

GENERAL KNOWLEDGE PAPER-I

nuclear reaction two or more than two possibly nuclei are f	In a fission nuclear reaction, a heavy nucleus breaks up into smaller nuclei where		
nuclear reaction is called: (a) Chemical Reaction (b) Nuclear Reaction (c) Fusion nuclear reaction (c) None of these	o smaller nuclei where fused to form a heavy nu (c) Fission nuclear reaction stance (e) None of these		
(14) Parsec is a unit of:	stance (e) None of these		
(15) German Silver is an alloy of: (a) Zn + Ni (b) Cu + Zn (c) Cu + Ni (d) Cu	u + Sn (e) None of these		
(16) The Continent Antarctica lies at the:(a) North pole (b) South pole (c) Middle of the earth	(d) Equator (e) None of these		
 (17) The temperature of the dead body is: (a) 0°C (b) 37°C (c) temperature of the place where it is kept (c) None of the place where it is kept 	(c) room temperature ese		
(18) Lactometer is a type of hydrometer which is used to measure (a) Honey (b) Water (c) Milk (d) Ol	e the specific gravity of: live Oil (e) None of these		
(19) Cusec is a unit of: (a) Area (b) Time (c) Distance (d) Ma	ass (e) None of these		
(20) The deepest place on earth is: (a) Trench (b) Mariana Trench (c) Mangrove (d) Gr	roove (e) None of these		
 (21) Twinkling of stars is caused by the: (a) Reflection of light (b) Polarization of light (c) Interference of light (d) Interference of light (e) None of these 	(c) Refraction of light		
 (22) Magnifying power of a simple microscope can be increased by (a) Increasing focal length of the lens (b) Decreasing focal length (c) Lens of large aperture (d) Lens of short aperture 	ength of the lens		
(23) Bronze medal is made up of metals:(a) Copper, Nickel (b) Copper, Tin (c) Copper, Silver (d)	l) Copper, Zinc (e) None of these		
(24) One of the countries through which equator passes is: (a) Kenya (b) Pakistan (c) Malaysia	(d) Malta (e) None of these		
 (25) A very important practical application of properties of matter the farmers. This property of matter is called: (a) Elasticity (b) Stress (c) Capillarity 	ter is hoeing or "godi" practiced by (d) Strain (e) None of these		
 (26) It is observed that the total pressure exerted by air on the m wt. per square inch. But the man feels quite comfortable. It i (a) An equal and opposite pressure acts from inside (b) of (c) of gravity (d) Earth pulls the man upward 	is because:		
 (27) A nuclear reactor is a device used to carry out controlled nuis a device used to detect: (a) Current (b) Voltage (c) Nuclear Radiation 			
(28) A body can escape the gravitational pull of the earth if it is th (a) 25 miles/sec (b) 60 miles/sec (c) 7 miles/sec (d)	hrown up with a velocity of:) 10 miles/sec (e) None of these		

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(30)	ERAL KNOWLEDGE PAPER-I Myopia is a defect of human eye. It can be corrected by using a lens called: (a) Convex Lens (b) Concave Lens (c) Cylindrical Lens (d) Plano co (e) None of these Walnuts can be broken in the hand by squeezing two together but not one. It is because of: (a) Work done(b) Power (c) Energy (d) Volume (e) None of the these The instrument which is specially designed for recording earthquake wave is called seismograph which measures earthquake waves on a:
(31)	Walnuts can be broken in the hand by squeezing two together but not one. It is because of: (a) Work done(b) Power (c) Energy (d) Volume (e) None of the these
(32)	The instrument which is specially designed for recording earthquake wave is called seismograph which measures earthquake waves on a: (a) Diatonic Scale (b) Fahrenheit Scale(c) Richter Scale (d) Celsius Scale (e) None of these
(33)	The planet Mercury completes one rotation around the sun in: (a) 88 days (b) 365 days (c) 98 days (d) 60 days (e) None of these
(34)	Fossils found in the lowest geological strata are generally the most:(a) Advanced (b) Complex(c) Primitive (d) Specialized(e) None of these
(35)	Evolution can be described as:(a) A continuing process(b) A catastrophic event in the past(c) Static(c) None of these
(36)	What is the only source of new alleles?(a) Crossing over(b) Independent assortment(c) Mutation(d) Fertilization(e) None of these
(37)	Polygenic characteristics are controlled by:(a) Dominant genes(b) Recessive genes(c) Multiple genes(d) Mutated genes(e) None of these(c) Multiple genes
(38)	 Which of the following, lists the four stages of food processing in order? (a) Ingestion, digestion, absorption, elimination (b) Digestion, ingestion, absorption, elimination (c) Ingestion, absorption, elimination, digestion (d) Absorption, digestion, ingestion, elimination (e) None of these
(39)	In humans, most nutrient molecules are absorbed by the: (a) Stomach (b) Liver (c) Small intestine (d) Large intestine (e) None of these
(40)	The energy needed to fuel essential body processes is called: (a) Essential nutrient level (b) Basal Metabolism (c) Recommended daily allowance (d) Optimum energy intake (e) None of these
(41)	Which of the following is an organic molecule needed by the body in small amounts?(a) Protein(b) Vitamin C(c) Zinc(d) Monosaccharide(e) None of these
(42)	Inhaled air passes through which of the following in the last?(a) Bronchiole (b) Larynx(c) Pharynx(d) Trachea(e) None of these
(43)	Which of the following is a form of sexual reproduction? (a) Hermaphroditism (b) Fission (c) Fragmentation (d) Budding (e) None of these
(44)	Cobalt is a material which is:(a) Strongly attracted by a magnet(b) Not attracted by a magnet(c) Weakly attracted by a magnet(c) Note of these
(45)	Laughing gas has chemical composition of the following two elements which are: (a) Nitrogen + Hydrogen (b) Nitrogen + Carbon (c) Nitrogen + Oxygen

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CEN	IEDAL KNOWLEDCE DADED I	
(46)	IERAL KNOWLEDGE PAPER-I Hepatitis A is transmitted to different individuals by: (a) Water (b) Sneezing (c) Spit (d) Foeces (e) None of the	
(47)	IERAL KNOWLEDGE PAPER-I Hepatitis A is transmitted to different individuals by: (a) Water (b) Sneezing (c) Spit (d) Foeces (e) None of the The unit that coordinates different devices of the computer system is: (a) ALU (b) Register (c) Control Unit (d) Logical instruction (e) None of the The most abundant element present in the human body is: (a) Nitrogen (b) Carbon (c) Hydrogen (d) Oxygen (e) None of these Cancer can be treated by:	THE
(48)	The most abundant element present in the human body is: (a) Nitrogen (b) Carbon (c) Hydrogen (d) Oxygen (e) None of these	Com
(49)	Cancer can be treated by:(a) Antibiotics and vaccines(b) Radiotherapy and antibodies(c) Chemotherapy and radiotherapy(d) Antibodies and chemotherapy(e) None of these	
(50)	Animals obtain carbohydrate mainly from:(a) Sucrose(b) Starch(c) Glucose(d) Glycogen(e) None of these	
	<u>PART – II</u>	
NO	TE: (i) Attempt ONLY FIVE questions from PART-II . All questions carry EQUAL marks. (ii) Extra attempt of any question or any part of the attempted question will not be conside	lered.
Q.2.	Write short note on the following by giving their exact life span and contributions to the of science. (Accurate facts will be appreciated) (a) Al – Biruni (b) Ibn – al – Haitham	e field (5 x 2)
Q.3.	What do you know about hereditary diseases? Comment how they are transferred parents to offsprings?	from (3 + 7)
Q.4.	Write briefly about ANY FIVE of the following: (Answer in three or four sentences)(a) Plaster of Paris(b) Reflex Action(c) Pace Maker(d) Swine Flue(e) Microwave Oven(f) The Internet(g) Voltage Stablizer	(2 x 5)
Q.5.	(a) What is global warming? Is there a sunny side to global warming? If yes, explain.(b) What makes the seasons happen?	(2 + 6) (2)
Q.6.	In which region of the world, the following animals are found? Give two main characte	ristics
	of each. (a) Blind dolphin (b) Kangaroo (c) Panda (d) Kiwi (e) Penguin	(2 x 5)
Q.7.	 (a) In which organ these parts are present in animals or human body? (b) Describe the function of each briefly: (i) Coverage externs (ii) Sing environment of the coverage (iv) Applied (i	(2 + 8)
0.8	(i) Coronary artery (ii) Sino-auricular Node (iii) Aortic Valve (iv) Auricle	() _x 5)
Q.8.	Differentiate between the following pairs:(a) Hydrometer and Hygrometer(b) Perimeter and Telemeter(c) Isotopes and Isomers(d) Flying mammal and Bird(e) Vertebrates and Invertebrates	(2 x 5)
Q.9.	 (a) What are pesticides? Explain how these are dangerous to human beings? (b) What do the following orientific a bloweristions stand for? 	(2+4)
	(b) What do the following scientific abbreviations stand far? (1 (i) STP (ii) LORAN (iii) SONAR (iv) MAF (1	/2 each)
	(v) MeV (vi) MASER (vii) AWACS (viii) CCTV	

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