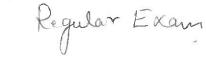
Exam Date & Time: 14-Sep-2021 (01:30 PM - 04:30 PM)





MANIPAL ACADEMY OF HIGHER EDUCATION

	Human Anatomy and Physiology-II [PHA-BP201T]	
Marks: 75	Duration: 1	80 mins.
	I Multiple Choice Questions (MCQs)	
Answer all	the questions. Section Duration	30 mins
1)	Dr. Prakash is in a process to develop a drug to target brain disorder. What would leave to the process to develop a drug to target brain disorder.	oe .
	the major physiological barrier for such types of drugs?	
		(1)
	Blood- Plasma Intestinal	
	1) Placental 2) Brain 3) membrane 4) blood barrier barrier	
2)	One of the following is an endocrine gland	
2)		(1)
	1) Ovaries 2) Thalamus 3) Pituitary 4) Testes	(-)
3)	A supporting sac made of loose skin that hangs from the root of the penis.	
	1) Testes 2) Scrotum 3) Raphe 4) Prostate	(1)
4)	Which one is not an action of thyroid hormones?	
	Colorisonia Stimulates Hastens Decreased	(1)
	1) Calorigenic 2) cholesterol 3) tissue 4) basal	
	effect excretion growth metabolic rate	
5)	Parathyroid hormone stimulates to synthesize calcitriol	
	to synthesize entertion	(1)
	1) Liver 2) Kidneys 3) Bone 4) Heart	(1)
6)	This dense irregular connective tissue is situated deep to germinal epithelium	
7	and aregular connective assac is situated deep to germinal epithenum	
	Tunica Ovarian Ovarian Theca	- (1)
	1) albuginea 2) Covarian 3) Ovarian 4) Theca folliculi	
7)	Papillae forming mushroom shaped elevations scattered over entire surface of tongu	ie
		(1)
	1) Foliate 2) Fungiform 3) Vallate 4) Filiform	(1)
8)	Mineralocorticoids are secreted by	
	Zona 2) Zona 3) Zona 4) Zona	$\supset^{(1)}$
	1) glomerulosa 2) reticularis 3) fasciculata 4) pellucida	8 8
9)	Interleukin-2, a local hormone exerts	(1)

19)

Identify the amine hormone

	Paracrine effect 2) Autocrine effect 3) Exocrine and autocrine effects Both paracrine and autocrine effects	about
10)	When Punnett square is applied, what percentage of offspring will have <i>Pp</i> genotype in phenylketonuria?	(1)
	1) 25% 2) 50% 3) 75% 4) 100%	(1)
11)	Insulin secretion is stimulated by	(1)
	1) Adrenaline 2) Acetylcholine 3) Dopamine 4) Serotonin	(1)
12)	In the heart, sympathetic stimulation causes	
	1) Increased heart rate 2) Decreased heart rate 3) Decreased atrial contraction 4) No known effect	(1)
13)	Pineal gland, a small endocrine gland is attached to the	
	Roof of the first 1) ventricle of the brain at the midline Roof of the second Ventricle of the brain at the midline Roof of the third Ventricle of the brain at the midline Roof of the third Ventricle of the brain at the midline Roof of the fourth Ventricle of the brain at the midline Roof of the third Ventricle of the brain at the midline	(1)
14)	Baby born to parents with AB and AB blood groups would inherit either of the possible combinations of blood type	(1)
15)	[1) A, O 2) B, O 3) A, B 4) A, B, AB	
15)	Which pair of hormones exhibit antagonistic effect?	
	1) FSH, progesterone 2) Adrenaline, thyroxine 3) Estrogens, FSH 4) Somatocrinin, somatostatin	(1)
16)	Channel above the cochlear duct	
	1) Scala vestibuli 2) Scala tympani 3) Helicotrema 4) Scala media	(1)
17)	Thymus plays an important role in	
	Maturation of a particular WBC 2) Reproduction 3) Lipid metabolism 4) Platelet activation (1)
18)	An individual with pp trait on chromosomes is	
	Homozygous dominant 2) Homozygous 3) Heterozygous 4) Heterozygous 4	1)

Explain the relationship of genes to heredity citing an example

A 17-year-old boy came to the emergency department showing symptoms of

contraction of skeletal muscles. History revealed that patient has consumed organophosphorus insecticide. Examine the symptoms and interpret how

bradycardia, decreased BP, dyspnoea, pin point pupil, frequent urination, diarrhoea,

organophosphorus insecticide consumption might have resulted in these symptoms. Correlate the symptoms with autonomic nervous system giving special emphasis on

Describe the functions of hypothalamus and examine how alterations in the functions

(5)

(5)

(5)

(5)

schematic representation

receptors involved

of hypothalamus may contribute to disease

5)

6)

7)

----End----