

ADITYA TALENT SCHOOL

X CLASS

DAILY EXAM - 4

Dt :25 -04-2020

GENERAL SCIENCE - 1 (25 MARKS)

SECTION - I

$1/2$ mark questions.

$20 \times 1/2 = 10$

1. The least possible resistance that can be obtained by using the resistances 3Ω and 6Ω is
2. What is the S.I unit of electro motive force?
3. Which of the following device / devices are used to measure the amount of current in a circuit?

a) Galvanometer b) Voltmeter c) Ammeter d) Rheostat

4. Semi conductors are used to make
a) Diodes b) transistors c) Integrated circuits (ICs) d) all the above

5. Draw the electric symbol of an electric fuse.

6. Match Column-A with Column-B

Column-A

P) Kirchoff's junction law

Q) Kirchoff's voltage law

Column- B

x) Law of conservation of energy

y) Law of conservation of charge

7. Match Column-A with Column B

Column-A

P) Car head lights

Q) House hold appliances

Column- B

x) Series combination

y) Parallel combination

8. The electric symbol given below stand for



9. 1 KWH = joules.
10. What is the relation among electric power (p) electric current (I) and electrical resistance (R)
11. The metals present in Rock salt and Pyrolusite are respectively and
12. Mention the Metals of low reactivity.
13. Which method is mainly useful for the concentration of sulphide ores?
14. In Which of the following, a low melting metal can be made to flow on a slopy surface to separate it from high melting impurities?
a) Poling b) Electrolytic refining c) Liquation d) Calination
15. Corrosion of iron occurs in presence of and

16. Match the following.

- | | |
|-------------|--------------|
| i) Cinnabar | p) PbS |
| ii) Galena | q) $CuFeS_2$ |
| | r) HgS |

17. $Fe_2O_3 + 3CO \rightarrow \textcircled{P} + \textcircled{Q}$. Identify

\textcircled{P} and \textcircled{Q} if the equation is balanced.

18. In which pyrochemical process, the ore is heated in the absence of air?

19. Assertion (A) : The only method to extract Zn and Pb is the electrolysis of their fused compounds.

Reason (R) : Zn and Pb are the metals in the middle of the activity series.

Now, identify the correct option.

- a) A and R are correct, but R is not the correct explanation of A.
 - b) A and R are correct, but R is not the correct explanation of A
 - c) A is correct and R is incorrect
 - d) A is incorrect and R is correct
20. The reducing agent in thermite process is
- a) Al
 - b) Mg
 - c) Fe
 - d) Si

SECTION - II

1 mark questions.

15 x 1 = 15

- 21. Draw voltage vs current graph for a metal (at constant temperature)
- 22. A wire of resistance 3Ω is melted and recast into a new wire whose length is 3 times that of the original. What could be the resistance of new wire formed?
- 23. Electric shock is the combined effect of what?
- 24. Why filament of electric bulb is made of tungsten?
- 25. The power delivered by a battery of 5 volt is 15 watt. Find the current delivered by the battery .
- 26. State Ohm's law.
- 27. Define drift speed of electrons in a conductor.
- 28. A room has 1 tube light drawing 40 W. On an average if it is kept on for 5 hours every day then find the cost of electric energy used in a month of 30 days at the rate of Rs.3 per KWH.
- 29. Write the names of any two ores of iron.
- 30. What is Roasting?
- 31. What is an ore?
- 32. Define the term "slag".
- 33. What is Poling?
- 34. Mention three ores of Magnesium and write their formulae.
- 35. What is the role of furnace in Metallurgy?

ENGLISH - 2 (25 MARKS)

I. Read the following passage.

The ancient Aztecs, Chinese, Greeks and Romans played games in which a ball was kicked. A game called 'futballe' was so popular in merry old England that King Henry II (1154_1189) became alarmed because he feared that his soldiers would neglect practising archery. He, therefore, threatened to imprison any player and anyone on whose land the game was played. The game was against the law in England for 400 years. It was made legal during the 16th century. By that time archery was needed because firearms were used in warfare. King James gave the sport, his blessing, praising it as a clean, honourable and manly sport. In 1863, many British football clubs formed an association and agreed to call the game 'association football'. It is also called soccer, a word that comes from 'soc' in association. In most parts of the world the game is called football. At least 10 different forms of football are played in the world today.

Now, find the correct and meaningful order of the following jumbled sentences. 5m.

1. In England, the football soccer got its name from 'soc' which means 'in association'.
2. When firearms replaced archery in warfare the football was made legal in England.
3. A game of kicking the ball was first played in China, Greece and Italy.
4. King James I praised it as a clean and honourable game.
5. The game became so popular in England that the king of England feared that his soldiers would neglect archery.

II Read the paragraph and write the synonyms of the underlined words choosing from the words given in the box 4x $\frac{1}{2}$ =2m

Funny	problem	breast	allow
avoid	box		

In fact carrying the trunk should not have been such a worry for me except that my education had made me shun (a) physical labour. After all I was a government officer and the idea of people seeing me carry my own luggage was not at all amusing (b) otherwise, for young man like me it should not have been an issue (c) to carry a 20 kilo chest (d) on my back.

III. Read the paragraph and match the words under 'A' with their antonyms under 'B'. 4x $\frac{1}{2}$ =2m

I protested (a). How could I allow (b) my old father to carry my trunk? what would people think? What would they say? But I failed (c) to dissuade (d) him.

- | A | B |
|--------------|----------------|
| a) protested | 1. succeeded |
| b) allow | 2. concede |
| c) failed | 3. consented |
| d) dissuade. | 4. prohibit |
| | 5. disapproved |
| | 6. persuade. |

IV. Fill in the blanks with the right form of the words given in brackets 4x $\frac{1}{2}$ =2m

After spending a -----(a) (leisure/leisurely/leisured) Sunday at home, the very-----(b) (think/thought/thoughtful) of returning to work on Monday is tiring----- (c) (Lethargic/Lethargy/Lethargically) creeps in if the holiday continues over an_(d)(extend/extension/extended) period.

V. Complete the following spellings with eo,io, ea,ee,ii,ou. 2x¹/₂=1m
 Simultan___usly (a) our journeys started in two opposite directions, with me seated in the luxuri___s (b) seat of a bus and father walking back with weary legs on the pebble _strewn road.

VI. Complete the words with correct suffixes given in brackets 2x¹/₂=1m
 a) Ours is a hilly terrain without any motor_(ible/able) roads.
 b) Finally my father came up with a solu _(sion/tion).

VII. Find the wrongly spelt word and write the correct spelling 2x1=2m
 1. resembled convince contetnment admiration
 2. plight moment obviously foerhead

VIII. Read the following dictionary entry of the word 'Portray' given below.

por·tray /pɔː'treɪ; NAmE pɔːr't-/ *verb* **1 - sb/sth** to show sb/sth in a picture; to describe sb/sth in a piece of writing **SYN depict**
2 ~ sb/sth (as sb/ sth) to describe or show sb/sth in a particular way, especially when this does not give a complete or accurate impression of what they are like **SYN represent:** *Throughout the trial, he portrayed himself as the victim.* **3 ~ sb / sth** to act a particular role in a film / movie or play **SYN play:** *Her father will be portrayed by Sean Connery.*

Now, answer the following questions using the information above 2x1=2m

- A) write at least two synonyms of the word 'portray' ?
 b) what is the parts of the speech of the word 'portray' ?

IX. Arrange the following words under the correct headings. 8x¹/₄=2m

super_duper, dilly_dally, chit_chat, ping-pong,
 hanky_panky, nitty_gritty, pitter_patter, teeny_weeny
 alliterative. rhyming.

Words with Alliterative 1) 2) 3) 4)	Words with Rhyming 1) 2) 3) 4)
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X. Use the following expressions in sentences of your own. 4x1=4m
 A) Phrasal verb : Oroveide for.
 B) Idiomatic expression : Give way.
 C) Binomial expression : Give and take.
 D) Foreign expression : Status quo.

XI. Match the following one word substitutes in part A with their meanings in part B. 4x¹/₂=2m

Part_A 1. Omnipresent. 2. Intellectual. 3. Mercenary 4. Documentary.	Part_B A) A film that gives facts about something. B) A position for which no salary is paid. C) One who hates women D) A person who can do anything for money. E) A person of good understanding, knowledge and reasoning power. F) One who is present everywhere.
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