8th Class Science Models Papers 2013 Exam

Part-A (Multiple Choice Questions) 60 Marks

Time Allowed: 1 hour 20 minutes

Instruction:- Forty (40) Multiple Choice Questions (MCQs) are given in this part. Attempt all questions. All questions carry equal marks. Mark correct option on computerized answer sheet.

- Q. No.1. Chlorine gas is used in the home water supply system during raining season to kill the micro organisms named.
- (a) Algea (b) Bacteria (c) Fungi (d) Virus
- Q. No.2. Which one of the following radicals carry variable charges.
- (a) Zn2+ (b) Fe3+ (c) Mg2+ (d) Na+
- Q. No.3. Select the micro organism that is "NOT" cellular:
- (a) Algea (b) Bacteria (c) Fungi (d) Virus
- Q. No.4. Current is flow of:
- (a) Charge (b) Electron (c) Neutron (d) Proton
- Q. No.5. The atoms in one molecule of water (H
- 20) are in the ratio of
- (a) 1:2 (b) 2:1 (c) 1:4 (d) 4:1
- Q. No.6. Green house is a room made of:
- (a) Bricks (b) Iron (c) Glass (d) Wood
- Q. No.7. Two cells are connected in series in a circuit riter by is a cheet in the biracit. then the current in the circuit will be:
- (a) Increased (b) Decreased
- (c) Remained same (d) First increase then decrease
- Q. No.8. Example of sedimentary rocks is
- (a) Basalt (b) Clay (c) Marble (d) Gypsum
- Q. No.9. In the given diagram, the virtual image is formed when the body is placed at the point
- (a) A (b) B (c) C (d) D
- Q. No.10. In order to make their own food, plant leaves absorb
- (a) Minerals (b) Oxygen (c) Rain (d) Sunlight
- Q. No.11. Cold blood group of animals is
- (a) Crocodile, Ostrich (b) Ostrich, Kiwi
- (c) Sparrow, Crocodile (d) Tortoise, Crocodile
- Q. No.12. Current can pass through
- (a) Iron (b) Plastic (c) Rubber (d) Wood
- Q. No.13. If the potential difference across a bulb is increased from 2 volt to 5volt. Then the quantity of current through the bulb will:

- (a) Decrease (b) First decreases then increases (c) Increase (d) First increases then decreases Q. No.14. When water boils (a) Gas becomes solid (b) Liquid becomes solid (c) Liquid becomes gas (d) Solid becomes liquid Q. No.15. The depletion of ozone layer is happening in the atmosphere due to (a) Less industrialization (b) Excessive industrialization (c) Excessive plantation (d) Excessive use of Pesticides Q. No.16. Which one of the following is a chemical change: (a) Boiling of milk (b) Boiling of water (c) Boiling of egg (d) Melting of ice Q. No.17. The disease that can transfer to the next generation is (a) Cholera (b) Hemophila (c) Influenza (d) Malaria Q. No.19. The symbol of Cobalt is (a) Cr (b) Co (c) Ca (d) CO Q. No.20. The Galvanometer will detect current when the magnet is (a) Far away from the coil (b) High above the coil (c) Moving in the coil (d) below near the coil Q. No.21. Salt that is used for the treatment of goiter disease is (a) lodine (b) Magnesium (c) Potassierdu (ch Speimal. pk By Adeel Abbas Q. No.22. When two hydrogen atoms and one oxygen atom combine chemically they form: (a) Compound (b) Element (c) lon (d) Mixture Q. No.23. Diamond is most likely used in making of (b) Electrode (a) Bangles (c) Jewellery (d) Electric bulb Q. No.24. Chromoses are chemically composed of DNA and (a) Carbohydrates (b) Fats (c) Protein (d) Vitamins Q. No.25. Example of Non-Crystalline forms of carbon is (a) Charcoal and Coal (b) Charcoal and Bucky ball (c) Coal and Graphite (d) Coke and Diamond Q. No.26. The group of dicotyliden plants is (a)Apple, Pea, Maize (b) Pea, Rose, Orange (c) Rice, Apple, Sarsoon (d) Wheat, Mango, Sugarcane
- (c) Vegetable oil and Animal fat

(a) Animal fat and Sodium Bicarbonate
(b) Vegetable oil and Sodium Carbonate

Q. No.27. Soap is prepared by heating the mixture of

(d) Vegetable oil and Sodium Hydro oxide Q. No.28. Conefers are the plants which have (a) Cones and small leaves (b) Naked seeds and Needle leaves (c) Naked seeds but no leaves (d) Seeds and flowers Q. No.29. If you dip your finger inside a liquid. The pressure exerted by the liquid on your finger would be (a) Different at all parts (b) Minimum on lower part (c) Maximum on upper part (d) Same at all parts Q. No.30. If charge on Zinc is 2 Q. No.31. The eye colour of Amina's mother is brown. The colour of eyes of Amina will be. (a) Black (b) Brown (c) Blue (d) Green Q. No.32. 20 C Temperature in Kelvin scale is (a) 253 k (b) 273 k (c) 293 k (d) 313 k Q. No.33. Marble and Quartzite are the example of rocks called: (a) Igneous (b) Metamorphic (c) Sedimentary (d) Igneous and Sedimentary Q. No.34. If your family member the structure of bon which know ye Archese for beatment may be used for artificial breathing (a) Carbon monoxide and Oxygen (b) Carbon dioxide and Oxygen (c) Chlorine and Carbon dioxide (d) Hydrogen and Carbon mono oxide Q. No.35. Comets revolve around the (a) Earth (b) Moon (c) Sun (d) Star Q. No.36. If two ends of a bulb are connected with the positive terminal of the battery, the bulb will (a) be lighted (b) be Fused (c) First lighted then fused (d) not lighted Q. No.37. Solids ionic compound behaves at normal temperature as (a) Conductor (b) Insulator (c) Semi-Conductor (d) Super Conductor Q. No.38. One of your class fellows has fungus problem on his skin which substance will be applied along with sulphur for treatment (a) Calcium Hydro oxide (b) Calcium Oxide (c) Sodium Carbonate (d) Sodium Hydro oxide Q. No.39. Na2CO3 represents the chemical formula of (a) Barium Carbonate (b) Calcium Carbonate

- (c) Potassium Carbonate (d) Sodium Carbonate
- Q. No.40. When a light ray enters from lighter medium to denser medium at right angle, it
- (a) Bends towards normal
- (b) Bends away from normal
- (c) Does not change its path (d) Reflects back in lighter Medium

#### Subjective Part --- 40 Marks

Q.41....What is hematite?

Write six uses of iron?

Write five uses of gypsum?

Q.42-What is envirnment degradation?

Write different forms of envirnment degradation?

Write four steps to save envirnment?

Q.43-How is co2 is prepared?

Write four properties of co2?

Write four uses of co2?

Q.44-What is nebula?

How glaxies are formed?

Exlain milky way glaxy www.educational.pk By Adeel Abbas

(c)	Give five uses of $H_2SO_4$ . (4)
Q. 44	(a) What is thermal expansion of solids? (2)
(b)	Give three examples of thermal expansion of solids from daily life. (4)
	FC> Y 31 (2+7)
(c)	How can you prove thermal expansion and contraction of solids? (4)
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# Punjab Examination Commission Class 8th 2011

Mathematics 20 Minutes

Part: (A)

Time: 1 Hour 20 Minutes

Marks: 60

(Multiple Choice Questions)

Specific Instructions: Forty (40) Multiple Choice Questions (MCQs) are given in this part. Attempt all questions. All questions carry equal marks.

Q. 1. If Set  $A = \{0, 1, 2\}$  and  $B = \{1, 2\}$ , then relation between A and B is:

(a)  $A \subseteq B$ 

(b)  $B \subseteq A$ 

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	in its shape and cor	nposition." This is the
4	statement of:	
1 1 1	(a) Law of constant prop	ortion
	(b) Combination or synth	nesis reaction.
	(c) Law of conservation	of mass
	(d) Simple decomposition	P <sup>q</sup>
Q. 8.	The taste of bases is:	
	(a) Sour	(b) Sweet
	(c) Bitter	(d) Salty
Q. 9.	Which of the following of bees stings?	is used for the treatment
	(a) Calcium chloride	(b) Acetic acid
	(c) Copper sulphate	
	(d) Ammonium hydroxid	de
O. 10		ened during summer. It is
	because that in summer;	
	(a) more current passed	in it
	(b) more birds sit on it	
	(c) more storms and fast	wind blow
	(d) temperature increase	
0.11.		d beyond 2F, the image is
	formed at:	
164.4	(a) between F and 2F	(b) at F
	(c) at 2F	(d) beyond F and 2F
Q. 12	. Which two are similar in	human eye and camera?
	(a) Retina of eye and file	
• •	(b) Cornea of eye and le	ns in camera
	(c) Retina of eye and ap	erture of camera
3	(d) Ciliary muscles of ey	ye and aperture of camera
Q.13.		thicker when eye look on
4	objects which are:	en e
	(a) Close	(b) Very close
	(c) Distant	(d) Very distant

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Q.14. Viruses caused dangerous diseases in human
being are:
(a) Fever, flue and cough
(b) Hepatitis B and C, Cancer and AIDs
(c) Headache, fever and T.B
(d) Belly pain, flue and cough
Q.15. Bacteria causes canker disease in:
(a) Peach (b) Apple
(c) Potatoes (d) Lemon
Q.16. Which of the statement is correct, if there are no
bacteria in the environment?
(a) Environment will be beautiful
(b) There will be no disease
(c) There will be no garbage
(d) There will be a lot of garbage
Q.17. An example of the group of heterotrophic plants is:
(a) Ferns (b) Mosses
(c) Algaev W. pakst(d) Fungi om
Q.18. A muscular foot used for locomotion is present in:
(a) Sea cucumber (b) Snail
(c) Prawns (d) Corals
Q.19. Snakes are not seen in winter because they are:
(a) Reptiles (b) Creeping animals
(c) Cold blooded animals
(d) Warm blooded animals
Q.20. Better growth of plants require:
(a) Suitable light (b) High temperature
(c) Low temperature (d) Less light
Q.21. With the increase of population and proper use of
manpower what will happened?
(a) Per capita income will increase
(b) Resources will be reduced
(c) Agricultural product will be reduced

### Punjab Examination Commission Class 8th 2011 Science Part: (A) Time: 1 Hour 20 Minutes Marks: 60 (Multiple Choice Questions) Specific Instructions: Forty (40) Multiple Choice Questions (MCQs) are given in this part. Attempt all questions. All questions carry equal marks. Q. 1. Which of the following diseases are heredity in nature: (a) Cold & fever (b) T.B & Hemophilia (c) Thalasemia + Hemophilia (d) Thalasemia and T.B. Q. 2. Genes are present on: (a) Chromosomes (b) DNA (d) Nucleus (c) Protein Q. 3. The radiation of sun entered into a greenhouse, could not comes out because they are having: (a) Shorter wavelength (b) Medium wavelength (c) Longer wavelength (d) Infrared region Q. 4. The disease is caused due to ozone depletion: (a) Respiratory disease (b) Cancer (c) Heart attack (d) AIDS Q. 5. The reason of wildlife distinction may be: (a) Acid rain (b) Greenhouse effect (c) Ozone layer depletion (d) Deforestation Q. 6. Which of the following is balanced equation? (a) $2Na + CO_3 + H_2SO_4 \rightarrow Na_2SO_4 + H_2O + CO_2$ (b) $CaCl + HCl \rightarrow CaCl_2 + H_2O + CO_2$ (c) $Mg + HCl \rightarrow MgCl_2 + H_2$ (d) Fe + Cl<sub>2</sub> $\rightarrow$ FeCl<sub>3</sub>

O. 7. "Matter can neither be created nor destroyed

during a chemical reaction but it undergo change

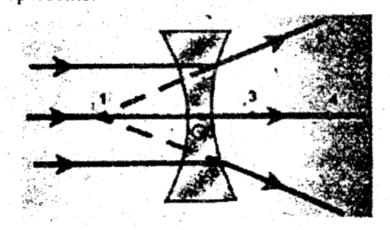
### Punjab Examination Commission Class 8th 2010 Part: (A) Science Marks: 60 Time: 1 Hour 40 Minutes (Multiple Choice Questions) Specific instructions: Forty (40) Multiple Choice Questions (MCQs) are given in this part. Attempt all questions. All questions carry equal marks. Q. 1. In the beginning of universe, a tremendous explosion due to which whole condensed matter scattered for away in space was: (b) Black hole (a) Supernova (d) Red giant (c) Big Bang Q. 2. The compound used to produce bakery products (a) Washing Soda (b) Baking Soda (c) Caustic Soda (d) Soda ash Q. 3. Innumerable pieces of rocks revolving around the sun in a belt between Mars and Jupiter are: (b) Asteroids (a) Comets (d) Red Dwarfs (c) Meteoroids Q. 4. The presence of excessive mixture of different gases in the air creates: (a) Environmental degradation (b) Weather changes (c) Green-house effect (d) Global warming Q.5. The basic causes of environmental degradation are: (b) Human activities (a) Floods (d) Forestation (c) Water pollution

Q. 6. When we pass carbon dioxide through lime water	,
milkyness appears due to formation of:	
(a) Calcium Carbonate	
(b) Magnesium Carbonate	4.5
(c) Sodium Carbonate	
(d) Sodium Hydroxide	
Q. 7. What is used in atomic reactors to reduce the	3
speed of neutrons?	
(a) Diamond (b) Water	
(c) Coke (d) Graphite	
Q. 8. The particles of an atom which take part in ionic	2
bond formation are:	
(a) Electrons (b) Protons	
(c) Neutrons (d) Positrons	
Q. 9. The chemicals used for the preparation o	f
detergents are:	
(a) Naphtha, Sulphuric acid, Washing Soda	
(b) Nitric acid, Naphtha, Washing Soda	
(c) Hydrochloric acid, Naphtha, Baking soda	
(d) Naphtha, Sulphuric acid, Baking Soda	
Q. 10. The group which contains igneous rocks is:	
(a) Pegmatite, Granite (b) Peat, Coal	
(c) Gypsum, Lignite (d) Marble, Graphite	
Q. 11. Rock Salt is used in the preparation of:	
(a) Steel and Alloys	
(b) Coins and Wires	
(c) Bricks and Electricity	
(d) Textile and Dry meat	-
Q. 12. The bodies in space which can shield the sunlight	t
on earth and may cause the end of life on earth	1
are:	
(a) Asteroids (b) Comets	
(c) Meteoroids (d) Black holes	

(a) 400 times smaller (b) 350 times smaller	rs than the sun are found: to 900 times bigger to 1200 times bigger
(c) 300 times smaller	
(d) 450 times smaller	to 1000 times bigger
Q. 14. When the core of a su	pergiant suddenly collapses
it creates a huge exp	olosion light than all other
stars of the galaxy, the	nis huge explosion is called
as:	
(a) Red Dwarf	(b) Black Hole
(c) Black Dwarf	(d) Supernova
Q. 15. The number of eleme	nts present in the compound
$Ca_3 (PO_4)_2$ are:	7
(a) 3	(b) 4
(c) 5	(d) 6
Q. 16. Overcrowding in citie	es as compare to villages is
mostly due to paks	tudy.com
(a) Greater jobs, mor	e factories and schools
	etter health facility and
education	to and beautiful
(c) Greater jobs, mor	e playgrounds and hospitals
(d) Greater jobs, mor	e food and playgrounds
Q. 17. A group of animals	which produces more wool,
	gs as a result of genetic
engineering is:	
(a) Cow, buffalo, goa	
(b) Cow, pigeon, elep	The state of the s
(c) Sheep, buffalo, pa	
(d) Elephant, pigeon,	parrot and buffalo
	my characters similar to their
parents because of:	
(a) Adaptation	(b) Cytoplasm
(c) Variations	(d) Inheritance

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-	Q. 19. The most best statement about ozone is:
	(a) A gas which envelops the earth
	(b) A liquid which envelops the earth
	(c) A liquid which absorbs U.V rays
	(d) A solid which envelops the earth
4	Q. 20. The symbol for the metallic element commonly
	used in electric wiring at domestic level is:
	(a) Fe (b) Au
	(c) Cu (d) Ag
	Q. 21. Indicate the group of elements showing variable
	charges:
2-10	(a) Aluminum and Sodium
*	(b) Copper and Iron
	(c) Calcium and Potassium
	(d) Iron and Potassium
	Q. 22. The metal, which liberate hydrogen by reacting
`	with acids is:
*,	(a) Gold W. Dakstu(b) Magnesium
	(c) Mercury (d) Silver
	Q. 23. You are eating tomatoes, the acid which you are
	taking is:
-	(a) Acetic acid (b) Citric acid
i	(c) Formic acid (d) Oxalic acid
	Q. 24. You are visiting a soap factory, the most probable
	base which may be present in the factory will be:
	(a) Aluminum hydroxide (b) Calcium hydroxide
	(c) Lime water (d) Sodium hydroxide
	Q. 25. When calcium carbonate is mixed with sulphuric
è	acid:
	(a) Reaction starts and then stops
	(b) Reaction does not start
	(c) Reaction starts and continues
	(d) Reaction starts after some time

Q. 26. In a chemical reaction CaCO <sub>3</sub> + H <sub>2</sub> SO <sub>4</sub> →, the products are:	e
(a) $CaCO_3$ and $CO_2$ (b) $H_2SO_4$ and $CO_2$	
(c) H <sub>2</sub> O, CO <sub>2</sub> and CaSO <sub>4</sub> (d) CaCO <sub>3</sub> and CaSO <sub>4</sub>	
Q. 27. Three cells are connected in series in a circuit.	l
one cell is removed from this circuit, now wit	h
two cells the current in circuit will be:	
(a) Increased (b) Decreased	
(c) Remained Same (d) Become Zero	
Q. 28. An oven uses 1.5 kilo watt hour energy in on	e
hour. Its power consumption in watt will be:	
(a) 1000 (b) 1500	
(c) 2000 (d) 3000	
Q. 29. While heating the water above "0C" up to 4C"	,,
the density of water will:	
(a) Keep increasing (b) Keep decreasing	
(c) Remain same (d) Become zero	
Q. 30. In fission reaction, energy is released when atom	s
are www.pakstudy.com	
(a) Broken (b) Combined	
(c) Heated (d) Burned	
Q. 31. A beam of light passing through a concave lens	e
is shown in figure. Point "1" in the figur	
represente:	_



(a) Optical Center (b) Center of curvature

	(c) Principal focus	s (d) Principal axis
	Q. 32. Bacteria cause "fi	
	•	ange (b) Apple and Peach
		on (d) Apple and Potato
		le area for the installation of
	cement industry is	
	(a) Coastal	(b) Plain
	(c) Desert	(d) Rock
	` /	ch history of earth is hidden are
	called:	
	(a) Intrusive	(b) Sedimentary
	(c) Extrusive	(d) Metamorphic
	Q. 35. The complexion	of Saadia's elder and younge
		. The complexion of Saadia wil
	be:	3 6 7
	(a) Dark	(b) Fair
	(c) Less dark	(d) More fair
	-	Asad whole family is tall and
	complexion is bl	lack. Height and complexion o
	Asad will be:	
		tht and dark complexion
	(b) Short height a	and dark complexion
		s dark complexion
	(d) Tall with darl	•
		e of water in Fahrenheit scale is:
	$(a) 20 F^{\circ}$	(b) 42 F°
	(c) 68 F°	(d) $212  F^{\circ}$
		al with un-segmented soft bod
		soil and moves with the help of
	muscular foot. It	will be placed in group:
-	(a) Sponges	(b) Jelly Fishes
	(c) Worms	(d) Shelled animals
	Q. 39. The non-luminou	is part of flame is at:



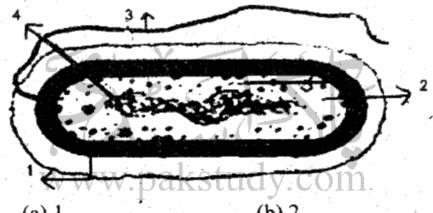
(a) 1

(b) 2

(c) 3

(d) 4

Q. 40. In the figure, DNA (Chromosome) is represented at:



(a) 1

(b)2

(c)3

(d)4

## Punjab Examination Commission Class 8th 2010

Science

Part: (B)

Time: 1 Hour 20 Minutes

Marks: 40

(Open Ended Questions)

Specific Instructions; This part has 4 Open Ended Questions. Please use blank space give below the question to write the answer.

Q. 41.

What do you meant by Detergents? (1)

(2)

(2)	Give the names of two chemicals required for preparation of detergents.	the (4
(3)	Detergents are better than soap. Explain.	(4
		1
Q. 42.		
(1)	Define environmental degradation.	(2
(2)	Explain an example of environmental degrada	+:0
(2)	with the help of diagram.	(2
i. National production of the control o		
(3)	Describe in detail, how man is caus	sin
	environmental degradation.	(6
		<del></del> -
		-
Q. 43.		

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(1)	Which is the acid who helps the digestion in human stomach? (2)
(2)	Give two uses of acetic acid. (3)
(2)	Give two uses of accide acid.
•	
(3)	Sulphuric acid is the "King of Chemical." Justify
	this statement. (5)
	CAb Y-16 Edin
	(5, 6, 7)
	Y S
0.44	
Q. 44 (1)	What is meant by thermal expansion of solids? (2)
	P <sub>0</sub>
(2)	Give three examples of thermal expansion of
• 125	solids from daily life. (3)
(3)	How can you prove thermal expansion and contraction of solids? (5)
· · · · · · ·	

and the second s	
(d) Problem will be in	ncreased
Q.22. The symbol of chloring	ne is:
(a) Ca	(b) Co
(c) Au	(d) Cl
O.23. If their exist no chem	ical bond between two atoms
of oxygen, then:.	
(a) there will less oxy	gen in environment
(b) the life of human	being and animal will be in
danger	
(c) ozone layer will b	e depleted
(d) there will huge in	crease of oxygen in the air
Q.24. In covalent bonding,	two atoms have common:
(a) electrons	(b) protons
(c) neutrons	(d) nuclei
Q.25. In compound form, t	he carbon is found in:
(a) Diamond	(b) Graphite
(c) Coal	(d) Petroleum
	milky due to formation of:
(a) Ca(HCO <sub>3</sub> ) <sub>2</sub>	IUU(b) Na <sub>2</sub> CO <sub>3</sub>
(c) MgCO <sub>3</sub>	(d) CaCO <sub>3</sub>
Q.27. The equation for soa	p preparation is given below:
Sodium Hydroxide	+ Vegetable oil/ Animal fats
	soap the by-product obtained
along with soap is:	
(a) Glycerin	(b) Sodium
(c) Hydrogen	(d) Oxygen gas
Q.28. There is a water tank	k on the roof of fourth story of
the building. Water	is supplied through a pipe to
	Which of the stories will have
low pressure.	Mark Circuit
(a) first	(b) second
(c) third	(d) fourth
Q.29. The value of 50°C of	on Fahrenheit scale would be:
(a) 65°F	(b) 76°F

(d) 122°F (c)  $140^{\circ}$ F Q.30. Four electric circuits are shown below. The potential difference is greater in the circuit: C D (b) B (a) A (d) D (c) C Q.31. The change of energy take place in a dry cell is: (a) chemical to electrical (b) chemical to mechanical (c) electrical to kinetic (d) electrical to nuclear Q.32. In your classroom, there are 4 fans of 100 watt used for 5 hours daily and 3 bulb of 100 watt used for 5 hours daily. The electric power consumed in a day in your classroom is: (b) 15 KWH (a) 1 KWH (d) 35 KWH (c) 25 KWH Q.33. Example of intrusive rocks is: (b) Pegmatite (a) Grannite (d) Basalt (c) Marble Q.34. Clay gravel, sand stone and chalk, are the example of: (b) Sedimentary rocks (a) Igneous rocks (c) Metamorphic rocks (d) Intrusive rocks Q.35. The characteristics estimated by the geologist for animal from their footprint is: (b) weight only (a) size only

(c) size and weight only	(d) body structure only			
Q.36. Paleontologist has com	e to know the reason of			
	server condition with the			
help of:				
(a) fossils	(b) mineral			
(c) rocks	(d) metals			
Q.37. Which one is used in	paint manufacturing and			
photography?				
(a) Coper	(b) Iron			
(c) Chromium	(d) Topaz			
Q.38. The pieces of rocks re	evolving around the sun			
between Mars and Jupite				
	(b) Comets			
(c) Meteoroids	(d) Dwarfs			
Q.39. The milky way galaxies	lies at which lunar year			
distance from its cenntre	S			
(a) 2000	(b) 3000			
(c) 4000	(d) 5000			
Q.40. About 15. billion Use	ars ago, Sudden and			
	the huge dense ball of			
hydrogen happened. This	explosion is called:			
(a) Constellation	(b) big Bang			
(c) Meteoroids	(d) Asteroids			
Bunish Examination Com				
Punjab Examination Comp				
Science Part: (B)				
Time: 1 Hour 10 Minutes	Marks: 40			
(Open Ended Questions)  Specific Instructions: This part has 4 Open Ended				
Questions Please was blank	art nas 4 Open Ended			
Questions. Please use blank	space given below the			
question to write the answer.	10			
Q. 41. (a) What is meant by roc	k? (2)			
a contract of the contract of				

	135	
(b)	Write the types of rocks.	(4)
1. T.		
(c)	How sedimentary rocks are formed? Explain.	(4)
Q. 42.	(a) Define convex and concave lens.	(2)
	76 × 316+7	
(b)	Write three uses of lenses.	(4)
	www.pakstudy.com	
(c)	How we can calculate the focal length of corlens? Explain.	1vex (4)
Q. 43.	(a) Define acid.	(2)
(b)	Write three characteristics of acid.	<del></del> (4)
		( <del>4)</del> 