

	a) Freshwater plant cal	led water lilv	b)Marine plant called water propagules		
	c) Aquatic plant called	5	d) None of the above		
15.	A scion is grafted to sto	ock. The quality of fruits j	produced will be determined by the genotype of:		
	a) Stock		b)Scion		
	c) Both stock and scion		d) Neither stock nor sci	on	
16.	Oestrus cycle is cyclic c	hanges in the activities o	of ovaries and accessory	duct during	
	a) Reproductive (seaso	nal) period	b) Maturation period		
	c) Ageing period		d) Juvenile period		
17.	'Unisexual female flowe	er is called staminate'. Th	he above statement is		
	a) True		b)False		
	c) Sometimes (a) and s		d)Neither (a) nor (b)		
18.	Animals giving birth to				
	a) Oviparous	b) Ovoviviparous	c) Viviparous	d) Both (B) and (C)	
19.	Pollination is				
	a) Transfer of gametes	•	b) Transfer of male gan	0	
	c) Transfer of female ga	-	d) Fusion of male and fe	emale gametes	
20.		en vegetative reproduct	•		
	a) Both occur round the	•		ny identical to the parent	
	c) Both are applicable t	• •	d) Both bypass the flow	• ·	
21.		plants can be vegetativel			
	a) Bryophyllum and K		b) Chrysanthemum an	-	
	c) Agave and Kalanche		d) Asparagus and Bryo	ophyllum	
22.		of vegetative propagatio			
0.0	a) Micropropagation	b) Sowing	c) Budding	d) Layering	
23.		echnique for the produc		d) Como o dono don lon to	
24	a) New plant	b) Haploid pants	c) Hybrid variety	d) Somaclonal plants	
24.	Largest bird is:			d) Ostriak	
25	a) Emu	b)Penguin	c) Kiwi	d) Ostrich	
25.	Diploid zygote is univer				
	a) All sexually reproduc				
	b) All asexually reprodu		isms		
	d) All plants and anima	ually reproducing organ	121112		
26	, ,	male and female parts p	prosont on the different r	lant is called	
20.	a) Heterothallic	b) Dioecious	c) Unisexual	d) All of these	
27	Cell division is the mod	-	c) offiscada		
27.	a) Monera	b) Protista	c) Both (a) and (b)	d) Plants	
28	Man is:	0/11011318		u) riants	
20.	a) Unisexual	b) Bisexual	c) Hermaphroditic	d) Protogynous	
29	Events in the sexual rep	-	c) normaphi oditic	d)Trotogynous	
27.	I. Pre-fertilisation				
	II. Fertilisation				
	III. Post-fertilisation				
	The sequential order of	f their occurrence is			
	a) $ \rightarrow \rightarrow $	b) II \rightarrow I \rightarrow III	c) \rightarrow \rightarrow	d) I \rightarrow II \rightarrow III	
30.	Asexual reproduction is	s carried out by:			
	a) Single parent		b) Without fusion of gai	metes	
	c) With or without forn		d) All of above		
31.	The living organisms ca	an be unexceptionally dis	stinguished from the nor	n-living things on the	

	basis of their ability fo						
	a) Interaction with environment and progressive evolution						
	b) Reproduction						
	c) Growth and movem						
	d) Responsive to touch						
32.	Fusion of male and fen	nale gametes is called					
	a) Syngamy	b) Fertilization	c) Both (a) and (b)	d) Heterogamy			
33.	Meiosis takes place in:						
	a) Conidia	b) Gemmule	c) Megaspore	d) Meiocyte			
34.	Which one is female ga	ametophyte?					
	a) Embryo	b) Embryo sac	c) Endosperm	d) Synergid			
35.	Callus is a						
	a) Organized mass of t	he cell	b) Differentiated mass	of the cell			
	c) Dedifferentiated ma	ss of the cell	d) Undifferentiated ma	ss of the cell			
36.	The technique of obtai	ning large number of pla	ntlets by tissue culture r	nethod is called			
	a) Plantlet culture	b) Organ culture	c) Micropropagation	d) Macropropagation			
37.	Stem cuttings are emp	loyed in the propagation					
	a) Banana	b) Mango	c) Sugar cane	d) Cotton			
38.	Embryogenesis is the	process of development of	-				
	a) Embryo	b) Endosperm	c) Individual	d) Internal organs			
39.		is correct about Neela K	,	, 5			
	a) Last time it was flow		j.				
		e flower in Sept-Oct.201	8				
		Tamil Nadu and Karnata					
	d) All of the above						
40.	Vegetatively propagate	ed plants:					
	a) Clone of their paren	•	b) Show adaptive varia	tions			
	c) Better fitted for stru		d) Stouter than parents				
41.	Menstrual cycle is	55	,				
	a) Seasonal hormonal	ovarian change	b)Conditional hormon	al ovarian change			
	c) Periodic hormonal c	v	d) Habitual hormonal c	-			
42.		aploid then the gametes a	•				
	a) Haploid	b) Diploid	c) Triploid	d) None of these			
43.	Which of the following	· ·	-,	-,			
	a) Banyan tree	b) Amoeba	c) Euglena	d) Paramecium			
44.	-	linating agents seed-sett	-	,			
	a) Zostera	b) Salvia	c) Fig	d) Commellina			
45.	,	er viruses as living entit	, ,	-,			
	a) Respire		b)Can cause diseases				
	c) Reproduce (inside h	lost)	d) Respond to tough en	vironment			
46.	Where does syngamy of						
			c) Both (a) and (b)	d) None of these			
47	a) Exfernal medium						
47.	a) External medium Micropropagation is a			,			
47.	Micropropagation is a	technique:					
47.	Micropropagation is a a) For production of tr	technique: ue to type plants	b)For production of ha	ploid plant			
	Micropropagation is a a) For production of tr c) For production of sc	technique: ue to type plants omatic hybrids		ploid plant			
	Micropropagation is a a) For production of tr c) For production of so Scion is the term used	technique: ue to type plants omatic hybrids in relation to:	b)For production of ha d)For production of so	ploid plant maclonal plants			
48.	Micropropagation is a a) For production of tr c) For production of so Scion is the term used a) Embryology	technique: ue to type plants omatic hybrids in relation to: b) Grafting	b) For production of had) For production of soc) Agamospermy	ploid plant			
48.	Micropropagation is a a) For production of tr c) For production of so Scion is the term used a) Embryology	technique: ue to type plants omatic hybrids in relation to:	b) For production of had) For production of soc) Agamospermy	ploid plant maclonal plants			

- 50. Female gamete undergoes development to form new organisms without fertilization. The process called parthenogenesis. It occurs in:
- 51. Isogamous condition with non-flagellated gametes is found in: a) Spirogyra b) Volvox c) Fucus
- 52. Which of the following statement support the view that elaborate sexual reproductive processes appeared much later in organic evolution?

d) Chlamydomonas

d) II and III

I. Lower groups of organisms have complex body design

II. Asexual reproduction is common in lower groups

III. Asexual reproduction is common in higher groups of organisms

IV. High incidences of sexual reproduction are visible in angiosperms and vertebrates

a) I and II b) I and IV c) II and IV

53. Name the plants, the structures of which are given in the previous question and select the correct answer the given option

A		В		С		D)	Ε		
a)	Po	t	Gi	n	Bryo	р	Wate		Agav	е
	-		-		-		hyaci	-		
	ato)	ge	r	hyllu	1	nth			
					т					
b)	Po	t	Gi	n	Wate	r	Agav	е	Bryo	р
	-		-		-		-		-	
	ato)	ger		hyaci				hyllu	
			-		nth				m	
c)	Po	t	Gi	n	Bryo	р	Agav	е	Wate	r
	-		-		-	-	-		hyaci	-
	ato)	ge	r	hyllu				nth	
			-		m					
d)	Po	t	Gi	n	Agav	е	Bryo	р	Wate	r
	-		-		5		-		hyaci	-
	ato)	ge	r			hyllu		nťh	
			-				m			

54. Parameters of old age are a) End of reproductive phase b) Concomitant changes in the body c) Slowing down of vital process d) All of the above 55. Bud grafting is commonly used in: a) Litchi b) Pomegranate d) Jasmine c) Rose 56. Immortal individuals are a) Single celled organisms b) Double celled organisms d)Green plants c) Multi-celled organisms 57. Air layering is performed in case of: a) Jasmine b) Grapevine c) Goose berry d) Litchi 58. Product of sexual reproduction generally generates: b) New genetic combination leading to variation a) Prologned dormancy d) Longer viability of seeds c) Large biomass 59. When mature anthers of Datura inxonia are cultured in a culture medium supplemented with phytohormone named kinetin, coconut milk and plum juice, several embryos can be obtained floating inside the microsporangia. These embryos can develop into plants that are: a) Haploid b) Diploid c) Tetraploid d) Both (A) and (B) 60. In papaya, the flowers, are: a) Unisexual b)Bisexual c) Neuter d) Flowers are not formed 61. In oviparous individuals the fertilized egg is covered by

	a) Calcareous shell b) Phosphorus cell	c) Both (a) and (b)	d) Hard shell
62.	Improved method of grafting is:		
	a) Both scion and stock plants are allowed to	b) Stock and scion are g	given oblique cuts
	remain intact		
	c) Both (A) and (B)	d) None of the above	
63.	Banana is multiplied by means of:		
	a) Seeds b) Leaf margins	c) Rhizome	d) Offsets
64.	Breeding of crops with high levels of minerals,	•	called:
	a) Somatic hybridization	b)Bioforfication	
	c) Micropropagation	d)Biomagnification	
65.	Life begin in all sexually reproducing organism		
	a) Single celled zygote b) Double celled zygote		d) From gametes
66.	Konar and Nataraja demonstrated callus <i>i. e.</i> , er	•	so develops from:
	a) Pith cells	b)Mesodermal cells	
	c) Epidermal cells of hypocotyl region	d)Cortex cells	
67.	Clones are		
	a) Morphologically similar individuals	b)Genetically similar i	ndividuals
	c) Both (a) and (b)	d) None of the above	
68.	Micropropagation is based on:		
	a) Tissue culture b) Hybridization	c) Microtomy	d) Genetic control
69.	Grafting is attempted in those plants which sho	W:	
	a) Adventitious roots	b)Buds	
	c) Folliage leaves and herbaceous stems	d) Secondary growth	
70.	Chances of survival of young ones is greater in:		
	a) Fishes	b)Eutherian mammals	
	c) Birds	d) Amphibians	
71.	In potato, vegetative propagation takes place by	y:	
	a) Root b) Leaf	c) Grafting	d) Stem tuber
72.	Offsprings formed by sexual reproduction exhil	bit more variation than t	hose formed by asexual
	reproduction because		
	a) Sexual reproduction is a lengthy process		
	b) Gametes of parents have quantitatively different	rent genetic compositior	1
	c) Genetic material comes from two parents of	same species	
	d) Greater amount of DNA is involved in sexual	reproduction	
73.	Syngamy means:		
	a) Fusion of similar spores	b) Fusion of dissimilar	spores
	c) Fusion of cytoplasm	d) Fusion of gametes	
74.	'Gemmule formation is a common mode of repr	roduction in Paramecium	<i>m'</i>
	a) True	b)False	
	c) Sometimes (a) and sometimes (b)	d)Neither (a) nor (b)	
75.	Strobilanthus kunthiana is also called		
	a) Neela Kuranji b) Peela Kuranji	c) Hara Kuranji	d) Violet Kuranji
76.	Hydra reproduces by binary fission. This sente	ence is	
	a) True	b)False	
	c) Sometimes (a) and Sometimes (b)	d)Neither (a) nor (b)	
77.	Vegetative type of reproduction means:		
	a) Plant portion is used as a means of propagati	ion	
	b) Seed is used as a means of propagation		
	c) Flower is used as a means of propagation		

d) None of the above

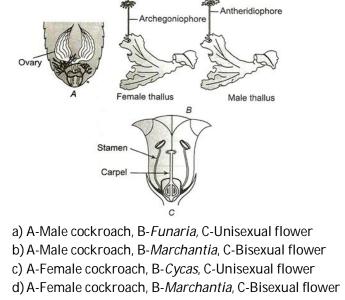
	d) None of the above			
78.	Transverse binary fiss	ion occurs in		
	a) Euglena	b) <i>Amoeba</i>	c) Hydra	d) Paramecium
79.	In vegetative propagat	ion, characters of parent	t plants are:	
	a) Changed	b) Not preserved	-	d) Exchanged
80.	• •		tion in which participatio	÷
	a) One individual	b) Two individuals	c) Multi-individuals	d) Meiosis
81	•	roduction in <i>Penicillium</i>	-	
0	a) Conidia	b) Buds	c) Gemmules	d) Zoospore
82	An example of corm is		0) 00111110100	
02.	a) Ginger	b) <i>Colocasia</i>	c) Onion	d) Potato
83	Corm is modification of		oy official	d) i otato
00.	a) Root	b) Leaf	c) Stem	d) Bud
84	Female gametes are al		oj otom	d) Ddd
04.	a) Egg	b) Ovum	c) Both (a) and (b)	d) Antherozoid
85		have haploid plant body		
00.	a) Monera		b)Fungi	
	c) Algae and Bryophyt	20	d) All of above	
86		alue of vegetative propa		
00.		duction of genetic variat		
		-		ly identical to the parent
		0 0 1 1	ack of diseases and prac	
	d) It is an ancient prac		ack of diseases and plac	
07			mbrue from the guarte [Juring this process zugota
07.	• • •		indi yo nom the zygote. L	During this process zygote
	undergoes:		h) Call division (mitasi	
	a) Meiosis		b)Cell division (mitosi	5)
00	c) Cell differentiation		d)Both (B) and (C)	
00.	Embryo sac is found in			d) Cood
00	a) Endosperm	b) Embryo	c) Ovule	d) Seed
89.	<i>Hydra</i> reproduces ase		a) Dinany fissian	d) Charulatian
00	a) Fragmentation	b) Budding	c) Binary fission	d) Sporulation
90.	Eyes on the potato, sug		h) Condonad interna	le le
	a) Condensed nodes		b)Condensed internoc	16
01	c) Interspread rhizom		d) Interspread corm	
91.		wing is correctly matche		opidio
	a) Ginger-Sucker		b) Chlamydomonas-C	UIIIUIA
02	c) Yeast-Zoospores	aallad	d)Onion-Bulb	
92.	Period of pregnancy is		a) Dra natant nariad	d) Diastulation
02	a) Gestation period	b) Incubation period	c) Pre-patent period	d) Blastulation
93.	Menstrual cycle is com		-) 20 D	
0.4	a) 30 Days	b) 31 Days	c) 28 Days	d) 27 Days
94.	Reproduction is	с I '		
	• •	f producing young ones		
		ess of producing young o		
	• •	f producing mature ones	5	
<u> </u>	d) None of the above			
95.		called Terror of Bengal?	<i>!</i>	
	a) It is being used as fo	bod for fish		
	1 \ 11	C 111 1 1 1 1		
	b) It consumes oxygen	from cultivated plant an	nd destroy them	

c) It consumes oxygen from water and decreases O₂ concentration in water d) It is a weed

- 96. Development of fruit without fertilization is called: a) Cell division b) Cell culture
 - c) Parthenocarpy

d) Parthenogenesis

97. Give the name of the following diagram



- 98. In diploid organism the gamete producing cells are called a) Gamete mother cell b) Meiocytes c) Both (a) and (b)
 - d) None of these
- 99. Clone is a group of individuals got through: a) Self pollination b)Cross pollination c) Vegetative propagation d)Hybridization 100.Zoospores are

a) Motile gametes

c) Sessile gametes

b) Female motile gametes d) Female sessile gametes

	MPORT	ANT P	RACTI	CE QUE	STI	ON SERI	ES FO	R NEET EXAM - 1 (ANSWERS)
1)	а	2)	а	3)	а	4)	а	
5)	b	6)	b	7)	d	8)	d	
9)	b	10)	С	11)	а	12)	b	

13)	b	14)	С	15)	b	16)	а
17)	b	18)	С	19)	b	20)	b
21)	а	22)	b	23)	d	24)	d
25)	а	26)	d	27)	С	28)	а
29)	d	30)	d	31)	b	32)	С
33)	d	34)	b	35)	d	36)	С
37)	С	38)	а	39)	d	40)	а
41)	С	42)	а	43)	а	44)	С
45)	С	46)	С	47)	С	48)	b
49)	b	50)	d	51)	а	52)	С
53)	d	54)	d	55)	С	56)	а
57)	а	58)	b	59)	b	60)	а
61)	d	62)	С	63)	С	64)	b
65)	а	66)	d	67)	С	68)	а
69)	d	70)	b	71)	d	72)	С
73)	d	74)	b	75)	а	76)	b
77)	С	78)	d	79)	С	80)	а
81)	а	82)	b	83)	b	84)	С
85)	d	86)	d	87)	d	88)	С
89)	b	90)	а	91)	d	92)	а
93)	С	94)	а	95)	С	96)	С
97)	d	98)	С	99)	а	100)	а

1 (a)

As we know that oviparous individuals lay eggs outside the body hence, further development takes place outside.

But, the process of fertilization takes place inside their body

5

(b)

(d)

(b)

(c)

Binary fission is the common mode of reproduction in bacteria and Protista. *It may be of many types*

Irregular binary fission – Amoeba

Longitudinal binary fission – Euglena

Transverse binary fission – Paramecium

7

Name of plants	Types of Reproduction /Characteristics
Potato	Tuber
Ginger	Rhizome
Agave	Bulbil
Bryophyllum	Leaf buds
Water	Offset
hyacinth	

9

False. **Staminate** are the unisexual male flower/or plant which produces the male gametes only called staminate plant

10

Fishes are dioecious so no self - fertilisation. Earthworm, liverfluke, leech all are hermaphrodite but hermaphrodism is not necessary to give rise to self - fertilisation. In

given options only liverfluke does self - fertilisation

12 **(b)**

New organism without fertilization is called parthenogenesis, e.g., Ant, bees, termites

13 **(b)**

In internal fertilization syngamy takes place inside the body of female reproductive tract. It is direct protection from the environment to the developing progeny

14 **(c)**

'Terror of Bengal' is the aquatic plant (water hyacinth) introduced in Bengal for its beautiful leaves and flower. But it grows very faste and consumes O_2 from water. Due to which lot of fish died. That's why it was called Terror of Bengal

16 **(a)**

Generally, the oestrus cycle takes place in the seasonal breeders. It is the cyclic change in the activity of ovaries and accessory duct during reproductive (seasonal) period

17 **(b)**

False. Pistillate are unisexual female plant. These plant produce only female flower

19 **(b)**

Transfer of male gametes (pollen) to the receptacle (stigma) of the female is called pollination

Generally, the pollination takes place by various means like air/ water / animals / insects, etc.

23 **(d)**

Production of plant by culturing the cells in laboratory is called micropropagation It is also called **tissue culture**. In this technique the plants are genetically similar to parent one. That's why called somaclonal plants

25 **(a)**

Presence of diploid zygote is universal in all sexually reproducing organism. Irrespective of the fact that, the parents are haploid or diploid.

In haploid parent condition, the diploid zygote undergoes meiosis and become haploid body again, while in diploid organisms, the diploid zygote changes to diploid individual after undergoing mitosis

26 **(d)**

Heterothallic/dioecious/unisexual term used when the sexes present on different organisms called male and female

The archegonia and antheridia term used in case of lower organism

27

(c)

In cell division the cell divides into two parts having same genetic constituent. Only Monera and Protista are the organisms, which are single celled in five kingdom of classification. That's why cell division is the common mode of reproduction in Monera and Protista **(d)**

29

32

Sequential events in the sexual reproduction are Pre-fertilisation (event before the fertilisation)

Gametogenesis Gamete transfer Fertilisation → Union of male and female gametes Post-fertilisation (event after the fertilisation) Zygote Embryogenesis (c) Syngamy and fertilization both the terms are used interchangeably, for the fusion of male and female gametes

35

(d)

Propagation by plant Tissue Culture (micropropagation) includes propagation of plants by culturing the cells, tissue, etc.

Initially the culturing of cells or tissue results in the formation of an undifferentiated mass of cell called **callus**, which differentiate to produce large number of plantlets

36 **(c)**

In micropropagation (tissue culture) there is the origin of an individual plant from few cells, so in laboratory many plants could be propagated in little time.

This technique basically used for the plants, which are endangered

38 **(a)**

Embryogenesis refers to the development of embryo from the zygote. During embryogenesis, zygote undergoes cell division (mitosis) and cell differentiation. Cell division of zygote is called **cleavage**

39 **(d)**

All are correct

Strobilanthus kunthiana also called Neela Kuranji in local language. It is found in Kerala, Maharashtra, Tamil Nadu. It reproduce once in 12 yr

Last time it was reproduced in Sept-Oct, 2006 and produced blue flower in massive quantity. It attracted tourist because all of the area appeared blue

41

(c)

(c)

(c)

Menstrual cycle is the periodic hormonal ovarian change. It takes place in every month in the primates Stopping of menstrual cycle is called menopause

42 **(a)**

Irrespective of the fact whether plant is haploid or diploid, it has haploid gametes Haploid parent Diploid plant

Mitosis cell division Meiosis cell division

Haploid gametes Haploid gemetes

In mitotic cell division the chromosome number remains the same. In meiotic cell division the chromosomes number becomes half

46

Syngamy (fertilisation) fusion of male and female gametes is called syngamy or fertilization. *It is of two types*

(i) **External Fertilisation** When the syngamy takes place in the external medium. Generally, the external medium is water, *e.g.*, Amphibians, fishes

(ii) **Internal Fertilisation** When the syngamy takes place inside the female body, *e.g.*, Reptiles, bird, mammals.

52

Statement I It is incorrect. The correct sentence is 'lower groups of organisms have simple body forms'.

Statement II It says the organisms, which evolve earlier reproduced by asexual mode of reproduction because of their simpler body plans

Statement III It is wrong sexual reproduction is common in higher organism **Statement IV** It says that in complex organism or organism, which evolve later have the complex body plan and they reproduce by means of sexual reproduction which is complex than the asexual one

53 **(d)**

A-Potato, B-Ginger, C-Bryophylllum, D-Water hyacinth, E-Agave

Name of plants	Types of Reproduction /Characteristics
Potato	Tuber
Ginger	Rhizome
Agave	Bulbil
Bryophyllu	Leaf buds
m	Offset
Water	
hyacinth	
(d)	•

54

Old age is the phase in life span which occur before death and after maturity period. In old age almost all of the vital processes starts slowing down. Gamete formation also stops in old age

56

(a)

(a)

Prokaryotes (bacteria) and Protista are single celled organisms. Their mode of reproduction is cell division. In them the parent body as a whole constitute the reproductive unit and divided into two by various mode. So, they are immortal

61 **(d)**

As we know oviparous individuals lay eggs with white hard shell around it and this white hard shell is made up of calcium

65

Zygote considered as the single cell with two nuclei. Because zygote is the union of male and female gametes, which are haploid

Two haploid cell fuse form diploid cell. That's way it considered as single cell and from zygote every organism begin their life

67 (c)

Morphologically and genetically similar organisms are called **clones** These are produced through asexual reproduction which is the type of reproduction where there is the participation of only single organism

72 **(c)**

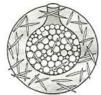
Sexual reproduction is characterized by genetic recombination. Due to genetic recombination the progeny is different from the parents.

In sexual reproduction the genetic material comes from the two parents of same species. But in asexual reproduction only one individual participate to produce offspring

74

(b)

False **Gemmule formation** is the type of reproduction in which the buds are formed with in the parent body, *e.g.*, Sponge



Gemmule formation in sponge

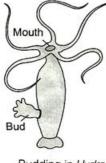
75 **(a)**

Strobilanthus kunthiana also called Neela Kuranji in local language. It is found in Kerala, Maharashtra, Tamil Nadu. It reproduce once in 12 yr

Last time it was reproduced in Sept-Oct, 2006 and produced blue flower in massive quantity. It attracted tourist because all of the area appeared blue

(b)

False. Because in *Hydra* the common mode of reproduction is bud formation which is the small outgrowth attach to parent body externally



Budding in Hydra

78

(d)

(a)

(a)

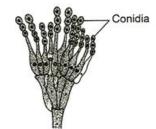
Irregular binary fission – *Amoeba* Longitudinal binary fission – *Euglena* Transverse binary fission – *Paramecium*

80

Participation of one individual Morphologically and genetically similar organisms are called clones These are produced through asexual reproduction which is the type of reproduction where there is the participation of only single organism

81

Conidia are non-motile gametes found singly or in chain on the parent body, *e.g., Penicillium*

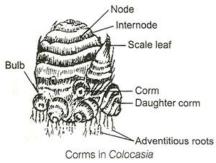


Conidia formation in Penicillium

82

(b)

Corms are the unbranched rounded underground stems. They buds for daughter plants. Axillary buds occur at places. Their base contains a number of adventitious roots



84 **(c)**

Female gametes are called ovum in case of higher organism. The term egg is also used. Interchangeably Archegonia also used for female gametes containing organs but in case of lower organism, *i.e.*, Bryophytes and pteridophytes

(a)

Reproduction is one of the fundamental processes in which individual produces a young one

95 **(c)**

Water hyacinth consumes oxygen from water and decreases its O₂ content. 'Terror of Bengal' is the aquatic plant (water hyacinth) introduced in Bengal for its beautiful leaves and flower. But it grows very faste and consumes O₂ from water.

Due to which lot of fish died. That's why it was called Terror of Bengal

97 **(d)**

A-indicate female cockroach because leaf like structure of ovary is distinguished character of female cockroach. B-plant body is thalloid and sexes are separate indicates *Marchantia* C-Male and female gametes on same plant so monoecious or bisexual flower

98

(c)

(a)

Gamete mother cells are called gamete producing cells. In these the meiotic cell division takes place. Hence, they are also called meiocytes

100

Zoospore zoo-motile, *spore*—minature gamete. Generally, male gametes are motile. They are commonly found in the fungi and animal kingdom

Sessile spore are generally female gametes. Here, one must understand that zoospores are not differentiated to male and female

Flagella (which gives the motality) Zoospore