D. Water

Q46). Which of the following soil was known as a regular soil ?

A. Black soil

B. Red soil

C. Laterite

D. Arid soil

Q47). When was Indian Wildlife Protection Act implemented ?

A. 1970

B. 1972

C. 1974

D. 1976

Q48). Which was the first state in India to pass a resolution for Joint Forest Management (JFM) ?

A. Haryana

B. Assam

C. Rajasthan

D. Odisha

Q49). Who proudly proclaimed the dams as the temples of Modern India ?

A. Mahatma Gandhi

B. Jawaharlal Nehru

C. Dr. B.R. Ambedkar

D. Dr. Abdul Kalam

Q50). Bhakra Nangal multipurpose project is constructed on the river ....

A. Satluj

B. Tungabhadra

C. Damodar

D. Mahanadi

Q51). Which of the following is not correctly matched ?

A. Rubber -- Equatorial crop

B. Cotton -- Golden Fibre

C. Sugarcane -- Tropical as well as subtropical crop

D. Pulses -- Leguminous crops

Q52). The Bhoodan Gramden movement initiated by Vinoba Bhave is also known as

A. Bloodless revolution

B. White revolution

C. Farmer's revolution

D. Blue revolution

Q53). Which of the following is the best variety of iron ore ?

A. Haematite

B. Magnetite

C. Limonite

D. Anthracite

Q54). In which state is Rawabhata Nuclear energy plant located ?

A. Gujarat

B. Karnataka

C. Punjab

D. Rajasthan

Q55). Which city has emerged as the electronic capital of India ?

A. Mumbai

B. Kolkata

C. Bengaluru

D. Chandigarh

Q56). Panicle is a type of inflorescence of which crop

A. Urd

B. Lentil

C. Paddy

D. Soybean

Q57). Protein content of chickpea is

A. 17-21%

B. 23%

C. 25-26%

D. 31%

Q58). In dwarf wheat, sowing depth is related to

A. Length of radicle

B. Length of coleoptiles

C. Humidity

D. Temperature

Q59). Khaira disease of rice is caused by

A. Zinc toxicity

B. Iron deficiency

C. Zinc deficiency

D. Sulphur deficiency

Q60). Groundnut belongs to family

A. Compositae

B. Poaceae

C. Cruciferae

D. Leguminaceae

Q61). $CaCO_3$ is added in soil to reclaim

A. Alkali soil

B. Acidic soil

C. Saline soil

D. Laterite soil

Q62). Urea of foliar spray should not contain biuret more than

A. 5.6%

B. 3.4%

C. 1.5%

D. 7.8%

Q63). Which of the following fertilizer is known as kisan khad ?

A. Urea

B. Diammonium Phosphate

C. Single Super Phosphate

D. Calcium Ammonium Nitrate

Q64). Minimum support price (MSP) in India ensures

A. Statutory right of farmers for

their produce

    B. Government procures all crops covered under scheme at announced MSP

    C. Produce of the farmers are sold at MSP in the market

    D. None of these

Q65). The main architect of the 'White revolution' in India is

    A. Ram Dhan Singh

    B. Subrahmaniam Nagarajan

    C. Verghese Kurien

    D. M. S. Swaminathan

Q66). Maddened by hunger, the young Seagull dived at what ?

    A. Frog

    B. Fish

    C. Sparrow

    D. Another Seagull

Q67). What dampened Valli's

excitement all of a sudden ?

    A. She had no ticket

    B. She was missing her mother

    C. She saw a dead cow

    D. She lost her mobile

Q68). In the poem "Fire and Ice" Ice stands for what ?

    A. Love

    B. Extreme low temperature

    C. Snow

    D. Hatred

Q69). "The trees are stumbling forward into the night". Name the poetic device used in this line :

    A. Personification

    B. Metaphors

    C. Simile

    D. Oxymoron

Q70). The poet and singer ___ dead.

A. Are

B. Have

C. Been

D. Is

Q71). निम्नलिखित में से सूरदास की रचना कौन सी नहीं है ?

A. साहित्य लहरी

B. रामचरित मानस

C. सूरसारा वली

D. सूरसागर

Q72). 'उत्साह' कविता में कवि ने किसके लिए संबोधन किया है ?

A. हवा

B. बादलों

C. जल

D. सूर्य

Q73). लिलार शब्द का अर्थ है

A. लगाना

B. लटकन

C. लीला

D. ललाट

Q74). 'अज्ञेय' का पूरा नाम क्या है ?

A. सच्चिदानंद हीरानंद वात्स्यायन

B. कमलेश्वर

C. मधु कांकरिया

D. शिवपूजन सहाय

Q75). देवालय का संधि - विच्छेद है

A. देवा + लय

B. दे + वालय

C. देव + आलय

D. देवाल + य

Q76). The actual depth of a pond is 32 m. If the refractive index of water is 4/3 then find the Apparent depth of the pond.

A. 42 m

B. 28 m

C. 48 m

D. 24 m

Q77). If a person walks towards the mirror at the speed of 3 m/s , at what speed will he see his image coming towards him in the mirror ?

A. 3 m/s

B. 6 m/s

C. 0 m/s

D. 9 m/s

Q78). What will be the position of the image in a convex mirror ?

A. At infinity

B. At C

C. Between F & C

D. Between P & F

Q79). Which part of the eye is donated in eye donation ?

A. Cornea

B. Pupil

C. Iris

D. Retina

Q80). How far is the near point of a normal human eye ?

A. 100 cm

B. 10 cm

C. 25 cm

D. 50 cm

Q81). How much charge does an electron have ?

A. 1.6×10^{19} C

B. -16×10^{-20} C

C. -1.6×10^{10} C

D. 1.6×10^{-19} C

Q82). If the length of a wire is doubled then the resistivity of the wire will be

A. Double

B. Half

C. Same

D. None of these

Q83). According to Fleming's left hand

rule, a current carrying conductor moves

A. In the direction of thumb

B. In the direction of index finger

C. In the direction of the middle finger

D. In the direction of little finger

Q84). An electric iron is rated 220V ; 220W. When it is operated on 110V, what will be the power consumed by it ?

A. 55 W

B. 110 W

C. 220 W

D. 100 W

Q85). What is the maximum resistance which can be made using 10 resistors each of 1/10 Ohm ?

A. 1/10 Ohm

B. 10/10 Ohm

C. 100 Ohm

D. 10 Ohm

Q86). If 100W - 220V is written on a Bulb, what will be the resistance of the bulb ?

A. 100 ohm

B. 220 ohm

C. 484 ohm

D. 320 ohm

Q87). Reactivity of covalent bond

A. = < -- < ≡

B. ≡ < = < --

C. ≡ < -- < =

D. -- < = < ≡

Q88). Which is the most reactive element among Ca, Al, Zn and Pb ?

A. Pb

B. Al

C. Zn

D. Ca

Q89). Which of the following metal is found in free state in Earth's crust ?

A. K

B. Au

C. Na

D. Al

Q90). Process to convert sulphides Ores into oxide by heating strongly in the presence of air is called as

A. Roasting

B. Calcination

C. Thermite

D. None of these

Q91). Formula of Cyclohexane is

A. C_6H_6

B. C_6H_{14}

C. C_6H_{12}

D. C_6H_{10}

Q92). Which carbon compound is used for tincture iodine ?

A. Ethane

B. Ethanoic acid

C. Propanol

D. Ethanol

Q93). The alloy of Hg is called

A. Amalgam

B. Bronze

C. Magnalium

D. Duralumin

Q94). Rancidity is caused by

A. Reduction

B. Oxidation

C. Both A & B

D. None of these

Q95). Which acid is formed in Spinach ?

A. Citric Acid

B. Ascorbic acid

C. Malic acid

D. Oxalic acid

RISE UP ACADEMY

Q96). In which woman's body part Copper - T is inserted ?

A. Testicle

B. Vagina

C. Uterus

D. Ovary

Q97). pH of gastric juice is

A. More than 7

B. Less than 7

C. Equal to 7

D. None of these

Q98). The disease called goiter is caused by the deficiency of which hormone ?

A. Astrogen

B. Progesterone

C. Thyroxin

D. STH hormone

Q99). Which cells are called soldiers of our body ?

A. RBC

B. WBC

C. PBC

D. ECG

Q100). Which sex chromosomes does a human female have ?

A. XXY

B. XY

C. YY

D. None of these

RISE UP ACADEMY

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Answer Key

Q.No.	Ans	Q.No.	Ans	Q.No.	Ans	Q.No.	Ans
1	A	26	A	51	B	76	D
2	C	27	D	52	A	77	B
3	C	28	B	53	B	78	D
4	A	29	A	54	D	79	A
5	D	30	A	55	C	80	C
6	C	31	A	56	C	81	B
7	A	32	D	57	A	82	C
8	B	33	C	58	B	83	A
9	D	34	B	59	C	84	A
10	C	35	A	60	D	85	B
11	A	36	C	61	B	86	C
12	D	37	A	62	C	87	D
13	A	38	C	63	D	88	D
14	D	39	C	64	B	89	B
15	C	40	C	65	C	90	A
16	A	41	A	66	B	91	C
17	B	42	A	67	C	92	D
18	B	43	D	68	D	93	A
19	A	44	B	69	A	94	B
20	D	45	C	70	D	95	D
21	A	46	A	71	B	96	C
22	C	47	B	72	B	97	B
23	B	48	D	73	D	98	C
24	D	49	B	74	A	99	B
25	C	50	A	75	C	100	D