

RISE UP ACADEMY

BSC AGRI 6 YR 2023 EXAM

Q1). Which of the following is not normal ?

- A. Bargad, Peepal & Neem
- B. Harar, Bahera & Aonla
- C. Giloe, Tulsi & Aloe Vera
- D. Capsicum, Wheat & Rye

Q2). Which one of the following is not a flowering plant?

- A. Dahlia
- B. Rose
- C. Lantana camera
- D. Ashoka

Q3). Which gas is emitted from raw dung and urine where the milk animals and their calves are kept in a house/pan?

- A. Carbon Dioxide
- B. Ammonia
- C. Methane
- D. Hydrogen sulphide

Q4). How many nutrients are available in urea and MOP?

- A. 1,2
- B. 2,2
- C. 1,2
- D. None of these

Q5). Which one is a stored grain pest?

- A. White grub
- B. Thrips
- C. Aphid
- D. Dhan Weevil

Q6). WH 1270 is a released variety of which crop?

- A. Barley
- B. Gram
- C. Wheat
- D. Mustard

Q7). Which of the parts of the plants are damaged by the insects?

- A. Roots, wooden portion and stems only
- B. Leaves bark and branches only
- C. Flowers, fruits and seeds only
- D. All of these

Q8). The male and female flowers are found separately on which of the following fruit plants?

- A. Mango
- B. Date Palm
- C. Pomegranate
- D. Ber

Q9). Which of the crops have been included in millets/Shree Ann (Coarse grain crops) by the Haryana Government?

- A. Bajra, Jowar, cheena only
- B. Ragi, Kangni, Kuttu only
- C. Kodo, Kutki only
- D. All of these

Q10). Which one of the following perching birds is not an insect eating bird seen in our fields?

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- A. Sparrow
- B. Maina
- C. Drongon
- D. Pigeon

Q11). HCN – a poisonous chemical is found in which fodder crop when harvested before 45 days of sowing.

- A. Oats
- B. Jowar
- C. Berseem
- D. Napier grass

Q12). Malformation is observed in which of the following fruit plants?

- A. Pomegranate
- B. Litchi
- C. Mango
- D. Guava

Q13). Eisenia foetida/Earth worm used for vermicomposting is:

- A. Hermaphrodite
- B. Unisexual
- C. Bisexual
- D. All of these

Q14). Addition of organic matter into the soil improves

- A. Physical properties of Soil only
- B. Chemical properties of Soil only
- C. Biological properties of Soil only
- D. All of these

Q15). Marwar teak is

- A. Jandi
- B. Shisham
- C. Rohida
- D. Kikar

Q16). International Soil Day is celebrated on

- A. 31st October
- B. 1st November
- C. 5th September
- D. 5th December

Q17). In which year Haryana Agricultural University, Hisar was renamed as Chaudhary Charan Singh Haryana Agricultural University, Hisar?

- A. 1st November, 1966
- B. 2nd February, 1970
- C. 31st October, 1990
- D. 31st October, 1991

Q18). Central Arid Zone Research Institute is located at

- A. Hyderabad
- B. Kanpur
- C. Jodhpur
- D. Bikaner

Q19). Foundation of Food Corporation of India was laid in the year:

- A. 1950
- B. 1962
- C. 1965

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D. 1984

Q20). Which quadruped animal strikes with hind leg (s)?

- A. Cow, ox, heifer
- B. Donkey, horse, mule
- C. Camel, antelope
- D. All of these

Q21). PCS (Primary Cooperative Societies) normally functions at

- A. State level
- B. District level
- C. Block level
- D. Village level

Q22). Bhavantar Bharpai Yagna in the field of Agriculture initiated by Government of Haryana is for?

- A. Livestock
- B. Vegetables
- C. Vermicompost & green manure
- D. Poultry

Q23). Which type of seed bed is best for growing of small size seed crop?

- A. Smooth
- B. Rough
- C. Both A & B
- D. None of these

Q24). APMC belongs to

- A. Agricultural Processing Market Community
- B. Agricultural Processing Market Committee
- C. Agricultural Produce Market Committee
- D. Agricultural Produce Market Community

Q25). Headquarter of ICAR is situated at

- A. Samastipur
- B. New Delhi
- C. Pune
- D. Shimla

Q26). The pungency in mustard oil is due the presence of?

- A. Oxalic acid
- B. Sinigrin
- C. Saturated fatty acid
- D. Non-saturated fatty acid

Q27). Paradhan Mantri Fasal Bima Yojana was started in Haryana in the year

- A. 2015
- B. 2016
- C. 2017
- D. 2019

Q28). Which one of the following is a primary tillage implement?

- A. Disk harrow
- B. Spike
- C. Chisel plough
- D. None of these

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Q29). Weeds are called unwanted plants, because of?

- A. They are cultivated
- B. They are not cultivated
- C. Weeds compete with crops
- D. Both B & C

Q30). Example of root parasitic weed?

- A. Cuscuta
- B. Orobanchi
- C. Striga
- D. All of these

Q31) The process of movement of water within the soil is termed as?

- A. Infiltration
- B. Seepage
- C. Percolation
- D. Leaching

Q32) An implement is used for tillage purpose in standing water?

- A. Puddler
- B. Zero till machine
- C. Chisel plough
- D. Seed drill

Q33) Which is the first step of seed germination?

- A. Emergence of root
- B. Emergence of shoot
- C. Imbibition
- D. Both A and B

Q34) Azolla is a kind of ?

- A. Cover crop
- B. Biopesticide
- C. Biofertilizer
- D. Cyanobacteria

Q35). Name of the crop, which is not legume crop?

- A. Chickpea
- B. Rajma
- C. Pea
- D. Lentil

Q36). What is the primary objective of SHG(Self Help Group)?

- A. To supply high quality seeds
- B. To transfer technology to farmers
- C. To provide micro finance to groups
- D. All of these

Q37). The age at which calves are generally weaned?

- A. 6-8 Months
- B. 8-10 Months
- C. 10-12 months
- D. 4-6 Months

Q38). In which season green gram crop is cultivated in Haryana?

- A. Rabi
- B. Kharif
- C. Summer
- D. Both B and C

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Q39). How much open floor area is required for pregnant cow?

- A. 6m^2
- B. 8m^2
- C. 2m^2
- D. 4m^2

Q40). The water holding capacity of the soil can be improved by the application of?

- A. Urea
- B. Humus
- C. Crop residue
- D. Both B and C

Q41). When silver chloride exposed to sunlight for a long duration turns grey due to ?

- A. The formation of silver by decomposition of silver chloride
- B. Oxidation of silver chloride
- C. Sublimation of silver chloride
- D. Decomposition of chloride gas from silver

Q42). A substance added to food containing fats and oils is called?

- A. Antioxidants
- B. Oxidant
- C. Reductant
- D. Rancid

Q43). Which is the first enzyme to mix with food in the digestive tract?

- A. Pepsin

B. Cellulose

C. Amylase

D. Trypsin

Q44). Which one of the following salts does not contain water of crystallization?

- A. Baking soda
- B. Washing soda
- C. Gypsum
- D. None of these

Q45). At which temperature gypsum is heated to form Plaster of Paris?

- A. 80 C
- B. 90 C
- C. 100 C
- D. 110 C

Q46). The pH of a solution of HCL is 4. This shows that the molarity of the solution is?

- A. 0.4M
- B. 4.0M
- C. 0.001M
- D. 0.01M

Q47). Which of the following does not form an acidic salt?

- A. Hydrochloric Acid
- B. Carbonic Acid
- C. Phosphoric Acid
- D. None of these

Q48). Which one of the following alloys contains non-metals as one of its constituents?

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- A. Amalgam
- B. Gunmetal
- C. Both A and B
- D. Brass

Q49). Which property of metals is used for making bells and strings of musical instruments like sitar and violin?

- A. Ductility
- B. Sonorousness
- C. Malleability
- D. All of these

Q50). On prolonged reaction of Iron with steam, which of the following oxides of iron would be produced?

- A. Fe_2O_3
- B. FeO
- C. Fe_3O_4
- D. Fe_2O

Q51). Foods cans are coated with tin, not by zinc, because?

- A. Zinc has a high melting point than tin
- B. Zinc is more reactive than tin
- C. Zinc is more costlier than tin
- D. All of these

Q52). How does chlorine react to a hydrocarbon compound in the presence of sunlight ?

- A. It adds hydrogen to the compound.

- B. It substitutes hydrogen atom from the compound.
- C. It breaks double and triple bonds into a single bond.
- D. It adds N to the compound.

Q53). The I.U.P.A.C name of $\text{CH}_3\text{CH}_2\text{CH}=\text{CH}_2$ is

- A. But-1-ene
- B. Prop-1-ene
- C. Butyne
- D. None of these

Q54). Which of the following is correct regarding the melting point and boiling point of chloroform ?

- A. It has 156 melting point and 351 boiling point
- B. It has 290 melting point and 391 boiling point
- C. It has 209 melting point and 334 boiling point
- D. It has 209 melting point and 334 boiling point

Q55). At the time of Mendeleev, the number of elements known was

- A. 63
- B. 73
- C. 53
- D. 43

Q56). Ionisation energy is measured in

- A. KJ/g

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- B. J/mole
- C. KJ/mol
- D. Both A & B

Q57). In the 3rd period of the periodic table the element having smallest size is

- A. Ar
- B. Na
- C. Cl
- D. B

Q58). In which of the following groups of organisms food materials are broken down outside the body and absorbed?

- A. Yeast
- B. Bread mould
- C. Mushroom
- D. All of these

Q59). Temporary finger like extensions on amoeba are called

- A. Pseudopodia
- B. Cilia
- C. Finger
- D. Cell membrane

Q60). The internal (cellular) energy reservoir in autotrophs is

- A. Fatty acid
- B. Starch
- C. Protein
- D. All of these

Q61). Blood consist of which fluid medium ?

- A. Plasma
- B. Platelets
- C. Lymph
- D. Oxygen

Q62). In humans, the life processes are controlled & regulated by

- A. Digestive system
- B. Endocrine system
- C. Nervous system
- D. Both B & C

Q63). Which one of the following plant hormones helps in root formation ?

- A. IAA (Indole-3 Acetic acid)
- B. NAA (Naphthalene Acetic Acid)
- C. IBA (Indole-3 butyric acid)
- D. All of these

Q64). Any change in the environment to which an organism responds is called

- A. Response
- B. Stimulus
- C. Both A & B
- D. None of these

Q65). The growth of pollen tubes towards ovules is due to

- A. Phototropism
- B. Hydrotropism
- C. Photoperiodism
- D. Chemotropism

FOR MORE DETAILS CONTACT: 7056516517, 7496095317

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Q66). Which of the following diseases is transmitted sexually ?

- A. Cancer
- B. Jaundice
- C. Syphilis
- D. Black fever

Q67). Bryophyllum can be propagated vegetatively by

- A. Leaf
- B. Callus
- C. Flower
- D. Seed

Q68). IUCD is used for

- A. Avoiding miscarriage
- B. Vegetative propagation
- C. Both A & B
- D. Contraception

Q69). In Spirogyra, asexual reproduction takes place by

- A. Division of a cell into two cells
- B. Breaking of filaments in smaller bits
- C. Division of a cell into many cells
- D. None of these

Q70). Which of the following is totally impossible outcome of Mendel's experiment ?

- A. 24 tall 2 medium height
- B. 8 tall 0 medium height
- C. 4 tall 1 medium height
- D. None of these

Q71). Which one of the following is now extinct & studied from their fossils ?

- A. White tiger & sparrow
- B. Ammonite & white tiger
- C. Dinosaur & fish (Knightia)
- D. All of these

Q72). The remains of dead animals or plants, that lived in the remote past are called as

- A. Existing species
- B. Fossils
- C. Extinct species
- D. Both B & C

Q73). A case when the object is placed at C in case of concave mirror, then the image will be formed ?

- A. At infinity
- B. Near C
- C. At C
- D. Near infinity

Q74). When light travels from one medium to the other of which the refractive index is different, then the quantities will change ?

- A. Wavelength, frequency & velocity
- B. Wavelength & velocity
- C. Frequency & velocity
- D. Wavelength & frequency

Q75). When an object is placed between infinity & pole of a convex mirror, the mirror makes an image ?

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- A. At pole
- B. Between principal focus & centre of curvature
- C. Between principal focus & pole
- D. None of these

Q76). Which one of the following is correct about the "Sun appears red at sunrise and sunset"?

- A. Red has a high wavelength, so it travels a longer distance
- B. the white light disperses into seven colours, only red enters the atmosphere
- C. Red scatters highest by the atmosphere
- D. None of these

Q77). Name the scientist who was first to use a glass prism to obtain the spectrum of sunlight?

- A. Einstein
- B. Issac Newton
- C. Hans Christian Oersted
- D. Johnson

Q78). The image on the retina remains for

- A. 20 sec
- B. 10 sec
- C. 1/16 sec
- D. 1/10 sec

Q79). Which of the following is not caused by the atmospheric refraction of light ?

- A. Sun appearing red at sunset

- B. Twinkling of stars
- C. Both A & B
- D. None of these

Q80). An electric iron draws a current of 4A when connected to a 220V mains. Its resistance must be

- A. 45 ohm
- B. 55 ohm
- C. 35 ohm
- D. 75 ohm

Q81). Which statement is not true about the electrical set-up for the verification of Ohm's law?

- A. The voltmeter is connected in parallel with the known resistance
- B. The single key is used to switch on/off the electric circuit
- C. The ammeter is connected in series circuit
- D. The rheostat can only increase the resistance in electric circuit

Q82). In how many different ways three 1Ω can be combined ?

- A. 16 ways
- B. 28 ways
- C. 4 ways
- D. 8 ways

Q83). Ohm's law states which relationship between electrical quantities

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- A. Volts = current times the resistance
- B. Volts = resistance times charge
- C. Volts = coulombs divided by charge
- D. None of these

Q84). In a flower the parts that produce male & female gametes are :

- A. Stamen & anther
- B. Filament & stigma
- C. Anther & ovary
- D. Stamen & style

Q85). The magnitude of induced e.m.f. is

- A. Proportional to earth's magnetic field
- B. Depend on material of coil
- C. Proportional to the rate of change of field lines
- D. All of these

Q86). Soft iron is used to make the core of transformer, because?

- A. It is ferromagnetic material
- B. It can be magnetized
- C. It can be demagnetized
- D. All of these

Q87). The SI unit of magnetic induction is

- A. J
- B. M
- C. Tesla
- D. None of these

Q88). The efficiency of fuel can be increased using new technologies. How do increased

efficiency benefit humans and the environment?

- A. Amount of fuel in reservoirs will increase
- B. Production of fuel will increase
- C. Pollution and consumption will decrease
- D. Both A & B

Q89). Kakrapar atomic power station is situated in

- A. Madhya Pradesh
- B. Andhra Pradesh
- C. Gujarat
- D. Rajasthan

Q90). Which one of the following produces energy due to temperature difference in ocean?

- A. Ocean thermal energy
- B. Tidal energy
- C. Wave energy
- D. All of these

Q91). In wind turbines the blades generally are connected to ?

- A. Tower
- B. String
- C. Nacelle
- D. None of these

Q92). The process of accumulation of non-biodegradable pesticides in the food chain in

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increasing amount at each higher trophic level is called?

- A. Accumulation
- B. Eutrophication
- C. Biomagnification
- D. None of these

Q93). The third trophic level in food chain is always occupied by ?

- A. Omnivores
- B. Carnivores
- C. Decomposers
- D. Herbivores

Q94). Which of the following statements about food chain and energy flow through ecosystem is false?

- A. Food webs include two or more food chains
- B. The lower the trophic level at which an organism feeds, the more energy available
- C. Detritivores feed at all trophic levels except the producer level
- D. All of these

Q95). Excessive exposure to ultraviolet radiation causes ?

- A. Damage to lungs
- B. Skin cancer
- C. Inflammation of liver
- D. All of these

Q96). Which of the following is an example of non-biodegradable substance ?

- A. Weed seed
- B. Plastic
- C. Virgin plastic
- D. Plants

Q97). When we destroy a forest, we destroy ?

- A. Environment
- B. Food
- C. Food & shelter
- D. Forest

Q98). A major programme that was started to replenish the forests that are damaged is ?

- A. Agriculture
- B. Horticulture
- C. Silviculture
- D. None of these

Q99). The ancient water harvesting structure "Kulhs" were made in ?

- A. Himachal Pradesh
- B. Andhra Pradesh
- C. Madhya Pradesh
- D. Haryana

Q100). Vast tracts of forests are cleared and a single species of plants is cultivated. This practice promotes?

- A. Preserves the natural ecosystem in the area
- B. Biodiversity in the area

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C. Monoculture in the area

D. All of these

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