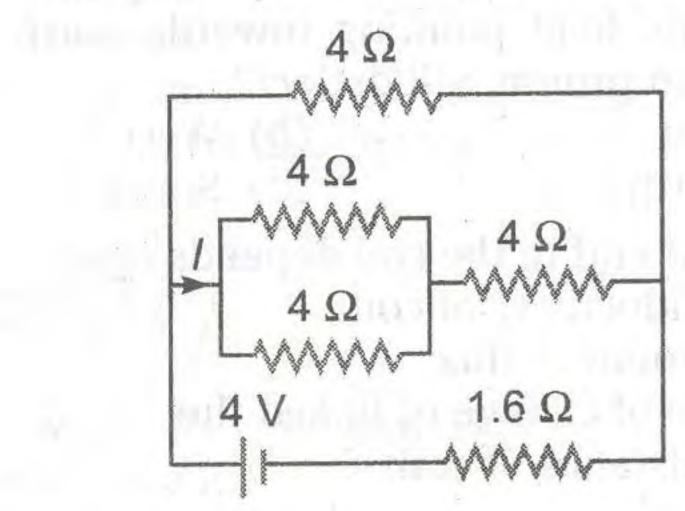
IPIMER

Medical Entrance Exam Solved Paper 2011

Physics

- 1. The physical quantity having the dimensions $[M^{-1}L^{-3}T^3A^2]$ is
 - (a) resistance
 - (b) resistivity
 - (c) electrical conductivity
 - (d) electromotive force
- 2. In the circuit shown the value of I in ampere is



(a) 1

(b) 0.60

(c) 0.4

- (d) 1.5
- 3. The specific charge of a proton is 9.6×10^7 C/kg. The specific charge of an alpha particle will be

 - (a) 9.6×10^7 C/kg (b) 19.2×10^7 C/kg
 - (c) 4.8×10^7 C/kg (d) 2.4×10^7 C/kg
- 4. If λ_1 and λ_2 are the wavelengths of the first members of the Lyman and Paschen series respectively, then $\lambda_1 : \lambda_2$ is
 - (a) 1:3
- (c) 7:50
- (d) 7:108
- 5. Activity of a radioactive sample decreases to (1/3)rd of its original value in 3 days. Then, in 9 days its activity will become
 - (a) (1/27) of the original value
 - (b) (1/9) of the original value
 - (c) (1/18) of the original value
 - (d) (1/3) of the original value
- 6. A tuning fork A produces 4 beats/s with another tuning fork B of frequency 320 Hz. On filing one of the prongs of A, 4 beats/s are again heard when sounded with the same fork B. Then, the frequency of the fork A before filing is
 - (a) 328 Hz
- (b) 316 Hz
- (c) 324 Hz
- (d) 320 Hz

- 7. If there were no gravity, which of the following will not be there for a fluid?
 - (a) Viscosity
 - (b) Surface tension
 - (c) Pressure
 - (d) Archimedes' upward thrust
- 8. A choke is preferred to a resistance for limiting current in AC circuit because
 - (a) choke is cheap
 - (b) there is no wastage of power
 - (c) choke is compact in size
 - (d) choke is a good absorber of heat
- 9. Velocity-time curve for a body projected vertically upwards is
 - (a) parabola (b) ellipse
- - (c) hyperbola (d) straight line
- 10. If r_1 and r_2 are the radii of the atomic nuclei of mass numbers 64 and 125 respectively, then the ratio (r_1/r_2) is

 - (a) $\frac{64}{125}$ (b) $\sqrt{\frac{64}{125}}$ (c) $\frac{5}{4}$ (d) $\frac{4}{5}$
- 11. The ionization energy of Li²⁺ is equal to
 - (a) 9hcR
- (b) 6hcR
- (c) 2hcR
- (d) hcR
- 12. A current of 5 A is passing through a metallic wire of cross-sectional area 4×10^{-6} m². If the density of charge carriers of the wire is 5×10^{26} m⁻³, then the drift velocity of the electrons will be

 - (a) 1×10^2 m/s (b) 1.56×10^{-2} m/s
 - (c) 1.56×10^{-3} m/s (d) 1×10^{-2} m/s
- 13. The numerical ratio of displacement to the distance covered is always
 - (a) less than one
 - (b) equal to one
 - (c) equal to or less than one
 - (d) equal to or greater than one
- 14. In Young's double slit experiment with sodium vapour lamp of wavelength 589 nm and the slits 0.589 mm apart, the half angular width of the central maximum is

 - (a) $\sin^{-1}(0.01)$ (b) $\sin^{-1}(0.0001)$
 - (c) $\sin^{-1}(0.001)$ (d) $\sin^{-1}(0.1)$

15. The principle of LASER action involves (a) amplification of particular frequency emitted by the system (b) population inversion (c) stimulated emission (d) All of the above 16. A train is moving towards east and a car is along north, both with same speed. The observed direction of car to the passenger in the train is (a) east-north direction (b) west-north direction (c) south-east direction (d) None of the above 17. Which of the following is unipolar transistor? (a) p-n-p transistor (b) n-p-n transistor Surface to (c) Field effect transistor (d) Point contact transistor 18. A solid sphere and a hollow sphere of the same material and of a same size can be distinguished without weighing (a) by determining their moments of inertia about their coaxial axes (b) by rolling them simultaneously on an inclined plane space to svaus antity accevate (c) by rotating them about a common axis of rotation (d) by applying equal torque on them 19. Point masses 1, 2, 3 and 4 kg are lying at the points (0, 0, 0), (2, 0, 0), (0, 3, 0) and (-2, -2, 0)respectively. The moment of inertia of this system about X-axis will be (a) 43 kg-m^2 (b) 34 kg-m^2 (c) 27 kg-m² (d) 72 kg-m² 20. The radius of gyration of a body about an axis at a distance 6 cm from its centre of mass is 10 cm. Then, its radius of gyration about a parallel axis through its centre of mass will be (a) 80 cm (b) 8 cm (c) 0.8 cm (d) 80 m 21. A galvanometer can be changed into an ammeter by using (a) low resistance shunt in series (b) low resistance shunt in parallel (c) high resistance shunt in series (d) high resistance shunt in parallel 22. A bullet of mass 20 g and moving with 600 m/s collides with a block of mass 4 kg hanging with the

string. What is velocity of bullet when it comes out

of block, if block rises to height 0.2 m after

(b) 150 m/s

d) 300 m/s

collision?

(a) 200 m/s

c) 400 m/s

23. Voltage in the secondary coil of a transformer does not depend upon (a) frequency of the source (b) voltage in the primary coil (c) ratio of number of turns in the two coils (d) Both (b) and (c) 24. In Carnot engine efficiency is 40% at hot reservoir temperature T. For efficiency 50%, what will be temperature of hot reservoir? (a) (c) 67

25. A ball of mass 2 kg moving with velocity 3 m/s, collides with spring of natural length 2 m and force constant 144 N/m. What will be length of compressed spring?

(a) 2 m

(b) 1.5 m

(c) 1 m

(d) 0.5 m

26. A proton moving vertically downward enters a magnetic field pointing towards north. In which direction proton will deflect?

(a) East

(b) West

(c) North

(d) South

27. Induced emf in the coil depends upon

(a) conductivity of coil

(b) amount of flux

(c) rate of change of linked flux

(d) resistance of coil

28. X-rays are used in determining the molecular structure of crystalline because

(a) its energy is high

(b) it can penetrate the material

(c) its wavelength is comparable to interatomic distance

(d) its frequency is low

29. Light of frequency v falls on material of threshold frequency vo. Maximum kinetic energy of emitted electron is proportional to

(a) $v - v_0$

(c) $\sqrt{v - v_0}$

 $(d) v_0$

30. A light movs from denser to rarer medium, which of the following is correct?

(a) Energy increases

(b) Frequency increases

(c) Phase changes by 90°

(d) Velocity increases

10 320 Hz

31. Which one of the following statements is true?

Both light and sound waves in air are transverse

The sound waves in air are longitudinal while the light waves are transverse

(c) Both light and sound waves in air are longitudinal

Both light and sound waves can travel in vacuum

(d) H_2^+ is more stable than H_2^-

		AglaSem Admissi
15	https://www.freshele. 5. 2 g of a radioactive sample having half-life of 15 days was synthesised on 1st Jan 2009. The amount of the sample left behind on 1st March, 2009 (including both the days) is (a) 0 g (b) 0.125 g (c) 1 g (d) 0.5 g	24. The condensation polymer among the following is (a) rubber (b) protein (c) PVC (d) polyethene 25. In which of the following, NH ₃ is not used? (a) Tollen's reagent (b) Nessler's reagent
16	5. The rate equation for a reaction,	(c) Group reagent for the analysis of IV group
	$A \longrightarrow B$	basic radicals
	is $r = k[A]^0$. If the initial concentration of the reactant is a mol dm ⁻³ , the half-life period of the	(d) Group reagent for the analysis of III group basic radicals 26. Argon is used
	reaction is	(a) in filling airships
	(a) $\frac{a}{2k}$ (b) $\frac{\kappa}{a}$	(b) to obtain low temperature
	2 ~	(c) in high temperature welding(d) in radiotherapy for treatment of cancer
	(c) $\frac{a}{k}$ (d) $\frac{2a}{k}$	27. Hyperconjugation is most useful for stabilising
17	7. For the reaction,	which of the following carbocations?
	$H_2O(l) \rightleftharpoons H_2O(g)$	(a) Neo-pentyl (b) Tert-butyl
	at 373 K and 1 atm pressure	(c) Iso-propyl (d) Ethyl
	(a) $\Delta H = 0$ (b) $\Delta E = 0$ (c) $\Delta H = T\Delta S$ (d) $\Delta H = \Delta E$	28. The isomerism that arises due to restricted bond rotation is (a) metamerism
18	3. In electrophilic aromatic substitution reaction, the	(b) optical isomerism
	nitro group is meta directing because it	(c) position isomerism
	(a) decreases electron density at ortho and para positions	(d) geometrical isomerism 29. Amine that cannot be prepared by Gabriel
	 (b) decreases electron density at meta position (c) increases electron density at meta position (d) increases electron density at ortho and para 	phthalimide synthesis is (a) aniline (b) benzylamine (c) methylamine (d) iso-butylamine
11	positions	30. Lactose is made of
19	 The best method for the conversion of an alcohol into an alkyl chloride is by treating the alcohol with (a) PCl₃ (b) PCl₅ 	 (a) α-D-glucose only (b) α-D-glucose and β-D-glucose (c) α-D-galactose and β-D-glucose (d) β-D-galactose and β-D-glucose
	 (c) SOCl₂ in presence of pyridine (d) dry HCl in the presence of anhydrous ZnCl₂ 	31. Cetyltrimethyl ammonium bromide is a popular (a) anionic detergent
20). The compound which is not formed during the dry	(b) cationic detergent
	distillation of a mixture of calcium formate and calcium acetate is	(c) non-ionic detergent (d) sweetener
	(a) methanal (b) propanal	32. The number of electrons, neutrons and protons in a
	(c) propanone (d) ethanal	species are equal to 10, 8 and 8 respectively. The
21	1. The compound which forms acetaldehyde when	proper symbol of the species is
	heated with dilute NaOH, is (a) 1,1-dichloroethane	(a) ${}^{16}_{8}$ O (b) ${}^{18}_{8}$ O
	(b) 1,1,1-trichloroethane	(c) $^{18}_{10}$ Ne (d) $^{16}_{8}$ O ²⁻
	(c) 1-chloroethane (d) 1,2-dichloroethane	33. 56 g of nitrogen and 96 g of oxygen are mixed isothermally and at a total pressure of 10 atm. The
22	2. The one which has least iodine value is	partial pressures of oxygen and nitrogen (in atm) are respectively
	(a) sunflower oil (b) ginger oil (d) groundput oil	(a) 4, 6 (b) 5, 5
20	(c) ghee (d) groundnut oil	(c) 2, 8 (d) 6, 4
23	3. IUPAC name of (CH ₃) ₃ CCl is (a) n-butyl chloride	34. Which of the following undergoes reduction with
-	(b) 3-chloro butane	hydrogen peroxide in alkaline medium?
	(c) 2-chloro-2-methylpropane	(a) Mn^{2+} (b) I_2 (c) PbS (d) Fe^{2+}
	(d) t-butyl chloride	(c) PbS (d) Fe ²⁺

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non-luminous flame is (a) Ba (b) Ag (c) Rb (d) Pb soap lather are respectively (a) gas and liquid (b) liquid and (c) solid and gas (d) solid and	medium in d gas liquid
36. According to the first law of thermodynamics which of the following quantities represents the change in a state function? (a) q_{rev} (b) $q_{rev} - W_{rev}$ (c) $\frac{q_{rev}}{W_{rev}}$ (d) $q_{rev} + W_{rev}$ 37. The maximum oxidation state exhibited by actinide ions is (a) $+5$ (b) $+4$ (c) $+7$ (d) $+8$ 39. The expression for the solubility product will be (a) $K_{sp} = s^2$ (b) $K_{sp} = 4s^3$ (c) $K_{sp} = 27s^4$ (d) $K_{sp} = s$ 40. A 600 W mercury lamp emits mon radiation of wavelength 331.3 nm. photons are emitted from the lamp photons are emitted from the lamp photons are $(h = 6.626 \times 10^{-34} \text{ J-s}; \text{ velocity})$ $= 3 \times 10^8 \text{ ms}^{-1}$ (a) 1×10^{19} (b) 1×10^{20} (c) 1×10^{21} (d) 1×10^{21} (e) 1×10^{21} (e) 1×10^{21} (f) 1×10^{21} (e) 1×10^{21} (f) 1×10^{21} (f) 1×10^{21} (f) 1×10^{21} (h) 1	ochromatic How many er second? of light
1. In mammals, histamine is secreted by (a) fibroblasts (b) histocytes (c) lymphocytes (d) mast cells 2. The layer of cells that secrete enamel of tooth is (a) dentoblast (b) ameloblast (c) osteoblast (d) odontoblast 3. Which important green house gas, other than carbon dioxide, is being produced from the agricultural fields? (a) Arsine (b) Sulphur dioxide (c) Ammonia (d) Nitrous oxide 4. The exchange of gases in the alveoli of the lungs takes place by (a) osmosis (b) simple diffusion (c) passive transport (d) active transport 5. Carbon monoxide is a pollutant because it (a) reacts with oxygen (b) inhibits glycolysis (c) reacts with haemoglobin	ne gene for marries a ophilic and nters and 50% in striated of finches
(d) makes nervous system inactive 6. Total number of bones in the hindlimb of a man is (a) 14 (b) 21 (c) 24 (d) 30 (d) 30 (e) intraspecific competition (d) makes nervous system inactive Galapagos islands, as observed by Darwing evidence for (a) origin of species by natural selection (b) intraspecific competition (c) intraspecific competition	THE COUNTY OF TH
(a) elevates potassium level in blood (b) lowers calcium level in blood (c) elevates calcium level in blood (d) has no effect on calcium 8. A condition of failure of kidney to form urine is called (d) interspecific competition 14. The most important component of contraceptive pills is (a) progesterone (b) growth hormone (c) thyroxine	the oral
(a) deamination (b) entropy (c) anuria (d) luteinising hormone 15. Sympathetic nervous system induces (a) heart beat (b) secretion of digestive juice	

(a) annelids

(c) echinodermates

(b) molluscs

(d) platyhelminthes

(b) secretion of digestive juice

(c) secretion of saliva

(d) All of the above

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 16. The middle piece of the sperm contains (a) proteins (b) centriole (c) nucleus (d) mitochondria 17. The term 'aquaculture' means (a) aspergillosis (b) inland fisheries (c) marine fisheries (d) Both (b) and (c) 	27. Chondrichthyes is characterised by (a) placoid scale (b) ventral mouth (c) ctenoid scale and ventral mouth (d) placoid scale and ventral mouth 28. Secondary body cavity with segmented mesodermal lining is called (a) haemocoel (b) neurocoel (c) true coelom (d) pseudocoelom
 18. Active immunity means (a) resistance developed after disease (b) increasing quantity of blood (c) resistance developed before disease (d) increasing rate of heart-beat 	29. Stratified epithelium is found in (a) seminiferous tubule (b) fallopian tube (c) nasal cavity (d) kidney tubules
19. The canal system is a characteristic feature of(a) echinoderms(b) helminthes(c) coelenterates	 30. Dead space air in man is (a) 500 mL (b) 150 mL (c) 250 mL (d) 1.5 L 31. Vetebrate brain differentiates from
(d) sponges 20. Which cranial nerve has the highest number of	(a) endoderm (b) mesoderm (c) ectoderm (d) blastoderm
branches? (a) Facial nerve (b) Trigeminal (c) Vagus nerve (d) None of these	32. Animals of class–Mammalia have (a) seven cervical vertebrae (b) seven cranial nerve (c) single ventricular chamber (d) fourteen cervical vertebrae
21. The problem due to Rh⁻ factor arises when the blood of two (Rh⁺ and Rh⁻) mixup(a) during pregnancy(b) through transfusion	33. Vaccine for tuberculosis is known as (a) PAS vaccine (b) BCG vaccine (c) OPV (d) DPT
(c) in a test tube(d) Both (a) and (b)22. Which of the following is mismatched?	34. Sir Godfrey Hounsfield developed the diagonostic technique of (a) CT scanning (b) MRI
 (a) Vitamin-K — Beri-beri (b) Vitamin-D — Rickets (c) Vitamin-C — Scurvy 	(c) endoscopy (d) bronchoscopy 35. Alcoholism may leads to (a) skin cancer (b) liver cirrhosis (c) viral disease (d) eye infections
(d) Vitamin-A — Xerophthalmia 23. The joint between atlas and axis is called (a) pivot joint (b) hinge joint (c) saddle joint (d) angular joint	36. The basic unit of classification is (a) species (b) genus (c) family (d) phylum
24. The blood group with antibody-a and antibody-b is (a) B (b) A	37. Age of fishes is also known as (a) Permian Era (b) Silurian Era (c) Devonian Era (d) Ordovician Era
25. Rate of heart beat is determined by (a) Purkinje fibres (b) papillary muscles (c) SA-node (d) AV-node	 38. A hereditary disease which is never passed on from father to son is (a) X-chromosomal linked disease (b) Autosomal linked disease (c) Y-chromosomal linked disease (d) None of the above
26. The junction between the axon of one neuron and the dendrite of the next is called (a) junction point (b) a symanse	39. One animal that does not perform locomotion is (a) Sycon (b) Nereis (c) Sepia (d) Euglena
(b) a synapse(c) a joint(d) constant bridge	40. Amount of CO ₂ in expired air is about (a) 0.04% (b) 0.03% (c) 4.5% (d) 21%

Botany granub besiling a limby boot to against 103 sile (a) 13. In most fungi, cell wall is chiefly made of 1. The codon for anticodon 3'-UUUA-5' is (a) cellulose (b) chitin (b) 5'-UAAA-3' (a) 3'-AAU-5' (d) lipid (d) 3'-UAAU-5' (c) protein (c) 5'-AAAU-3' 14. Heterocysts are present in 2. A kind of biotechnology involving manipulation of (a) Riccia (b) Ulothrix DNA is (a) DNA replication (d) Nostoc (c) Albugo (b) genetic engineering 15. Double fertilization occurs in (c) denaturation (b) Pteridium (d) renaturation (a) Riccia (d) Capsella (c) Cycas 3. Minamata disease is caused due to presence of 16. In Ruscus, the stem is a in water. (b) cladode (a) phyllode (b) lead (a) cadmium (d) sucker (c) offset (d) mercury (c) arsenic 17. Catkin inflorescence is found in 4. The phrase 'Omnis cellula e cellula' was given by (a) wheat (b) oat (b) Pasteur (a) Virchow (c) mulberry (d) fig (c) Schleiden (d) Brown 18. Epigynous flowers are present in 5. Intermediate community between pioneer and (b) brinjal (a) mustad climax communities is called (c) China rose (d) cucumber (a) seral community 19. In Dianthus, placentation is (b) biotic community (c) temporary community (a) basal (b) free central (d) ecosere 6. Ten percent law of energy transfer in a food chain (c) axile (d) marginal the mercinent of water from is given by 20. The term 'keel' is used for special type of (a) Schimper 38. The Okazaki freezament of the (b) Elton (a) sepals (b) petals (c) Haeckel (c) stamens (d) carpels (d) Lindemann 21. Coffee and quinine are obtained from the 7. Apoenzyme is (a) Leguminosae (b) carbohydrate (a) protein (b) Asteraceae (d) amino acid (c) vitamin (c) Rubiaceae 8. Glycogenolysis involves (d) Poaceae (a) conversion of sugar into glycogen 22. Kranz anatomy can be obseved in leaves of (b) oxidation of sugar (a) sorghum (b) spinach (c) conversion of glycogen into sugar (c) mustrad (d) tulip (d) conversion of glycogen into fat 23. The term 'bark' refers to 9. A polygenic inheritance in human beings is (a) phellem, phelloderm and vascular cambium (a) skin colour (b) periderm and secondary xylem (b) sickle cell anaemia (c) cork cambium and cork (c) colour blindness (d) phellogen, phellem, phelloderm and (d) phenylketonuria secondary phloem 10. Nucleic acid segment tagged with a radiactive 24. Light reaction in stroma lamellae of the chloroplast molecule is called results in the formation of (b) probe (a) clone (a) $NADPH_2$ (b) $ATP + NADPH_2$ (d) vector (c) plasmid (c) ATP (d) O_2 11. Powdery mildew of wheat is caused by a species of 25. In leaves of C4 plants malic acid synthesis during (a) Puccinia CO₂ fixation occurs in (b) Erysphe (b) mesophyll (a) bundle sheath (c) Ustilago (d) guard cells (c) epidermis (d) Albugo 26. Membrane is absent in 12. Nucleic acid is absent in (b) nucleolus

(a) nucleus

() vacuole

(d) lysosome

(b) viroid

(d) mycoplasma

(a) virus

(c) prion

https://www.freshersnow.com/ 27. The quiescent centre in root meristem serves as a

(a) site for storage of food, which is utilised during maturation

(b) reservoir of growth hormones

(c) reserve for replenishment of damaged cells of the meristem

(d) region for absorption of water

28. An example of competitive inhibition of an enzyme is the inhibition of

(a) succinic dehydrogenase by malonic acid

(b) cytochrome oxidase by cyanide (c) hexokinse by glucose-6-phosphate

(d) carbonic anhydrase by carbon dioxide

29. Biological Oxygen Demand (BOD) is a measure of (a) industrial wastes poured into water bodies

(b) extent to which water is polluted with organic compound

amount of carbon monoxide inseparably combined with haemoglobin

amount of oxygen needed by green plants during night

30. In prokaryotes, chromatophores are

(a) specialised granules responsible for colouration of cells

(b) structures responsible for organising the shape of the organism

(c) inclusion bodies lying free inside the cells for carrying out various metabolic activities

(d) internal membrane systems that may become extensive and complex in photosynthetic bacteria

31. The Montreal Protocol refers to

(a) persistent organic pollutants

(b) global warming and climate change

(c) substances that deplete the ozone layer

(d) biosafety of genetically modified organisms

32. In the sieve elements, which one of the following is the most likely function of P-proteins?

(a) Deposition of callose on sieve plates

(b) Providing energy for active translocation

(c) Autolytic enzymes

(d) Sealing off mechanism on wounding

33. Which one of the following precedes re-formation of the nuclear envelope during M-phase of the cell cycle?

Decondensation from chromosome and reassembly of the nuclear lamina

(b) Transcription from chromosome and reassembly of the nuclear lamina

(c) Formation of the contractile ring and formation of the phragmoplast

(d) Formaltion of the contractile ring transcription from chromosomes

34. Viruses that infect bacterimal multiplication and cause their lysis, are called

(a) lysozymes

(b) lipolytic

(c) lytic

(d) lysogenic 35. A plant require magnesium (Mg) for

(a) holding cells together

(b) protein synthesis

(c) chlorophyll synthesis

(d) cell wall development

36. Which one of the following pairs, is not correctly matched?

Stomatal closure (a) Abscisic acid

Gibberellic acid Leaf fall

(c) Cytokinin Cell division

Cell wall elongation (d) IAA

37. Two cells A and B are contigous. Cell A has osmotic pressure 10 atm, turgor pressure-7 atm and diffusion pressure deficit 3 atm. Cell B has osmotic pressure 8 atm, turgor pressure 3 atm and diffusion pressure deficit 5 atm. The result will be

(a) movement of water from cell B to A

no movement of water

(c) equilibrium between the two

(d) movement of water from cell A to B

38. The Okazaki fragments in DNA chain growth

(a) results in transcription

(b) polymerise in the 3' to 5' direction and forms replication fork

prove semi-conservative nature replication

(d) polymerise in the 5' to 3' direction and explain 3' to 5' DNA replication

39. One gene-one enzyme relationship was established for the first time in

(a) Neurospora crassa

(b) Salmonella typhimurium

(c) Escherichia coli

(d) Diplococcus pneumoniae

40. In gymnosperms, the pollen chamber represents

(a) a cell in the pollen grain in which the sperms are formed

a cavity in the ovule in which pollen grains are stored after pollination

an opening in the megagametophyte through which the pollen tube approaches the egg

the microsporangium in which pollen grains develop

General English

Directions (Q. Nos. 1 to 5) Four alternatives are given for the underlined idiom/phrase. Choose the alternative which best expresses the meaning of the underlined idiom/phrase.

1. The principal has to <u>carry out</u> the orders issued by the higher authorities.

(a) obey

(b) communicate

(c) execute

(d) modify

2. The young engineer was hauled up for spilling the beans about the new project to the competitor.

(a) suppressing the information

(b) hiding the details

(c) revealing the information indiscreetly

(d) spoiling the plans

3. The Government claims that Indian industry is progressing by leaps and bounds.

(a) intermittently

(b) leisurely

(c) at a rapid pace

(d) at a desired pace

4. Laying off of thousands of workers is inevitable under the new economic policy.

(a) Dismissal from jobs of

(b) Offering new jobs to

(c) Reduction of worker's wages of

(d) Sending on leave

5. "I take thee at thy word", said Romeo to Juliet.

(a) Listen to you carefully

(b) Do not believe you

(c) Feel angry with you

(d) Truly believe you

Directions (Q. Nos. 6 to 10) Out of the four alternatives, choose the one which can be substitued for the given words/sentence.

6. To be biased against

(a) partial

(b) objective

(c) prejudiced

(d) predestined

7. Motion of head, hand etc, as a mode of expression indicating attitude

(a) Gesture

(b) Grin

(c) Gestation

(d) Grimace

8. Bitter and violet attack in words

(a) Diaspora

(b) Diacriticism

1,4 13,128 11

(c) Diadem

(d) Diatribe

St. 7 . 1 . () . . .

9. Treatment by means of exercise and massage

(a) Chemotherapy

(b) Hydrotherapy

(c) Physiotherapy

(d) Psychotherapy

10. The abandonment of one's country or cause

(a) Defection

(b) Disloyalty

(c) Desertion

(d) Migration

Directions (Q. Nos. 11 to 12) A part of the sentence is underlined. Below are given alternatives to the underlined parts at (a), (b) and (c) which may imporve the sentence. Choose the correct alternative. In case no improvement is needed, your answer is (d).

11. He declined all the allegations against him.

(a) spurned

(b) refused

STREET S SEC. OF MARKET

(c) refuted

(d) no improvement

12. It is time we leave.

(a) left

(b) have to leave

(c) would leave

(d) no improvement

13. We spent an hour discussing about his character.

(a) on his character

his character

(b) of his character(d) no improvement

14. Afer the letter reached me, I shall know the result.

(a) After the letter reaches

(b) After the letter will reach

(c) After the letter has reached

(d) No improvement

15. I have returned library books yesterday.

(a) had returned

(b) have had returned

(c) returned

(d) no improvement

Directions (Q. Nos. 16 to 20) The first and the last parts of the sentence are numbered 1 to 6, the rest of the sentence is split into four parts and named P, Q, R and S. These four parts are not given in their proper order. Read the parts and find out which of the four combinations is correct.

16. 1. Early to bed, early to rise, makes a man healthy, wealthy and wise.

P. But for the morning tea, I had to wait for someone to get up before me.

Q. This saying inspired me to rise early.

R. That day I was the first to get up.

S. One day I got up early in the morning.

6. Then I realised that it was a waste of time to get up early and wait for the morning tea.

(a) QSRP

(b) QPRS

(c) PQRS

(d) SPQR

17. 1. A wood-cutter was cutting a tree on a river bank.

P. He knelt down and prayed.

Q. His axe slipped and fell into the water.

R. God Mercury appeared before him and asked about the matter.

S. He could not get it back as the river was very deep.

6. He dived into the water and came up with an axe of gold.

(a) RPQS (c) QSRP (b) RPSQ (d) QSPR

10 1 A dec et al : https://www.	AglaSem Admission				
18. 1. A dog stole a piece of meat from a butcher's shop.	(a) Bluntly (b) Partially				
P. He barked in anger.	(c) Entirely (d) Strongly				
Q. He ran to the jungle with the place of meat.	28. Protean				
R. He saw his reflection.	(a) Amateur (b) Catholic				
S. He crossed a river on the way.	(c) Unchanging (d) Rapid				
6. He lost his piece of meat.	29. Predilection				
(a) Q P S R (b) Q S R P	(a) Acceptance (b) Attraction				
(c) QPRS (d) SRPQ	(c) Dislike (d) Choice				
19. 1. Ramai and Samai were two poor young men.	30. Admonish				
P. On market day they sold their labour. Q. They lived near Mahespu.	(a) Condemn (b) Bless				
R. On other days, they remained in the village	(c) Praise (d) Congratulate				
looking for work.	Directions (Q. Nos. 31 to 35) Sentences are				
S. They wanted regular work.	given with blanks to be filled in with an appropriate				
6. The headman gave them two plots. (a) Q P R S (b) R P Q S	and suitable word. Four alternatives are suggested for each question. Choose the correct alternative out				
(a) QPRS (b) RPQS (c) SPQR (d) PQRS	of the four.				
20. 1. Roger wanted to become a doctor.	31. Are you really desirous visiting Japan?				
P. He put away enough money to pay his first year					
fees.	(c) to (d) about				
Q. They could not afford the fees.	32. When Indians from the South move North, they				
R. Undaunted, he got himself a job in the					
dockyard. S. However, he came from a poor family.	own. (a) strange (b) separate				
6. Once enrolled, he was recognised as a gifted					
student, and scholarships took care of the rest of	33. The sky is overcast, we the storm will soon				
his studies.	burst.				
(a) SRPQ (b) PRSQ	(a) expect (b) hope				
(c) SQRP (d) QRSP	(c) trust (d) suspect				
Directions (Q. Nos. 21 to 25) Out of the four	o it a oparation microade illiniii with depiction of				
alternatives, choose the one which expresses the right meaning of the given word.	Order de la constant				
meaning of the given word. 21. Dubious	(a) joined (b) mixed (c) added (d) coupled				
(a) Doubtful (b) Disputable	35. The National Anthem is at every official				
(c) Duplicate (d) Dangerous	function.				
22. Flabbergasted	(a) uttered (b) sung				
(a) Scared (b) Embarrassed	(c) whispered (d) chanted				
(c) Dumbfounded (d) Humiliated	Directions (Q. Nos. 36 to 40) Four words				
23. Eternal	are given in each question, out of which only one				
(a) Innumerable (b) Unmeasurable (c) Prolonged (d) Perpetual	word is wrongly spelt. Find the wrongly spelt word				
24. Genuine	and indicate it in the answer sheet by blackening the appropriate rectangle.				
(a) Authentic (b) Legitimate	36. (a) Accomplice (b) Accompaniment				
(c) Reliable (d) Pure	(c) Accomplishment (d) Accomodation				
25. Obscene	37. (a) Replaceable (b) Replaceing				
(a) Indecent (b) Incorrigible	(c) Replacement (d) Replaced				
(c) Ridiculous (d) Intolerable	38. (a) Relieve (b) Protein				
Directions (Q. Nos. 26 to 30) Choose the	(c) Deceit (d) Frieght				
word opposite in meaning to the given word.	39. (a) Labrinth (b) Laboratory				
26. Despair	(c) Laborious (d) Library				
(a) Belief (b) Trust	40. (a) Comit (b) Comedian				
(c) Hope (d) Faith	(c) Committee (d) Comunication				

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									EDIZYM!
Physics						7 (4)	8. (b)	9. (d)	10. (d)
1. (c)	2. (c)	3. (c)	4. (d)	5. (a)	6. (d)	7. (d)	18. (b)	19. (a)	20. (b)
11. (a)	12. (b)	13. (c)	14. (c)	15. (d)	16. (b)	17. (c)	28. (c)	29. (a)	30. (c)
21. (b)	22. (a)	23. (a)	24. (d)	25. (b)	26. (a)	27. (c)	38. (b)	39. (b)	40. (c)
31. (b)	32. (d)	33. (d)	34. (c)	35. (c)	36. (b)	37. (a)	30. (5)	75	
Chemistr	ry					7 (0)	8. (d)	9. (c)	10. (a)
7 (2)	2. (a)	3. (b)	4. (a)	5. (a)	6. (c)	7. (a)	18. (a)	19. (c)	20. (b)
1. (a)	12. (c)	13. (c)	14. (d)	15. (b)	16. (a)	17. (c)	28. (d)	29. (a)	30. (d)
11. (b)	22. (c)	23. (c)	24. (b)	25. (b)	26. (c)	27. (b)	38. (a)	39. (b)	40. (c)
21. (a)	32. (d)	33. (d)	34. (b)	35. (c)	36. (d)	37. (c)	30. (a)		
31. (b)	32. (a)					T CONTRACT			
Zoology		10:				7 (b)	9 (c)	9. (d)	10. (c)
	2. (d)	3. (d)	4. (b)	5. (c)	6. (d)	7. (b)	8. (c) 18. (a)	19. (d)	20. (c)
1. (d)	12. (c)	13. (a)	14. (a)	15. (a)	16. (d)	17. (d)	28. (c)	29. (c)	30. (b)
11. (c)		23. (a)	24. (c)	25. (c)	26. (b)	27. (d)		39. (a)	40. (c)
21. (d)	22. (a) 32. (a)	33. (b)	34. (a)	35. (b)	36. (a)	37. (c)	38. (a)	33. (3)	AAAV
31. (c)	32. (a)								
Botany						- (-)	9 (0)	9. (a)	10. (b)
	2 (h)	3. (d)	4. (a)	5. (a)	6. (d)	7. (a)	8. (c) 18. (d)	19. (b)	20. (b)
1. (c)	2. (b)	13. (b)	14. (d)	15. (d)	16. (b)	17. (c)	28. (a)	29. (b)	30. (d)
11. (b)	12. (c)	23. (d)	24. (c)	25. (b)	26. (b)	27. (c)	38. (a)	39. (a)	40. (b)
21. (c)	22. (a)	33. (a)	34. (c)	35. (c)	36. (b)	37. (d)	30. (a)	TA A A A A	
31. (c)	32. (d)								
General E	nglish				(0)	7 (0)	8. (d)	9. (c)	10. (a)
		3. (c)	4. (a)	5. (d)	6. (c)	7. (a)	18. (b)	19. (a)	20. (c)
1. (c)	2. (c)	13. (c)	14. (a)	15. (c)	16. (a)	17. (d)	28. (c)	29. (c)	30. (c)
11. (d)	12. (a)	23. (d)	24. (a)	25. (a)	26. (c)	27. (b)	38. (d)	39. (a)	40 . (d)
21. (a)	22. (c)	33. (d)	34. (d)	35. (b)	36. (d)	37. (b)	30. (u)		
31. (a)	32. (c)	33. (a)							

31. (a)