## Source: Chapter-01 Reproduction in organisms

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In which of the following mammal estrous cycle is absent:

	(a) cow	(b) horse	(c) monkey	(d) rabbit			
	Ans: c						
2.	Identify the incorrect statement.						
	a. In asexual reproduction, the offspring produced are morphologically and genetically identical to the parent						
	b. Zoospores are sexual reproductive structures						
	c. In asexual reproduction, a single parent produces offspring with a without the formation of gametes						
	d. Conidia are asex	xual structures in Penici	llium	.1			
	Ans: b		cips				
3.	Asexual reproductive structure of sponge:						
	(a) Gemmules	(b)conidia	(c)bulb	(d)none of these			
	Ans: a						
		in.	, C				
4.	Which of the following is developed by parthenogenesis:						
	(a)Drones	(b) green honey bee	(c)worker honey bee	(d) both b and c			
	Ans: a	.05//					
5.	is formed in mediately after fertilization						
	(a) morula	(b)blastula	(c)zygote	(d) foetus			
	Ans: c						
	<10.						
6.	The process which results the formation of zygote						
	(a) Isogamy	(b) Anisogamy	(c) Triple fusion	(d) Syngamy			
	Ans: d						
7.	Which of the following is not an asexual reproductive structure?						
	(a) zoospores	(b) pollen	(c) buds	(d) conidia			
	Ans: b						
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8.	Parthenogenesis is the (a) Female gametes Ans: a	ne development of an o  (b) Vegetative cells	rganism directly from: (c) Fertilized ovum	(d)none of these		
9.	Which of the following	ing organism reproduce	es by multiple fission?			
	(a) Euglena Ans: d	(b) Paramecium	(c)Trypanosoma	(d) Plasmodium		
10.	Which type of stem 1	modification is seen in	banana?	26/1/2		
	(a) stem tuber Ans: d	(b) bulb	(c)corn	(d) rhizom		
11.	Which animals have	Which animals have developed capacity of regeneration?				
	(a) Hydra, Starfish Ans: a	(b) Plasmodium	(c) Leech (DO	(d) Paramoecium		
12.	Sporulation occurs in					
	(a) Plasmodium	(b) Hydra	(c) Starfish	(d) Spongilla		
	Ans: a	in,	Σ,			
13.	Which plant reproduces vegetary by roots?					
	(a) Oxalis	(b) Bryophyllum	(c) Onion	(d) Dahlia		
	Ans: d	162,				
14.	Which plant performs vegetative reproduction with the help of floral buds?					
	(a) Agave	(b) Bryophyllum	(c) Ginger	(d) Asparagus		
	Aps: 401					
15.	Which part of the plant Bryophyllum performs vegetative reproduction?					
	(a) Stem	(b) Floral buds	-	ts (d) Buds on leaf margin		
	Ans: d					

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16.	Juvenile phase represents the period of						
	a. Growth Ans: a	b. Death	c. Birth	d. None			
	Alis. a						
17.	Either male or fem	nale reproductive organ	ns are found in the boo	ly			
	a. Monoecious	b. Dioecious	c. Meiocyte	d. Syngamy			
	Ans: b			ii.			
18.	Propagules are use	ed to raise		1/9/			
	a. growth	b. new plants	C. old plants	d. all are a live.			
	Ans: b	•	-	100			
10	T' 14	1		171			
19.	Find the monoecic	•	D (1 11 a				
	a. Coconut	b. Cucurbits	c. Both a and b	d. Papaya			
	Ans: c		Sil)				
20.	Identify the mis-match statement regarding post fertilization events from the following statements.						
	(a) Wall of ovary is converted into pericar						
	(b) Outer integument is converted into interendocarp						
	(c) Triploid nucleus develops as enforcem						
	(d) Ovary is developed as fruit						
	Ans: b	601					
21.	In these organisms	calaged	in the surrounding me	edium			
21.			c. Mammals				
	Ans: d	o. / impinotans	c. Manimais	a. Boar a and b			
	10/1						
22.	Charge the correct statement from amongst the following:						
	a. Dioecious (hermaphrodite) organisms are seen only in animals						
	b. Dioecious organisms are seen only in plants						
	c. Dioecious organisms are seen in both plants and animals						
	d. Dioecious organisms are seen only in vertebrates						
	Ans: c						
23.	There is no natural death in single celled organisms like Amoeba and bacteria because:						
	a. They cannot rep	a. They cannot reproduce sexually					

	b. They reproduce by	y binary fission				
	c. They are not diploid					
	d. They are microsco	opic				
	Ans: b					
24.	Amoeba reproduces	•				
	(a) Binary fission	(b) Budding	(c) Sporulation	(d) Both a and c		
	Ans: d			<i>'i</i>		
25.	What are ciliated spo	ores ?		181		
23.	(a) Non-motile spore		(c) Homospores	(d) Hoter Sories		
	Ans: b	cs (b) Zoospores	(c) Homospores	(d) Thickistones		
	THIS. U			11.		
26.	Non-flagellated spor	res are called conidia.	In which organism the	y are seen?		
	(a) Pencillium	(b) Hydra	(c) Amoeba	(d) Chlamydomonas		
	Ans: a	•				
			clk			
27.	Which animals repro	oduce by exogenous bu	idding:			
	(a) Hydra	(b) Spongilla	Plasmodium	(d) Amoeba		
	Ans: b	Š	( )			
		n	<b>7.</b>			
28.	Some unicellular organisms shift to rexual method of reproduction, before the onset of					
	adverse conditions, because					
	a)Sexual reproduction is a timple method b)it involves gamete					
	c) Survival chances are more in sexual reproduction due to variations					
	d) None of these					
	Ans: d	•				
29.	During which proces	ss cyst is formed?				
	(a) Binary fission	(b) Multiple fission	(c) Sporulation	(d) Budding		
	Ans: c					
30.	In which method of reproduction, pseudopodiospores are formed?					
	(a) Binary fission	(b) Multiple fission	(c) Sporulation	(d) Budding		
	Ans: c					

31.	Antherozoids are the gamets formed in					
	a) Algae Ans: d	b) Bryophytes	c) Pteridophytes	d) Both b and c		
32.	During which proce	ss cyst is formed?				
	(a) Binary fission Ans: b	(b) Multiple fission	(c) Sporulation	(d) Budding		
33.	In which method ps	eudopodiospores are fo	ormed ?			
	(a) Binary fission Ans: c	(b) Multiple fission	(c) Sporulation	(d) Budding		
34.	In which organism	nultiple fission is seen	?	illi		
	(a) Paramoecium Ans: b	(b) Plasmodium	(c) Hydra	a Planaria		
35.	Which of the follow	ring is not a natural me	thod of vegetative tep	roduction?		
	(a) Suckers Ans: b	(b) Cutting	(c) Rhahers	(d) Offsets		
36.	Which type of fission	on takes place in Figle	<b>)</b> ?			
	(a) Transversal Bina	ary fission	(b) Longitudinal Bi	nary fission		
	(c) Peripheral Binary fission Ans: b					
37.	The plants which be	ers wo types of hetero	spores during Sporop	hytic stage is known as		
	(a) Aplanospores	(b) Somatic spores				
	Ans: d					
38.	Which of the follow	ring group of animals si	how regeneration ?			
	(a) Planaria, Hydra, Starfish		(b) Starfish, Amoeba, Plasmodium			
	(c) Amoeba, Hydra, Ans: a	Paramoecium	(d) Amoeba, Planar	ria, Starfish		
39.	A few statements describing certain features of reproduction are given below:  i. Gametic fusion takes place					
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42.

ii. Transfer of ge	netic material takes pla	ce				
iii. Reduction div	vision takes place					
iv. Progeny have	some resemblance wit	h parents				
	ns that are true for both	asexual and sexual re	production from the option	1S		
given below:						
(a) i and ii	(b) ii and iii	(c) ii and iv	(d) i and iii.			
Ans: c						
			<b>.</b>			
The term 'clone'	cannot be applied to of	fspring formed by sex	ual reproduction because.			
a. Offspring do r	not possess exact copies	s of parental DNA	.//0	,		
b. DNA of only	one parent is copied and	d passed on to the offs	pring			
c. Offspring are	formed at different time	es	, //			
d. DNA of paren	t and offspring are com	pletely different.	1/1/			
Ans: a			Kai			
Which of the fol	lowing is a post-fertilis	ation event in flowering	o lants?			
a. Transfer of po	llen grains					
b. Embryo development						
c. Formation of flower grains						
d. Formation of pollen						
Ans: b						
	21					
A few statement	s with regard a sexual	reproduction are given	n below:			
i. Sexual reprodu	action does not always a	require two individual	S			
ii. Sexual reprod	uction generally involv	es gametic fusion				
	r cecus during sexual i					
iv. External fert	sation is a rule during	sexual reproduction				
Choose the conect statements from the options below:						

43. A multicellular, filamentous alga exhibits a type of sexual life cycle in which the meiotic division occurs after the formation of zygote. The adult filament of this alga has

(c) ii and iii

(d) i and iv

a. haploid vegetative cells and diploid gametangia

(b) i and ii

- b. diploid vegetative cells and diploid gametangia
- c. diploid vegetative cells and haploid gametangia
- d. haploid vegetative cells and haploid gametangia.

Ans: d

44.	The male gametes of rice plant have 12 chromosomes in their nucleus. The chromosome number in the female gamete, zygote and the cells of the seedling will be, respectively—						
	a. 12, 24, 12	b. 24, 12, 12	c. 12, 24, 24	d. 24, 12, 24.			
	Ans: c						
45.		Given below are a few statements related to external fertilization. Choose the correct statements. i. The male and female gametes are formed and released simultaneously					
	ii. Only a few gametes are released into the medium						
	iii. Water is the 1	nedium in a majority o	f organisms exhibiting	external fertilization			
		iv. Offspring formed as a result of external fertilization have better chance of the ival than those formed inside an organism					
	(a) iii and iv	(b) i and iii	(c) ii and iv	(d) indiv			
	Ans: b		•				
				9//			
46.			ertain features that are	observed in the pistil of flowers			
	i. Pistil may have many carpels						
	_	ii. Each carpel may have more than one ovul					
	iii. Each carpel h	iii. Each carpel has only one ovule					
	iv. Pistil have only one carpel Choose the statements that are true from the options below:						
	(a) i and ii	(b) i and iii	(c) ii and iv	(d) iii and iv			
	Ans: a	10	•				
47.	Which of the following situations correctly describe the similarity between an angiosperm egg and a human egg?						
	i. Eggs of both are formed only once in a lifetime						
	ii. Both the angresperm egg and human egg are stationary						
	iii. Both the angiosperm egg and human egg are motile						
	iv Syrgum in both results in the formation of zygote						
	Choise the correct answer from the options given below:						
	a) ii and iv	(b) iv only	(c) iii and iv	(d) i and iv			
	Ans: a						
48.	Appearance of vegetative propagules from the nodes of plants such as sugarcane and ginger is mainly because:						
	a. Nodes are sho	rter than internodes					

b. Nodes have meristematic cells

- c. Nodes are located near the soil
- d. Nodes have non-photosynthetic cells

Ans: b

- 49. Which of the following statements, support the view that elaborate sexual reproductive process appeared much later in the organic evolution.
  - i. Lower groups of organisms have simpler body design
  - ii. Asexual reproduction is common in lower groups
  - iii. Asexual reproduction is common in higher groups of organisms
  - iv. The high incidence of sexual reproduction in angiosperms and vertebrates
  - (a) iii and iv
- (b) iv only
- (c) ii and iv

Ans: c

- se formed by 50. Offspring formed by sexual reproduction exhibit more variation the Asexual reproduction because:
  - a. Sexual reproduction is a lengthy process
  - b. Gametes of parents have qualitatively different gen
  - c. Genetic material comes from parents of two dafface
  - d. Greater amount of DNA is involved in sexua tron Ralesh Kunal