

SET	C
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INDIAN SCHOOL MUSCAT
HALF YEARLY EXAMINATION 2022
044 BIOLOGY

CLASS:XII

Max.Marks: 70

MARKING SCHEME			
SET	QN.NO	VALUE POINTS	MARKS SPLIT UP
C	1	Failure of segregation of chromatids during cell division cycle results in the gain or loss of a chromosomes.	1
	4	Lippes loop	1
	7	c	1
	8	b	1
	10	5' GCUAUCGU 3'	1
	19	Spermatogonia – develops into spermatozoa Sertoli cells – provide nourishment to the developing sperms	1
	20	Central cell, 3 antipodals, egg apparatus (one egg and 2 synergids)	½ x 4
	22	Dispersal, protection of embryo	1+1
	26	Degenerate,universal, unambiguous (any two)	1+1
	28	Blastocyst. Trophoblast and inner cell mass The trophoblast layer gets attached to the endometrium. After attachment the uterine cells divide rapidly and covers the blastocyst. As a result, the blastocyst becomes embedded in the endometrium of the uterus.	1+ ½ + ½ +1
	30	Process of evolution of different species in a given geographical area starting from a point and literally radiating to other areas of geography (habitats) is called adaptive radiation. Eg. A number of marsupials each different from the other evolved from an ancestral stock, but all within the Australian island continent.	1+1+1