

APPROVED
Head of admission office

« ___ » _____ 20__

EXAMPLE

**Examination task
of entrance examination in Biology**

Variant № __

Task 1 - 20 with four possible answers, of which only ONE IS CORRECT.

№	Task	Answer Options			
		A	B	C	D
1.	Fungi obtain food by	A	B	C	D
		photosynthesis	the nitrogen fixation process	digesting food externally	None of the above
2.	Both mosses and ferns produce	A	B	C	D
		seeds	fruit	flowers	spores
3.	The phloem in a plant:	A	B	C	D
		transports sugars	transports water and minerals	exchanges carbon dioxide and oxygen	None of the above
4.	The stomata are responsible for:	A	B	C	D
		translocation	regulating water loss	leaf growth	the transport of minerals
5.	Which of the following is not a member of the phylum Mollusca?	A	B	C	D
		gastropods	cephalopods	bivalves	echinoderms
6.	Structures found in eukaryotic cells but not in a bacterial cells are	A	B	C	D
		nuclei	linear chromosomes	membrane-bound organelles	All of the above
7.	Pseudopodia are used for	A	B	C	D
		Paramecium conjugation	movement by amoebas	Euglena reproduction	Paramecium mitosis
8.	The individual filaments that make up the body of a fungus are called	A	B	C	D
		vascular tissue	rhizoids	hyphae	stem cells
9.	The group of fungi that includes the molds that often grow on bread is the:	A	B	C	D
		zygomycetes	deuteromycetes	basidiomycetes	ascomycetes
10.	In angiosperms, immediately following pollination:	A	B	C	D
		the seed develops	an egg cell is formed	fertilization occurs	the pollen tube begins to form
11.	The response of plants to periods of light and dark is called:	A	B	C	D
		seasonal	photoperiodism	daily activity	nocturnal variation
12.	Scyphozoans, such as jellyfish, spend most of their lives as:	A	B	C	D
		medusae	polyps	corals	parasites
13.	All of the following are classes of the phylum Mollusca except	A	B	C	D
		bivalves	cephalopods	pseudopods	gastropods

14.	The appendages of arthropods:	A	B	C	D
		may serve as walking legs	may be modified into antennae	may be modified into large pincers	All of the above
15.	The symmetry exhibited by echinoderms is:	A	B	C	D
		bilateral	spherical	radial	mirror image
16.	Chloroplasts and mitochondria are both thought to have evolved through the process of?	A	B	C	D
		endosymbiosis	photosynthesis	photophosphorylation	cellular respiration
17.	The hypothesis that evolution occurs at a slow, constant rate is known as:	A	B	C	D
		slow motion	adaptation	quick motion	gradualism
18.	Bacterial cells such as Escherichia coli transfer pieces of genetic material in a process called:	A	B	C	D
		binary fission	mitosis	conjugation	sexual reproduction
19.	Amoebas capture food by:	A	B	C	D
		engulfing it	using cilia	trapping it with flagella	taking it into a gullet
20.	Analogous structures:	A	B	C	D
		have the same form in all organisms	perform the same function in all organisms	have the same structure in all organisms	evolve from a common ancestor

Head of the subject (professional) panel _____

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EXAMPLE