

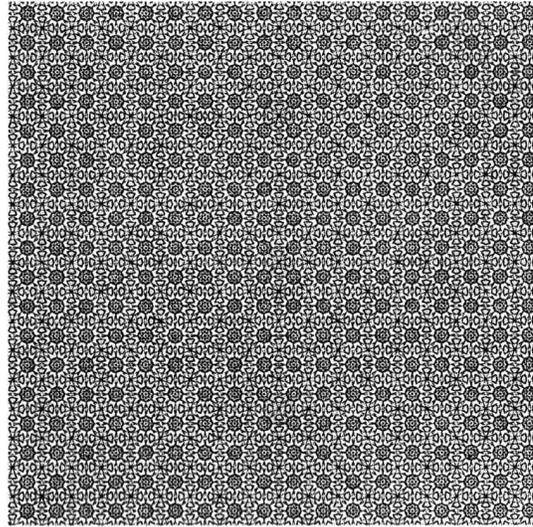
INSTRUCTIONS TO CANDIDATES

The Candidate shall

1. Produce the admission card on demand to competent authorities during the examination.
2. Enter the seat number and other particulars in the space provided on every main answer book and supplement.
3. Verify that the Block Supervisor has signed in the appropriate space on the main answer book and also the supplements.
4. Not be allowed to leave the examination hall during the first ONE HOUR and also the last TEN minutes of the examination.
5. Not damage/scribble the seat no./ barcode sticker.
6. Not indulge in any malpractice like.
 - Carrying written material into the examination hall.
 - Communicating in any manner with other candidates in the examination hall.
 - Passing slips of paper, answer book or supplements to other candidates.
 - Impersonating another candidates.
 - Attaching currency notes to the answer books.
 - Copying from another candidate or vice versa.
 - Leaving the examination hall without submitting answer book to the supervisor.
 - Using of coloured thread to tie answer books.
7. Abide by the rules of dicipline.
8. Stop writing on the answer book after the ringing of the final bell.
9. Stick the hollow craft sticker on the main answer book as well as on the supplement after the final bell.
10. Not leave the seat till all answer books are collected and counted by the supervisor.

NOTE :

Candidate shall be liable for penalty imposed by the board for the violation of any or all of the above clauses.



Pg No.	Examiner	Moderator	Chief Moderator
03			
04 & 05			
06 & 07			
08 & 09			
10 & 11			
12 & 13			
14 & 15			
16 & 17			
18 & 19			
20			
TOTAL			
Total in words			
Apptt. No.			
Sign			
Verification			

Marks	E	M	CM	3
Pg. 3				

Time : 3 Hours**GENERAL SCIENCE (E)****(For Children With Special Needs)****Subject Code**

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Total No. of Questions : 70 (Printed Pages : 20)**Maximum Marks : 70**

INSTRUCTIONS : (i) All questions are compulsory.

(ii) All the answers are to be entered in the space provided in the question paper.

(iii) Figures to the right indicate full marks.

1. The new substance formed in a chemical reaction is called as 1

- Reactant
- Product
- Oxidant

Ans.

2. The type of reaction used in black and white photography is 1

- Combination reaction
- Displacement reaction
- Decomposition reaction

Ans.

3. A synthetic indicator is 1

- Litmus
- Turmeric
- Phenolphthalein

Ans.

4. The pH value of a neutral solution is 1

- Less than 7
- Equal to 7
- More than 7

Ans.

5. The salt that is used in disinfecting drinking water is 1

- Baking soda
- Bleaching powder
- Washing soda

Ans.

The picture shows a fire extinguisher :



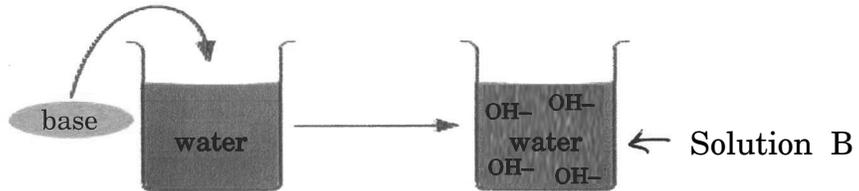
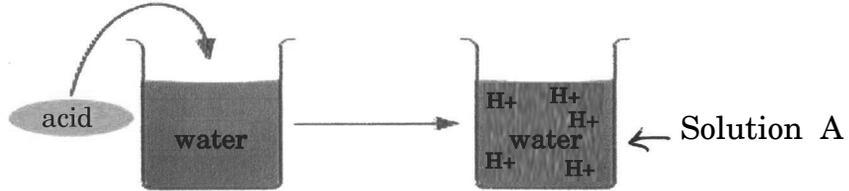
6. Which gas is given out to extinguish the fire ? 1

Ans.

Marks	E	M	CM
Pg. 4 & 5			

5

Look at the picture and answer the question :



7. Which of the given solution will turn blue litmus red ? 1

Ans.

8. What is the reaction between an acid and a base called ? 1

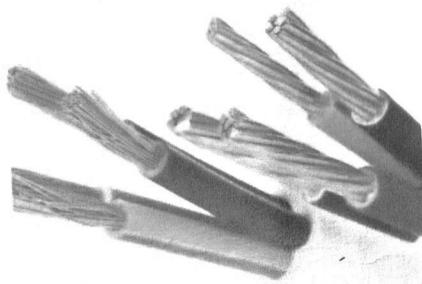
Ans.

9. The metals that can be cut with a knife 1

- Gold and silver
- Copper and lead
- Sodium and potassium

Ans.

10. The metal used to make electrical wires in the below picture is 1



Match the following :

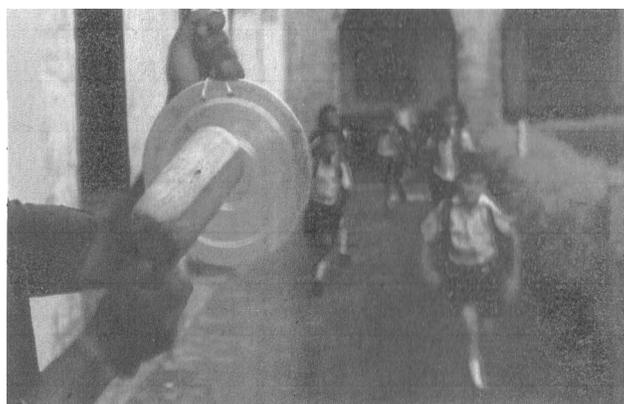
A

B

C

- | | | | |
|---|-----------|-------|---|
| 11. Allotrope of carbon | • Iodine | | 1 |
| 12. Liquid non-metal | • Bromine | | 1 |
| | • Diamond | | |
| 13. Name the metal used to make school bells. | | | 1 |

.....



14. Why are school bells made out of metals ? 1

.....

Marks	E	M	CM
Pg. 6 & 7			

7

15. Cramps in our muscles are due to build up of 1

- Acetic acid
- Carbonic acid
- Lactic acid

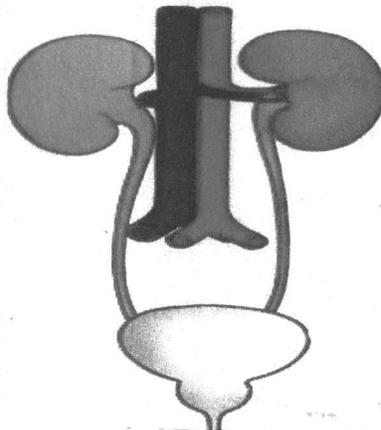
Ans.

16. The arteries divide into small vessels called 1

- Veins
- Nerves
- Capillaries

Ans.

Observe the following diagram and label the following parts.



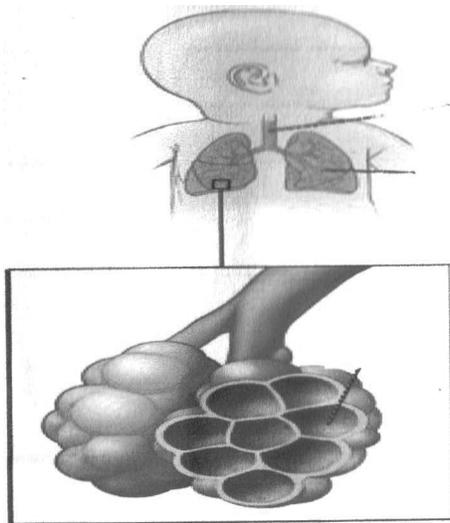
17. Kidney 1

18. Ureter 1

Match the following :

- | A | B | C |
|-----------------------|-------------------------------|----------|
| 19. Mucus | • Digests fat | 1 |
| 20. Hydrochloric acid | • Protects the stomach lining | 1 |
| | • Makes the medium acidic | |

Look at the picture and answer the questions :



21. Name the balloon like structure present in the lungs. 1

Ans.

22. What is the function of these balloon like structure ? 1

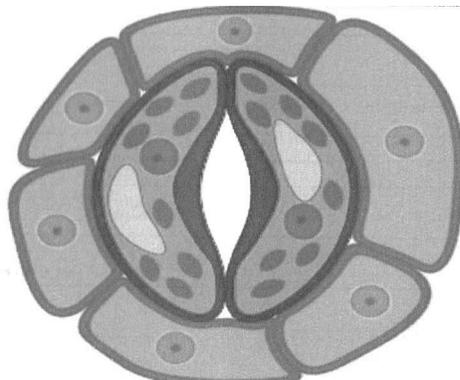
Ans.

Marks	E	M	CM
Pg. 8 & 9			

9

23. Identify the below diagram :

1



Ans.

24. What is the function of the guard cells ?

1

Ans.

25. The spinal cord is protected by the

1

- Skull
- Ribs
- Vertebral column

Ans.

26. Cranial nerves are part of the

1

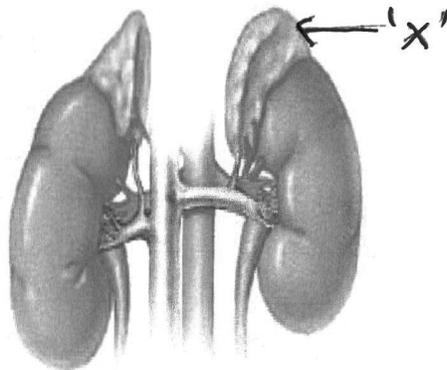
- Central nervous system
- Peripheral nervous system
- Arteries

Ans.

Match the following :

A	B	C	
27. Growth hormone	• Ovary	1
28. Oestrogen	• Testes	1
	• Pituitary gland		

Observe the diagram and answer the questions :



29. Identify the gland marked as 'X'. 1

Ans.

30. Name the hormone secreted by this gland. 1

Ans.

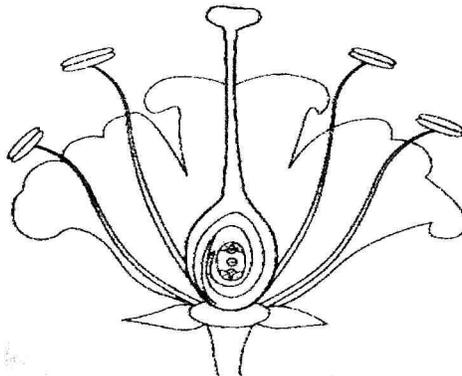
The picture shows a woman with a swelling in front of the neck :



31. What is this swelling in front of the neck called ? 1

Ans.

Look at the picture and label the following parts :



32. Ovary 1

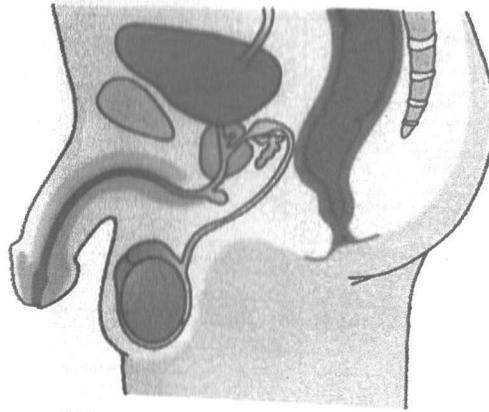
33. Stigma 1

34. Development of the baby inside the mother takes approximately 1

- 9 months
- 6 months
- 12 months

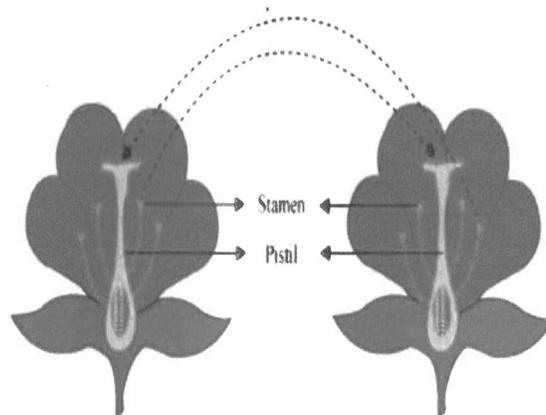
Ans.

Look at the picture and label the following parts :



- 35. Penis 1
- 36. Vas deferens 1
- 37. Look at the picture and name the type of pollination taking place in the picture. 1

Ans.



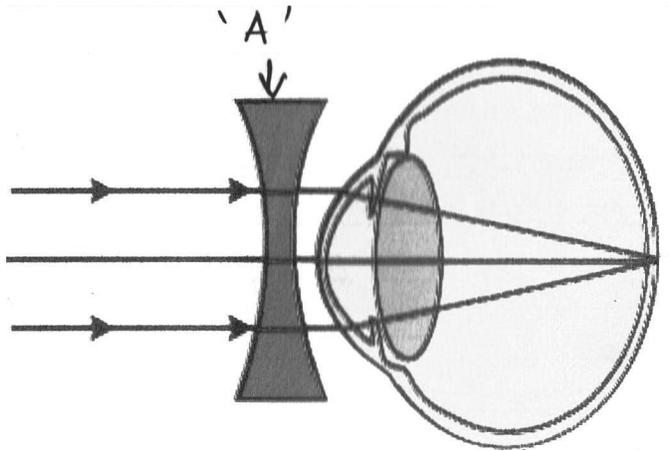
- 38. Name any *one* disease transmitted by sexual contact. 1

Ans.

Marks	E	M	CM	13
Pg. 12 & 13				

39. Name any *one* change seen in girls at the time of puberty. 1
 Ans.

40.



Look at the picture and name the lens marked as 'A'. 1
 Ans.

41. Name the type of mirror used by dentists. 1
 Ans.

42. What is the unit of power ? 1
 Ans.

43. Describe the image formed by convex lens. 1
 Ans.

44. The far point for a young adult of normal vision is 1

- Infinity
- Beyond 25 cm
- At 5 cm

Ans.

45. The part of the eye that gives the eye its colour is the 1

- Iris
- Ciliary muscles
- Cornea

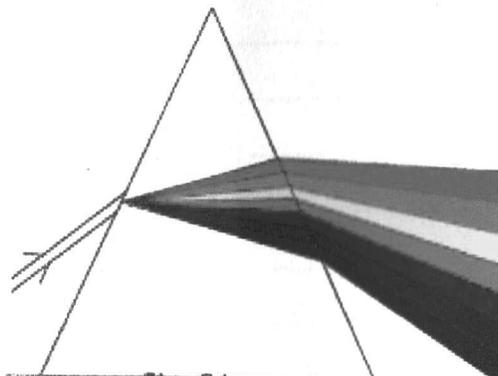
Ans.

46. The image formed on the retina is 1

- Real and erect
- Real and inverted
- Virtual and inverted

Ans.

Look at the picture and answer the following :



47. What is the band of colours called ? 1

Ans.

48. What is the phenomenon of splitting up of white light into different colours called ? 1

Ans.

Marks	E	M	CM	15
Pg. 14 & 15				

49. Give an example of this phenomenon of splitting of white light into different colours seen in nature. 1

Ans.

50. The instrument used to measure current is 1

- Ammeter
- Screw driver tester
- Voltmeter

Ans.

51. An example of a gadget used in a 15 amp circuit is 1

- Fan
- Electric geyser
- Light bulb

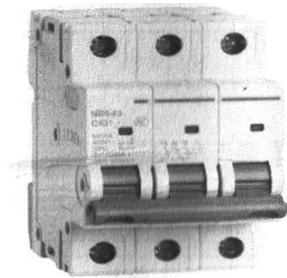
Ans.

52. In an electric bulb electric energy is converted to 1

- Heat only
- Heat and light
- Light only

Ans.

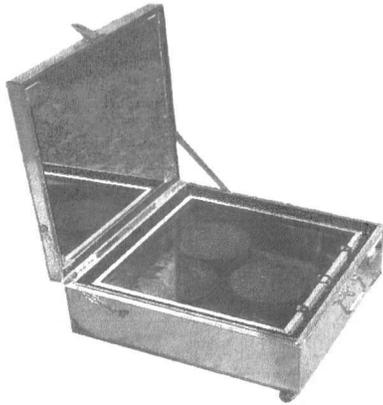
53.



Name the device shown in the picture. 1

Ans.

54.



Identify the appliance shown in the picture. 1

Ans.

55. This appliance works best when kept 1

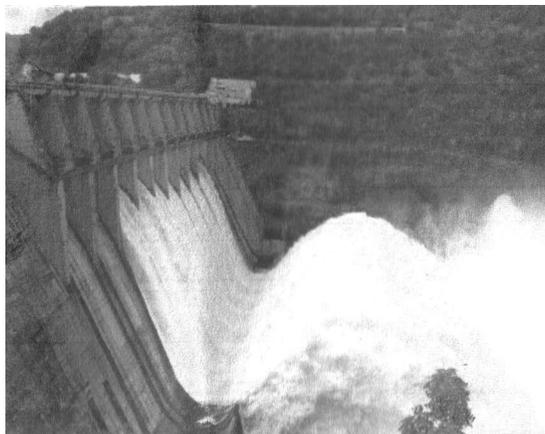
- In the house
- Under a tree
- In full sun

Ans.

56. The appliance is painted black from inside. Why ? 1

Ans.

Picture shows a high rise dam :



Marks	E	M	CM	17
Pg. 16 & 17				

57. Electricity obtained from high rise dam is called 1

- Thermal electricity
- Hydel electricity
- Bioelectricity

Ans.

58. State one disadvantage of high rise dam. 1

Ans.

59. What is a solar cell made of ? 1

Ans.

60. Name the major gas produced by the biogas plant. 1

Ans.

Match the following :

A

B

C

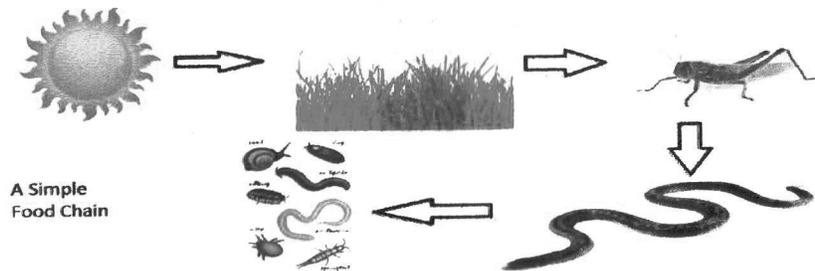
61. Herbivore • Man 1

62. Omnivore • Cow 1

• Tiger

63. Name the main source of energy in a food chain. 1

Ans.



64. Name the organism at second trophic level. 1
 Ans.
65. Why are ultraviolet rays very damaging to the skin ? 1
 Ans.
66. Only one type of tree is grown in an area is called 1
- Monocultures
 - Sericulture
 - Pisciculture
- Ans.
67. Bandharas, check dams, dykes are built for 1
- Storing grains
 - Conserving wildlife
 - Water harvesting
- Ans.
68. State any *one* advantage of storing water underground. 1
 Ans.

Look at the picture below and answer the questions :



69. Why are forest called biodiversity hotspot ? 1
 Ans.
70. Name any *one* industry that depends on forests. 1
 Ans.

