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KRP MATRIC HIGHER SECONDARY SCHOOL, SANKARI WEST HALF YEARLY EXAM - 2022

12th Standard

Biology	Date : 30-Dec-22
Reg	.No.:
PART - II. BIO ZOOLOGY	
Exam Time: 01:30:00 Hrs	
CHOOSE THE BEST ANSWER	Total Marks : 35 8 x 1 = 8
1) The male homologue of the female clitoris is	
(a) Scrotum (b) Penis (c) Urethra (d) Testis	
2) Which of the following is correct regarding HIV, hepatitis B, gonorrhoea and trichomoniasis?	
(a) Gonorrhoea is a STD whereas others are not. (b) Trichomoniasis is a viral disease wherea	s others are bacterial.
(c) HIV is a pathogen whereas others are diseases. (d) Hepatitis B is eradicated completely was a pathogen whereas others are diseases.	whereas others are not.
3) Three children of a family have blood groups A, AB and B. What could be the genotypes of their	r parents?
(a) I ^A I ^B and I ^O I ^O (b) I ^A I ^O and I ^B I ^O (c) I ^B I ^B and I ^A I ^A (d) I ^A I ^A and I ^O I ^O	
4) Females with Turners' syndrome have	
(a) Small uterus (b) Rudimentary ovaries (c) Underdeveloped breasts (d) All of these	
5) E. coli cell grown on ¹⁵ N medium are transferred to ¹⁴ N medium and allowed to grow for two go these cells is ultracentrifuged in a cesium chloride density gradient. What density distribution of experiment?	
(a) One high and one low density band (b) One intermediate density band. (c) One intermediate	diate density band.
(d) One low and one intermediate density band	
6) In which mode of reproduction variations are seen	
(a) Asexual (b) Parthenogenesis (c) Sexual (d) Both a and b	
7) The Athlete's foot disease in human is caused by	
(a) Bacteria (b) Fungi (c) Virus (d) Protozoan	
8) The wings of birds and butterflies is an example of	
(a) Adaptive radiation (b) convergent evolution (c) divergent evolution (d) variation WRITE ANY 4 QUESTIONS	4 x 2 = 8
9) Differentiate foeticide and infanticide	
10) How is juvenile phase different from reproductive phase?	
11) What is inhibin? State its functions	
12) Mention the symptoms of Down's syndrome.	
13) Mention the main objections to Darwinism.	
14) HGP is the windows for treatment of various genetic disorders. Justify the statement. WRITE ANY 3 QUESTIONS. Q.NO 18 IS COMPULSORY	3 x 3 = 9
15) Amniocentesis, the foetal sex determination test, is banned in our country, Is it necessary? Co	omment.

Kindly send me your questions and answerkeys to us: Padasalai.Net@gmail.com

16) A low level of expression of lac operon occurs at all the windows for treatment of various genetic disorders. Justify the

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17) What are the applications of Karyotyping?
18) List the causative agent, mode of transmission and symptoms for Diphtheria and Typhoid.
19) Differentiate between divergent evolution and convergent evolution with one example for each.
WRITE ALL THE QUESTIONS

2 x 5 = 10
20)
a) Explain the role PCR clinical diagnosis.

(OR)

b) Describe the steps involved in DNA finger printing.
21)
a) (a) Briefly explain the events of fertilization and implantation in an adult human female.
(b) Comment on the role of placenta as an endocrine gland.

(OR)

b) List any five viral diseases, their casuative agents, site of infection, mode of transmission and symptoms
