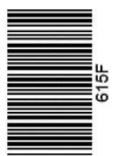
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نام خانوادگی:

محل امضاء:

عصر جمعه 97/11/14



اگر دانشگاه اصلاح شود مملکت اصلاح میشود. امام خمینی (ره)

وزارت علوم، تحقیقات و فتّاوری سازمان سنجش أموزش كشور

آزمون ورودی دورههای کارشناسی ارشد ناپیوسته داخل ـ سال ۱۳۹۳

مجموعه مهندسی منابع طبیعی ـ مرتع و آبخیزداری کد ۱۳۰۱

مدت پاسخگویی: ۱۵۰ دقیقه

تعداد سؤال: ۲۷۰

عنوان مواد امتحانی، تعداد و شماره سؤالات

رديف	مواد امتحانی	تعداد سؤال	از شماره	تا شماره
1	زبان عمومی و تخصصی	۳٠	,	۳٠
۲	حفاظت خاک و آبخیزداری	٣٠	۳۱	۶۰
٣	1757/177/197		۹٠	
۴	هیدرولوژی کاربردی ۳۰ ۹۱		91	17.
۵	ژئومورفولوژی و زمینشناسی ۳۰		171	10.
۶	جامعهشناسی روستایی ۳۰		101	۱۸۰
٧	اصلاح و توسعه مراتع ۳۰		141	11.
٨	شناسایی گیاهان مرتعی	٣٠	711	74.
٩	ارزیابی و اندازه گیری مرتع	٣٠	741	77.

بهمن ماه سال ۱۳۹۲ استفاده از ماشین حساب مجاز نمیباشد. این آزمون نمرهی منقی دارد.

حق چاپ و تکثیر سوالات پس از برگزاری آزمون برای تمامی اشخاص حقیقی و حقوقی تنها با مجوز این سازمان مجاز میباشد و با متخلفین برابر مقررات رفتار میشود.

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زبان عمومی و تخصصی و تخصصی زبان عمومی و تخصصی

	Part A: Vocabular Directions: Choose t sentence. Then mark	he word or the phras	e (1), (2), (3), or (4) t	hat best completes each
1-	Police officers should	be commended for th	eir service to	the community.
	1) benevolent	2) harsh	3) hasty	4) peculiar
2-	Despite her	arguments, the candid	ate attracted an enthu	siastic following.
	1) plausible	2) wholesome	3) specious	4) thorough
3-	Toni has been	to achieve musical r 2) displaying	ecognition for the past	ten years.
00207	1) prevailing	2) displaying	3) appreciating	4) striving
4-	Thousands of familie	s came here seeking	from the civil w	ar.
		2) refuge		
5-		were awaken	ed by the blast, and so	me were thrown from
	their beds.	0) 1 :	2)	4) 6.4
,	1) thrill	2) urbanity your parents would	5) vicinity	4) fatigue
6-	1) and area	your parents would	such rude benav	vior.
7-	1) endorse	2) hinder	3) postpone	4) sectude
/-	continue letting me u	dy broken most of her	disnes, Jacquenne was	s enough to
	1) thrifty	2) indigent	3) financial	4) magnanimous
8-	Even when someone	2) indigent has been found innoce	nt of a crime the	often remains
0-	1) endeavor	2) stigma	3) urge	4) quest
9-	I was hadly scared w	ben the evolosion mad	e the whole house	4) quest
<i>)</i> -	1) vacillate	2) stigma hen the explosion mad 2) resurge	3) decline	4) guake
10-	The poison produced	by the frog's skin is so	that it can n	aralyze a hird or a
10-	monkey immediately		, наси сап р	aratyze a bird or a
	1) pungent		3) lethal	4) treacherous
	r) pungent	2) 34111	3) icilai	i) treacherous
			decide which choice (1), (2), (3), or (4) best fits
	times when man creat (12) on ceiling pollution that was ass turning point (14) glaciers in Greenland	ed the first fires. Accordings of prehistoric cave ociated with (13) significant air poindicate (15)	ding to (11)in s provides ample evide" The forging of m llution levels outside the in pollution associated	arted from the prehistoric the journal <i>Science</i> , "soot ence of the high levels of tetals appears to be a key the home. Core samples of with Greek, Roman and cratively less and could be
11-	1) a 1983 article	2) article for 1983	3) a 1983 rd article	4) article in 1983
12-	1) was found	2) having found	3) found	4) to be found
13-	1) inadequate ventilati		2) inadequate ventilati	on of open fires
	3) open fires inadequa		4) open fires in inaded	2000-00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
14-	1) for creation in	2) in creation for	3) in the creating for	■1 100 100 100 100 100 100 100 100 100 1
15-	1) increases	2) increased	3) the increasing	4) they increased

زبان عمومی و تخصصی مفحه ۳ صفحه ۳

Part C. Reading Comprehension

Directions: Read the following three passages and choose the best choice (1), (2), (3) or (4). Then mark it on your answer sheet.

PASSAGE 1

Stormwater is water that originates during precipitation events. It may also be used to apply to water that originates with snowmelt that enters the stormwater system. Stormwater that does not soak into the ground becomes surface runoff, which either flows directly into surface waterways or is channeled into storm sewers, which eventually discharge to surface waters. Stormwater is of concern for two main issues: one related to the volume and timing of runoff water (flood control and water supplies) and the other related to potential contaminants that the water is carrying, i.e. water pollution. Stormwater is also a resource and ever growing in importance as the world's human population demand exceeds the availability of readily available water. Techniques of stormwater harvesting with point source water management and purification can potentially make urban environments self-sustaining in terms of water. Because impervious surfaces (parking lots, roads, buildings, compacted soil) do not allow rain to infiltrate into the ground, more runoff is generated than in the undeveloped condition. This additional runoff can erode watercourses (streams and rivers) as well as cause flooding after the stormwater collection system is overwhelmed by the additional flow. Because the water is flushed out of the watershed during the storm event, little infiltrates the soil, replenishes groundwater, or supplies stream baseflow in dry weather. Pollutants entering surface waters during precipitation events is termed polluted runoff. Daily human activities result in deposition of pollutants on roads, lawns, roofs, farm fields, etc. When it rains or there is irrigation, water runs off and ultimately makes its way to a river, lake, or the ocean. While there is some attenuation of these pollutants before entering the receiving waters, the quantity of human activity results in large enough quantities of pollutants to impair these receiving waters.

16. It is stated in the passage that.....

- 1. water is not readily available in the world's heavily populated areas
- 2. stormwater is, in fact, snowmelt that results from precipitation events
- 3. more runoff in generated in compacted soil than undeveloped soil
- 4. precipitation events end up in the creation of stormwater in dry areas

17. The passage mentions that......

- 1. stormwater gets polluted only after it gets to a sewage system
- 2. in urban areas storm sewers discharge surface waters as floods
- 3. water supplies carry potential contaminants as unwanted runoff
- 4. precipitation events can enter pollutants into surface waters

18. The passage points to the fact that a cause of additional flow in stormwater collection systems is / are......

1. impervious surfaces 2. replenished groundwater

3. stream baseflows 4. soil infiltration

19. We understand from the passage that polluted runoff is.....when it finally makes its way to a river, lake or the ocean (than when it is first formed).

1. not actually polluted 2. less polluted

more polluted
 not much different in pollution

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20. The word 'impair' in the passage (underlined) is closest to......

1. 'occupy' 2. 'balance' 3. 'fill' 4. 'harm'

PASSAGE 2

An owner or possessor of land that abuts a natural stream, river, pond, or lake is called a riparian owner or proprietor. The law gives riparian owners certain rights to water that are incident to possession of the adjacent land. Depending on the jurisdiction in which a watercourse is located, riparian rights generally fall into one of three categories, First, riparian owners may be entitled to the "natural flow" of a watercourse. Under the natural flow doctrine, riparian owners have a right to enjoy the natural condition of a watercourse, undiminished in quantity or quality by other riparian owners. Every riparian owner enjoys this right to the same extent and degree, and each such owner maintains a qualified right to use the water for domestic purposes, such as drinking and bathing. However, this qualified right does not entitle riparian owners to transport water away from the land abutting the watercourse. Nor does it permit riparian owners to use the water for most irrigation projects or commercial enterprises. Sprinkling gardens and watering animals are normally considered permissible uses under the natural flow doctrine of riparian rights. Second, riparian owners may be entitled to the "reasonable use" of a watercourse. States that recognize the reasonable use doctrine found the natural flow doctrine too restrictive. During the industrial revolution of the nineteenth century, some U.S. courts applied the natural flow doctrine to prohibit riparian owners from detaining or diverting a watercourse for commercial development, such as manufacturing and milling, because such development impermissibly altered the water's original condition. In replacing the natural flow doctrine, a majority of jurisdictions in the United States now permit riparian owners to make any reasonable use of water that does not unduly interfere with the competing rights and interests of other riparian owners.

21. According to the natural flow doctrine mentioned in the passage.....

- 1. water cannot be transported by a riparian owner to a nearby land
- 2. the water's original condition can only be impermissibly altered
- 3. proprietors own both the land and the stream, river, pond inside it
- 4. riparian owners in the US have the right for most irrigation projects

22. The passage points to the fact that.....

- 1. riparian owners enjoy the right to the same degree of water use on adjacent lands
- 2. natural flow doctrine also considers rights of watering animals living on the land
- 3. U.S. courts can rule in favour of detaining a watercourse for commercial development
- 4. certain riparian owners have rights that are incident to possession of their land

23. The passage implies that in the 'reasonable use doctrine'.....

- 1. is applied in few of the jurisdictions in the United States today
- 2. riparian owners may divert a watercourse for commercial development
- 3. water can be used only after land has been possessed for a long time
- 4. riparian owners cannot really enjoy the natural condition of a watercourse

24. We may understand from the passage that.....

- 1. riparian owners do not diminish the quantity or quality of a watercourse(s)
- 2. the jurisdiction of a watercourse usually depends on two categories
- 3. reasonable use doctrine is a restricted form of the natural flow doctrine
- 4. 'natural flow doctrine' used to be more commonly applied in the US

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25. Had the passage continued, it would most probably have dealt with.....

1. interference by riparian owners

2. riparan rights in some US states

3. another category of riparian rights

4. reasonable use of riparian rights

PASSAGE 3

Wetland soils may need drainage to be used for agriculture. In the northern USA and Europe, glaciation created numerous small lakes which gradually filled with humus to make marshes. Some of these were drained using open ditches and trenches to make mucklands, which are primarily used for high value crops such as vegetables. The largest project of this type in the world has been in process for centuries in the Netherlands. The area between Amsterdam, Haarlem and Leiden was, in prehistoric times swampland and small lakes. Turf cutting (Peat mining), subsidence and shoreline erosion gradually caused the formation of one large lake, the Haarlemmermeer, or lake of Haarlem. The invention of wind powered pumping engines in the 15th century permitted drainage of some of the marginal land, but the final drainage of the lake had to await the design of large, steam powered pumps and agreements between regional authorities. The elimination of the lake occurred between 1849 and 1852, creating thousands of km² of new land. Coastal plains and river deltas may have seasonally or permanently high water tables and must have drainage improvements if they are to be used for agriculture. An example is the flatwoods citrus-growing region of Florida. After periods of high rainfall, drainage pumps are employed to prevent damage to the citrus groves from overly wet soils. Rice production requires complete control of water, as fields need to be flooded or drained at different stages of the crop cycle. The Netherlands has also led the way in this type of drainage, not only to drain lowland along the shore, but actually pushing back the sea until the original nation has been greatly enlarged.

26. It is stated in the passage that.....

- 1. shoreline erosion causes the formation of large lakes in coastal areas
- 2. regional authorities do not usually agree on the drainage of lakes in the Netherlands
- 3. in northern America high value crops (as vegetables) are grown near marshes
- 4. the Haarlemmermeer was located between Amsterdam, Haarlem and Leiden

27. The passage points to the fact that.....

- the Netherlands owes its size partly to drainage
- Amsterdam was swampland in prehistoric times
- 3. the Netherlands was a larger country before 1852
- 4. drainage is not a major issue along lowland shores

28. We understand from the passage that.....

- 1. mucklands were drained to develop ditches for irrigation purposes
- 2. rice can be best planted on continuously drained wetland fields
- 3. wind powered pumping engines did not exist before the 15th century
- 4. citrus fruit soil need to be drained two to three times a year

29. The passage mentions that.....

- 1. drainage of marginal land was made possible in the period 1849 to 1852
- 2. the soil in flatwoods citrus-growing region of Florida is often extremely wet
- 3. small lakes in Europe are gradually filled with humus to make marshes
- 4. river deltas have permanently high water tables in the raining season

30. The word 'trench' in the passage (underlined) is best related to the word......

1. 'cut'

2. 'flow'

3. 'dry'

4. 'wet'

نوع دفترچه	نام رشته امتحانی	کد رشته امتحانی
F	مجموعه مهندسي منابع طبيعي مرتع وابخيزداري	1301

شماره سوال	گزینه صحیح										
1	1	31	1	61	4	91	4	121	1	151	4
2	3	32	1	62	1	92	4	122	2	152	3
3	4	33	2	63	1	93	1	123	4	153	1
4	2	34	4	64	2	94	4	124	3	154	4
5	3	35	3	65	3	95	1	125	1	155	1
6	1	36	2	66	3	96	2	126	2	156	3
7	4	37	3	67	4	97	3	127	3	157	1
8	2	38	4	68	2	98	2	128	4	158	4
9	4	39	1	69	4	99	1	129	4	159	3
10	3	40	4	70	2	100	3	130	3	160	4
11	1	41	2	71	1	101	4	131	4	161	1
12	3	42	1	72	1	102	3	132	1	162	2
13	2	43	1	73	3	103	4	133	2	163	3
14	4	44	3	74	3	104	2	134	3	164	1
15	1	45	4	75	2	105	3	135	1	165	2
16	3	46	2	76	4	106	2	136	2	166	2
17	4	47	3	77	3	107	4	137	4	167	2
18	1	48	4	78	2	108	1	138	2	168	4
19	2	49	2	79	4	109	2	139	3	169	4
20	4	50	3	80	1	110	4	140	3	170	4
21	1	51	2	81	4	111	3	141	1	171	3
22	2	52	4	82	3	112	3	142	4	172	3
23	2	53	4	83	3	113	4	143	2	173	4
24	4	54	1	84	2	114	1	144	1	174	4
25	3	55	1	85	1	115	3	145	2	175	3
26	4	56	3	86	1	116	4	146	3	176	3
27	1	57	2	87	2	117	2	147	1	177	3
28	3	58	3	88	3	118	1	148	4	178	1
29	2	59	1	89	1	119	3	149	3	179	1
30	1	60	3	90	4	120	2	150	2	180	1

شماره سوال	گزینه صحیح	شماره سوال	گزینه صحیح	شماره سوال	گزینه صحیح	شماره سوال	گزینه صحیح	شماره سوال	گزینه صحیح
181	3	211	1	241	4	271	سفيد	301	سفيد
182	4	212	3	242	1	272	سفيد	302	سفيد
183	4	213	2	243	2	273	سفيد	303	سفيد
184	3	214	4	244	3	274	سفيد	304	سفيد
185	3	215	3	245	3	275	سفيد	305	سفيد
186	1	216	4	246	2	276	سفيد	306	سفيد
187	3	217	3	247	1	277	سفيد	307	سفيد
188	4	218	2	248	2	278	سفيد	308	سفيد
189	2	219	1	249	4	279	سفيد	309	سفيد
190	2	220	1	250	4	280	سفيد	310	سفيد
191	2	221	4	251	4	281	سفيد	311	سفيد
192	1	222	4	252	3	282	سفيد	312	سفيد
193	3	223	2	253	3	283	سفيد	313	سفيد
194	1	224	2	254	1	284	سفيد	314	سفيد
195	4	225	1	255	3	285	سفيد	315	سفيد
196	1	226	4	256	1	286	سفيد	316	سفيد
نرم افزارها ء	دانلود رایگان				ا ا	دانلود منابع زبار			

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197	2	227	4	257	4	287	سفید	317	سفيد
198	3	228	4	258	4	288	سفید	318	سفيد
199	4	229	1	259	1	289	سفید	319	سفيد
200	3	230	2	260	1	290	سفید	320	سفيد
201	2	231	3	261	2	291	سفید	321	سفيد
202	2	232	3	262	2	292	سفيد	322	سفيد
203	4	233	3	263	3	293	سفید	323	سفيد
204	2	234	1	264	2	294	سفید	324	سفيد
205	1	235	1	265	4	295	سفید	325	سفيد
206	1	236	2	266	1	296	سفید	326	سفيد
207	4	237	3	267	3	297	سفید	327	سفيد
208	4	238	1	268	4	298	سفید	328	سفيد
209	3	239	3	269	1	299	سفید	329	سفيد
210	1	240	2	270	1	300	سفيد	330	سفيد