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DU PhD In Biomedical Sciences

Sr.No	Question Id	Question Description	Question Body	Options
1	863	DU_J19_PHD_BIOSCI_Q01	For chronic myeloid leukemia one of the best chemotherapy drugs used is:	3449: Ima 3450:Bleo 3451:Adria 3452:cispl
2	864	DU_J19_PHD_BIOSCI_Q02	The enzyme of E.coli that initiates the repair of double stranded DNA breaks by homologous recombination (base excision repair in DNA)	3453:DNA 3454:DNA 3455:DNA 3456:RNA
3	865	DU_J19_PHD_BIOSCI_Q03	What is the function of the ω subunit of RNA polymerase?	3457:Subu association 3458:Prom 3459:Initia elongation 3460:Catio
4	866	DU_J19_PHD_BIOSCI_Q04	Four types of σ factors are known ,of them which one used during Nitrogen deficiency?	3461:σ_{70}, 3462:σ_{32}, 3463:σ_{54}, 3464:σ_{28},
5	867	DU_J19_PHD_BIOSCI_Q05	Once the tRNA is aminoacylated, EF-Tu binds to the tRNA at the _____	3465:5' en tRNA, 3466:3' en tRNA, 3467:Amin 3468:Varia tRNA,
6	868	DU_J19_PHD_BIOSCI_Q06	The completion of translocation requires the action of the factor _____	3469: EF-T 3470:EF-G

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		CI_Q06		3471:eIF2 3472:eIF4
7	869	DU_J19_PHD_BIOSCI_Q07	Which of the following is an Ubiquitin activating enzyme?	3473:E1, 3474:E2, 3475:E3, 3476:E4,
8	870	DU_J19_PHD_BIOSCI_Q08	At the end of each phase of cell cycle, cyclins activating Cdks in that phase are inactivated irreversibly by	3477:Multi phosphory 3478:De- phosphory 3479:Ubiq 3480:Dest proteolysis proteasom
9	871	DU_J19_PHD_BIOSCI_Q09	MICA and MICB are	3481:Majo Histocomp Complex n that regula 3482:Mem Compleme Antigen A 3483:Mous Incomplete Antigen A 3484:Micr Complex A
10	872	DU_J19_PHD_BIOSCI_Q10	MAIT stands for:	3485: Min Inducible T 3486:Muco Associated cell.

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				3487:Mem Associated 3488:Micr Associated cells,
11	873	DU_J19_PHD_BIOSCI_Q11	Central – Supramolecular Associated Clusters and Peripheral-Suramolecular Associated clusters relate to:	3489: Gen maturation 3490:Gene maturation 3491:miRN Introns for immunity. 3492:Spec in the imm
12	874	DU_J19_PHD_BIOSCI_Q12	Atopic individuals are:	3493: Pron 3494:Pron autoimmu 3495:Tole allergy, 3496:Tole infection,
13	875	DU_J19_PHD_BIOSCI_Q13	MAGE, PRAME and NY-ESO-1 are examples of	3497: Alle 3498:Virul of Staphyl aureus, 3499:Tum 3500:B ce marker,
14	876	DU_J19_PHD_BIOSCI_Q14	CD69 and Ki-67 are	3501: T ce markers, 3502:B ce markers,

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				3503:Dend activation 3504:Macr activation
15	877	DU_J19_PHD_BIOSCI_Q15	T-bet and GATA are:	3505: Tran factors tha helper cell helper cell differentiat respectivel 3506:Tran factors tha helper cell helper cell differentiat respectivel 3507:Cyto regulate ce differentiat plasma cel memory ce respectivel 3508:Prote by cytotox kill infecte macrophag
16	878	DU_J19_PHD_BIOSCI_Q16	MyD88, IRAK1 and IRAKM are molecules that belong to the:	3509: B ce induced sig pathway. 3510:T cel induced sig pathway. 3511:EGF induced sig pathway.

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				3512:Toll l induced sig pathway.
17	879	DU_J19_PHD_BIOSCI_Q17	HVEM and LIGHT are	3513: Cos molecules immune re 3514:Tran factors tha immune re 3515:Kina regulate in responses. 3516:Phop regulate in response.
18	880	DU_J19_PHD_BIOSCI_Q18	Plasmid stability in cells is maintained by	3517: Rep 3518:Ori g 3519:Par, 3520:Rop,
19	881	DU_J19_PHD_BIOSCI_Q19	DNA ligase	3521: Syth in 5'- 3' di 3522:Facil Phosphodi 3523:Main supercoilin 3524:Prev from restri endonuclea digestion.
20	882	DU_J19_PHD_BIOSCI_Q20	The reaction of water with ethylene oxide yields in the presence of acid	3525: 1,2- 3526:Etha

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				3527:Acet 3528:Acet
21	883	DU_J19_PHD_BIOSCI_Q21	A transition state of high energy is formed in the following reaction	3529: SN1 3530:SN2, 3531:E1, 3532:None
22	884	DU_J19_PHD_BIOSCI_Q22	Crystal violet is used	3533: as a indicator, 3534:to dy wool, 3535:for d 3536:as a
23	885	DU_J19_PHD_BIOSCI_Q23	Formation of turbidity on reaction of a plant extract with Phosphomolybdic acid indicates the presence of	3537: an a 3538:a ph 3539:a ca 3540:a trit
24	886	DU_J19_PHD_BIOSCI_Q24	The reaction of Lithium acetylide with n-Butyl bromide yields	3541: 1-Pe 3542:1-He 3543:1-He 3544:1-Bu
25	887	DU_J19_PHD_BIOSCI_Q25	The reaction of benzoic acid and sodium bicarbonate yields	3545: Ben 3546:Sodi , 3547:Benz 3548:1-Ph
26	888	DU_J19_PHD_BIOSCI_Q26	Aniline reacts with 2 moles of Methylchloride to yield	3549: N,N dimethylan 3550:Tolu 3551:4-Me

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				3552:2,4- Dimethylar
27	889	DU_J19_PHD_BIOSCI_Q27	n-Butane reacts with Sulphur at 560oC to yield	3553: Buta 3554:Dibu 3555:Thio 3556:None
28	890	DU_J19_PHD_BIOSCI_Q28	LDA is used as	3557: A ba 3558:An a 3559:A de agent, 3560:None
29	891	DU_J19_PHD_BIOSCI_Q29	Some neurons in the vagus nerve terminate on sinoatrial (pacemaker) cells in the heart. These neurons secrete acetylcholine, which ultimately results in a decreased heart rate. This is an example of	3561: Neu 3562:Exoc 3563:Endo 3564: Hor Control,
30	892	DU_J19_PHD_BIOSCI_Q30	During isotonic contraction of a skeletal-muscle fibre the	3565:Sarc shorten. , 3566:A ba 3567:I bar 3568:Sarco shorten and shorten. ,
31	893	DU_J19_PHD_BIOSCI_Q31	According to the Frank-Starling mechanism of the heart,	3569:the l ejects a la of blood w systole tha ventricle.,

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				3570:the i of the hea pacemake beats/min. 3571:card increases increased 3572: stro increases increased return..
32	894	DU_J19_PHD_BIOSCI_Q32	In order for the lungs to function normally, the intrapleural pressure must	3573: be l alveolar pr 3574:be b and +10 m atmospher 3575:alter between b than and g atmospher 3576:chan respiratory the body c
33	895	DU_J19_PHD_BIOSCI_Q33	Most of the CO2 that is transported in blood	3577: is di the plasma 3578:is bo hemoglobi 3579:is in acid., 3580:is in ion..
34	896	DU_J19_PHD_BIOSCI_Q34	Which is true about composition of Blood	3581:Plasm Protein/WB 45% ,

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				3582:Plasr Protein/WE 47% , 3583:Plasr Protein/WE 51% . 3584:Plasr Protein/WE 65% .
35	897	DU_J19_PHD_BIOSCI_Q35	Erythropoietin secretion is stimulated by	3585: Low volume, Ar blood flow, 3586:Low excess blo 3587:Pulm diseases, hypererythr excess blo 3588:Low volume, hypererythr pulmonary
36	898	DU_J19_PHD_BIOSCI_Q36	Mendel's principle of dominance stated that when an individual has a hybrid genotype, it will only express thedominant trait in its phenotype. Which of the following types of inheritance do not agree with this principle? I) co-dominance II) multiple alleles III) incomplete dominance	3589:I and 3590:II an 3591:I and 3592:I, II
37	899	DU_J19_PHD_BIOSCI_Q37	Chromosomes found in the salivary gland of Drosophila is	3593:Lamp 3594:Polyt 3595:Supe 3596:B-ch
38	900	DU_J19_PHD_BIOSCI_Q38	Drosophila has four pairs of chromosomes. How many linkage groups does it have	3597: Eigh 3598:Four

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		CI_Q38		3599:One pairs of ch 3600:One the pairs o chromoson
39	901	DU_J19_PHD_BIOSCI_Q39	During the development, if a cell has committed to a particular fate, it is said to be	3601:Pluri 3602:totip 3603:dete 3604:diffe
40	902	DU_J19_PHD_BIOSCI_Q40	The initial dorsal ventral axis in amphibian embryo is determined by	3605: the sperm ent 3606:grav 3607:the contact wi 3608:gene difference
41	903	DU_J19_PHD_BIOSCI_Q41	Gram Positive bacteria	3609:Have membrane retain the stain. 3610:Have layers of p that help r crystal viol 3611:Have capsule th crystal viol 3612:Have space that crystal viol

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42	904	DU_J19_PHD_BIOSCI_Q42	Plasmids are important to many bacteria because	3613:They genes that host a sele advantage 3614:They bacteria dr . 3615:None above , 3616:Both render bac resistant) may carry give their selective a
43	905	DU_J19_PHD_BIOSCI_Q43	Magnetosomes present in some bacteria	3617: Help to metal o 3618:help magnetica each other 3619:Help on the sur water bodi 3620:Help orient in e magnetic f
44	906	DU_J19_PHD_BIOSCI_Q44	Action of traditional NSAID's	3621: Inhi 3622:Inhib 3623:Do n COX-1 or C 3624:Both 1 and Inhi

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45	907	DU_J19_PHD_BIOSCI_Q45	Which of the following is an Antihistamine?	3625: Chlorpheni 3626:Pseu 3627:Glyc 3628:Epin
46	908	DU_J19_PHD_BIOSCI_Q46	What is bioavailability?	3629: The available d used for bi testing. 3630:The medication blood that to produce 3631:The blood that for transfu 3632:The drug that i biometrica in your blo
47	909	DU_J19_PHD_BIOSCI_Q47	Which of the following is the primary site of activity for the drug Warfarin?	3633: Kidn 3634:Liver 3635:Bloo 3636:Hear
48	910	DU_J19_PHD_BIOSCI_Q48	The LD50 is calculated from:	3637:aqua response c 3638:ahor –response 3639: a gr response c

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				3640:a log response c
49	911	DU_J19_PHD_BIOSCI_Q49	Potassium sparing diuretics have the primary effect upon which part of the kidney.	3641:Prox convoluted 3642:Loop 3643:Colle 3644:Dista tubule,
50	912	DU_J19_PHD_BIOSCI_Q50	Which of the following is a long-term side effect of amphetamine?	3645: Eup 3646: hair 3647:cons 3648:depr

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