MSSE MODEL PAPER 2019

SCIENCE

Section A: Multiple Choice Questions Marks: 40 Time: 50 Minutes

711	سواليه پر چه	جوانی پرچہ
Q.2	Choose the correct sentence.	1. A B C D
	A. She written a letter.	2. (A) (B) (D)
	B. She is write a letter.	3. A B C D
	C. She wrote a letter.	4. A B C D
	D. She is written a letter.	ردی کی مثال میں موال فرر 2 کاورست جواب C ب جس کے لئے جوانی پیش موال فرر 2 کسمان ت کا وائر و باورگ شن گرا ہوا ہے۔
		چیش موال تمبر2 کے سامنے C کا وائرہ سیاہ رنگ میں مجرا ہوا ہے۔

بدايات	
برسوال کے جارمکنہ جوابات دیے محتے ہیں۔ان میں سے صرف ایک جواب درست	.1
ہے۔جوابات کے لئے دیئے گئے علیحدہ جوانی پر ہے پر متعلقہ دائرے میں سیاہ رنگ	
بھریں۔سوالیہ پر ہے پر جوابات کےنشان ندلگا ئیں۔	
جواب میں ایک سے زیادہ دائر سے بھرنے سے جواب فلط تصور ہوگا۔	.2
سواليد پره پر پر سوال نمبر مثلا 1 ,3, 4, 3, 2 اوراس كي مجيح جواب	.3
شلا D, C, B, A کو نوٹ کریں اور اس کے بعد جوابی پر بے پرا ہی سوال نمبر	
کے سامنے سیح جواب کا دائرہ بھریں۔	

Q1.	Which of the following parts of the brain changes the size of the pupil to control the amount of light entering the eye? A. Cerebrum B. Cerebellum C. Mid brain D. Medulla oblongata	Q2.	All of the following are main organs of excretory system EXCEPT: A. Ureter B. Urethra C. Gall bladder D. Urinary bladder
Q3.	The medical technique which is used as a treatment by doctors in case of kidney failure is A. lithotripsy. B. transplant. C. dialysis. D. ultrasound.	Q4.	Which of the following is correct about meiosis? A. It occurs in somatic cells. B. Two daughter cells are formed. C. Daughter cells have a complete set of chromosomes. D. The number of chromosomes is reduced to half.
Q5.	The number of daughter cells formed at the end of mitosis is A. 2. B. 4. C. 6. D. 8.	Q6.	A. vacuole. B. ribosome. C. chromosome. D. cell membrane.
Q7.	Which of the following is involved in the transference of characters from parents to children? A. Cell membrane B. Vacuole C. Nucleus D. Ribosomes	Q8.	Restriction enzymes are used in biotechnology to A. cut the gene. B. bind the gene. C. make the gene. D. destroy the gene.

Q9.	Biotechnology is used in all of the following fields EXCEPT:	Q10.	A genetically modified cow can produce more		
	A. Production of vaccines B. Recycling of waste products C. Synthesis of inorganic compounds D. Increasing nutritional value of food		A. quantity of milk.B. solid waste.C. identical offspring.D. oxygen gas.		
Q11.	Which of the following air pollutants is a major cause of breakdown of the ozone layer? A. O ₂ B. SO ₂ C. CFCs D. NO ₂	Q12.	Carbon monoxide is responsible to cause A. loss of speech. B. decreased hearing. C. increased muscular coordination. D. loss of vision.		
Q13.	Which of the following traps the rays of the sun and keep our earth warm? A. Ozone layer B. Acid rain C. Deforestation D. Greenhouse effect	Q14.	Which of the following can cause skin cancer on exposure? A. Infrared B. X-rays C. Ultraviolet rays D. CFCs		
Q15.	Which of the following chemical reactions takes place inside the human body? A. Photosynthesis B. Respiration C. Formation of CaCO ₃ D. Formation of CaO	Q16.	$\begin{array}{l} \text{Which of the following is a balanced} \\ \text{chemical equation?} \\ \\ \text{A. } & 4\text{H}_2\text{S}_{(g)} + 2\text{SO}_{2(g)} \rightarrow 3\text{H}_2\text{O}_{(l)} + 3\text{S}_{(s)} \\ \\ \text{B. } & 2\text{H}_2\text{S}_{(g)} + \text{SO}_{2(g)} \rightarrow 2\text{H}_2\text{O}_{(l)} + 3\text{S}_{(s)} \\ \\ \text{C. } & \text{H}_2\text{S}_{(g)} + 2\text{SO}_{2(g)} \rightarrow 2\text{H}_2\text{O}_{(l)} + \text{S}_{(s)} \\ \\ \text{D. } & 2\text{H}_2\text{S}_{(g)} + \text{SO}_{2(g)} \rightarrow 2\text{H}_2\text{O}_{(l)} + \text{S}_{(s)} \\ \end{array}$		
Q17.	2Na + Cl₂ → 2NaCl The state of Cl₂ and NaCl in the given chemical reaction is A. gas and solid. B. liquid and liquid. C. solid and liquid. D. liquid and gas.	Q18.	CaCO ₃ → CO ₂ + CaO _(s) The given reaction is an example of A. an addition reaction. B. a decomposition reaction. C. a physical reaction. D. a neutralization reaction.		
Q19.	HCl + NaOH → NaCl + H₂O In the given reaction, the products are A. acid and alkali. B. alkali and water. C. salt and acid. D. salt and water.	Q20.	When methyl orange is added to vinegar, the colour of the vinegar changes to A. red. B. pink. C. yellow. D. blue.		

Q21.	The unit of pressure is A. Newton. B. Pascal. C. Candela. D. Ampere.	Q22.	When the piston is pushed downward as shown in the figure, the water flows out with high pressure from A. hole A. B. hole B. C. hole C. D. all holes.
Q23.	According to Boyle's law if the pressure of a gas is doubled, then its volume becomes A. doubled. B. one half. C. quarter. D. remains same.	Q24.	Candela is the unit of A. temperature. B. electric current. C. intensity of light. D. amount of a substance.
Q25.	2 kilogram is equal to A. 0.2 grams B. 20 grams C. 200 grams D. 2000 grams	Q26.	Which of the following instruments can be used to find out height of a piece of chalk? A. B. D.
Q27.	Thermal expansion of solids results in an increase in all of the following EXCEPT: A. Length of the solid B. Area of the solid C. Volume of the solid D. Density of the solid	Q28.	In winter, water pipes burst due to A. expansion of water. B. contraction of water. C. expansion of pipes. D. contraction of pipes.
Q29.	Provision of gaps between railway tracks is made to avoid damages caused by A. thermal expansion. B. thermal contraction. C. force of friction. D. force of gravity.	Q30.	Overhead telephone cables between two poles are given a certain amount of sag, so that they cannot break in cold weather due to A. pressure. B. contraction. C. expansion. D. elasticity.

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Q31.	Which of the following is correct for convex lenses? A. Thicker from the edges	Q32.	When an object is placed in front of convex lens between F and 2F, the image formed will be
	B. Converge light rays C. Diverge light rays D. Partially silvered		 A. real, inverted and equal in size. B. real, inverted and larger in size. C. real, inverted and smaller in size. D. virtual, erect and magnified.
Q33.	The types of lens used in the overhead projector are	Q34.	The part of the camera which works like pupil of the human eye is
	 A. biconcave and biconvex. B. concavo-convex and convexo-concave. C. plano convex and plano concave. D. double convex lens and double concave lens. 		A. lens. B. shutter. C. film. D. mirror.
Q35.	Dynamo is a device of producing	Q36.	Generator is a device that converts
	A. mechanical energy.B. electrical energy.C. solar energy.D. nuclear energy.		mechanical energy into A. chemical energy. B. thermal energy. C. electrical energy. D. kinetic energy.
Q37.	Which of the following devices is used to store electric charges?	Q38.	Which of the following makes it easy for men to survive in space?
	A. Resistor B. Capacitor C. Transistor D. Diode		A. High temperature B. Zero gravity C. Space suit D. Zero pressure
Q39.	Spacecraft is protected from the effects of fog by using	Q40	Which of the following space technologies provides better images for X-rays?
	A. liquid-cooled garments. B. anti-corrosion coatings. C. sensor. D. apollo.		A. Archaeology B. Vision research C. Active Pixel Sensor D. Global Positioning Satellites

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	on B: Constructed Respor		Roll No.						
	3. سوال کاجواب وی ائی جگدید تحرید کرید Classify the following actions writing, reading, inhaling, sp	سوہل کو غورسے پڑھیں۔ as voluntary or invo	oluntary a	ction.	2	دری ہے۔			
Q2 . a.	Define biotechnology.						(Tot	al 6 M (2 I	arks) Marks)
b.	lbad is a tall, fair boy with blue Which of the above character					ry intell	igent.	(41	Marks)
Q3. a.	Name TWO pollutants that ca	n cause acid rain.	VVhich ac	ds are	formed	d during		a l 6 M ain?(4	

b.	Name TWO sources which add sulphur diox	ide in the atmosphere. (2 Marks)
Q4 . Differ	rentiate between exothermic and endothermic read	(Total 6 Marks) ctions. Give at least THREE points.
	Exothermic Reaction	Endothermic Reaction
Q5. a.	Give THREE uses of acids from daily life.	(Total 6 Marks) (3 Marks)
 b.	Describe how an aerosol works.	(3 Marks)
Q6.		(Total 6 Marks)
		(1 Mark)

	Convert	(2 M	arks)
i. 	1 millisecond to second		
ii.	1 m to cm		
-	Complete the following by using prefixes.	(3 N	larks
i.	10 ⁻⁶ gm =		
ii.			
	10 ⁻³ gm=		
iii. THR	10 ⁻³ gm=	(Total 6 Ma es, roads and railway tracks. Su	
iii. THR	10 ³ gm =		
iii. THR	10 ³ gm =		
iii. THR	10 ³ gm =		
iii. THR	10 ³ gm =		

Marks)
(1 Mark)
(2 Marks)
(3 Marks)

Q10. State any FOU	R benefits caused	l by the technology	y of the space e	exploration. De	(Tot escribe any T	al 6 Marks) NO of them.