

## Ph.D. Entrance Exam 2022

<b>Course</b>	Ph.D.
<b>Branch</b>	AGRICULTURE
<b>Subject Name</b>	NETICS & PLANT BREEDING, AGRONOMY, SOIL SCIENCE AND ANIMAL PRODUCT

SN	Question Text	Option 1	Option 2	Option 3	Option 4
1	In mitosis, DNA syntesis takes place during	G1 stage	G2 stage	S stage	All of these
2	Nullisomic is represented as	2n+1	2n-1	2n-2	2n+2
3	Crossing over takes place between	Homologous Chromosomes	Non homologous Chromosomes	Isochromosomes	All of these
4	Epistasis is also known as	Intergenic Interaction	Interallelic Interaction	Inter locus Interaction	All of these
5	Additive x Additive type of spistasis is	Heritable	Non-Heritable	Heritable fixable	Heritable Non-fixable
6	RNA act as genetic material in	TMV	Neurospora	E. Coli	None of the these
7	In barley, X-Rays were 1st used for induction of mutation by	De Vries	Mullar	Stadler	Micke
8	NBPGR is located as	Karnal	New Delhi	Hyderabad	Kanpur
9	International Certre for Agriculture Reseach in Dryland Areas (ICAR)	Nigeria	Syria	Columbia	India
10	Multiline is a mixture of several	Pureline	Inbredlines	Isogenic line	Clones
11	Argemone mexicana is an objectional weed in	Wheat	Rapseed/Mustard	Barley	Chickpea
12	In half diallel, total crosses among parents are equal to	$P(P-1)/2$	$P(P+1)/2$	$P(P-1)$	$P(P+1)$
13	Which DNA marker was was first developed ?	AFLP	RFLP	RAPD	SSR
14	How many chromosomes are in wheat	21	42	63	14
15	BPT 5204 is popular variety of	Sugarcane	Rice	Mungbean	Wheat
16	Irrigation method suitable for undulating topography is	Border irrigation	Drip irrigation	Sprinkler system	Cabelgation
17	Hybrid rice for commercial production was first evolved in	India	China	USA	Japan
18	Which of these herbicides is used to control weeds in zero tillage	Alachlor	Paraquat	Fluchloralin	Pendimethalin
19	Plant food manufactured by the process of photosynthesis in the presence of a nutrient in chlorophyll is	Ca	Boron	Iron	Mg
20	First hybrid maize Ganga-1 was developed in India in	1957	1961	1964	1974
21	Which following crop used as a pulse, vegetables, fodder and green manure	Pigeon pea	Cowpea	Soybean	Gram
22	Highest water use efficiency is observed in	C3 plant	CAM plant	C4 plant	All the above
23	The key principals of organic farming are	Mixed farming	Crop rotation	Organic cycle	All of the above
24	National Center of Organic Farming in India	Lucknow	Hyderabad	Pune	Ghaziabad
25	Which one of the following state has the largest area under canal irrigation	Uttar Pradesh	Andhra Pradesh	Maharastra	Punjab
26	Natural aggregate is called	Ped	Clods	Fragments	Aggregate
27	Binding ajents of Soil	NaCl	FeS2	HCO3-	CaCO3

28	Enzymes consists of chains of	fatty acid	Amino acid	Nucleotides	Carbohydrates
29	L and M ring are the characteristic features of	Flagella	Cell membrane	Cell wall	Pilli
30	Symbiotic N-fixing Bacteria	Azotobacter	Azospirillum	Clostridium	Rhizobium
31	Hert rot spot of cabbage is caused by deficiency of	Molybdenum	Magnease	Boron	Calcium
32	The Law of Minimum was given by	Justan Van Liebing	Spillmen	Mitcherlich	Thomas Way
33	Citrate Soluble Fertilizer are	SSP	TSP	Basic slage	DAP
34	Protein soluble in water are	Albumins	Globulins	Glutenins	Prolaimins
35	Which minerals is more resistant to weathering ?	olivines	Quartz	Biotite	granite
36	When the units are thick of the soil structure is called as	Platy	Blocky	Laminar	Prism
37	Zonality Concept of soil was developed by	Baldwin	Dockunchaiv	Throp	Marbut
38	Highly weathred in soil is	Ultisols	Altisols	Oxisols	Histosols
39	The calf normally comes with the two front ----- first during part	Legs	Hooves	Head	Ear
40	Cessation of oestrus is initial sign of	Pregnancy	Calving	Parturition	Mating
41	Mammary gland is grouped as ----- organ	Primary sex organ	Accessory sex organ	Secondary sex organ	None
42	The primary reproductive organ of female is	Testis	Oviduct	Ovary	Servix
43	Organ of copulation in male is	Penis	Servix	Uterine	Vulva
44	Animal body contains about -----% minerals	3	2	1	5
45	Rickets in young is due to deficiency of -----minerals	Ca	Ca & P	P	K
46	Karan Fries breed of cattle evolved at	UP	Karnal	Rajasthan	MP
47	Follicle development is main function of -----hormone	Perogestrone	Testosterone	Oxytocine	Estrogen
48	Colostrum should be fed at rate of -----% of body weight for f	< 8	10 to 15	8 to 10	>15
49	Relative humidity requirement during first 18 days in Incubator is	60%	65%	70%	80%
50	-----system help in control and prevention of diseases	All in- all out	All in	All out	Out door