National Board of Examinations

Question Paper Name :	DrNB Medical Genetics Paper3
Subject Name :	DrNB Medical Genetics Paper3
Creation Date :	2021-08-26 19:34:29
Duration :	180
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DrNB Medical Genetics Paper3

Group Number :	1
Group Id :	327187478
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	100
Is this Group for Examiner? :	No

DrNB Medical Genetics Paper3

Section Id :	327187481
Section Number :	1
Section type :	Offline
Mandatory or Optional :	Mandatory

Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	327187485
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 3271873301 Question Type : SUBJECTIVE

Correct Marks : 10

Discuss 'Direct to consumer testing' and your views about it. [5+5]

Question Number : 2 Question Id : 3271873302 Question Type : SUBJECTIVE

Correct Marks : 10

National policy for rare diseases released this year in the country. [10]

Question Number : 3 Question Id : 3271873303 Question Type : SUBJECTIVE

Correct Marks : 10

Discuss second tier and genomic based testing for Newborn screening? What are the challenges in using genomic based testing for newborn screening. [5+5]

Question Number : 4 Question Id : 3271873304 Question Type : SUBJECTIVE

Correct Marks : 10

Discuss various strategies of treatment for Duchenne muscular dystrophy. [10]

Question Number : 5 Question Id : 3271873305 Question Type : SUBJECTIVE

Correct Marks : 10

Use of microarray and next generation sequencing in management of cancers. [5+5]

Question Number : 6 Question Id : 3271873306 Question Type : SUBJECTIVE

Correct Marks : 10

Write about various models used for monogenic disorders. Discuss advantages and limitations of each. [5+5]

Question Number : 7 Question Id : 3271873307 Question Type : SUBJECTIVE

Correct Marks : 10

Genetic counseling for prenatally detected sex chromosomal abnormalities. [2+2+2+2+2]

Question Number : 8 Question Id : 3271873308 Question Type : SUBJECTIVE

Correct Marks : 10

A child with developmental disability and anal atresia (operated) was evaluated for genetic etiology by whole exome sequencing. No causative (pathogenic or likely pathogenic) variant was identified. What are the further investigations and what are the possible genetic variants? [3+7]

Question Number : 9 Question Id : 3271873309 Question Type : SUBJECTIVE

Correct Marks : 10

Discuss fetal gene therapy and fetal stem cell transplantation. Discuss psycho-social issues in genetic counseling. [5+5]

Question Number : 10 Question Id : 3271873310 Question Type : SUBJECTIVE

Correct Marks : 10

Which are disorders due to chromatin modeling abnormalities? What is DNA methylation signature? What is its use in diagnostics? [4+3+3]