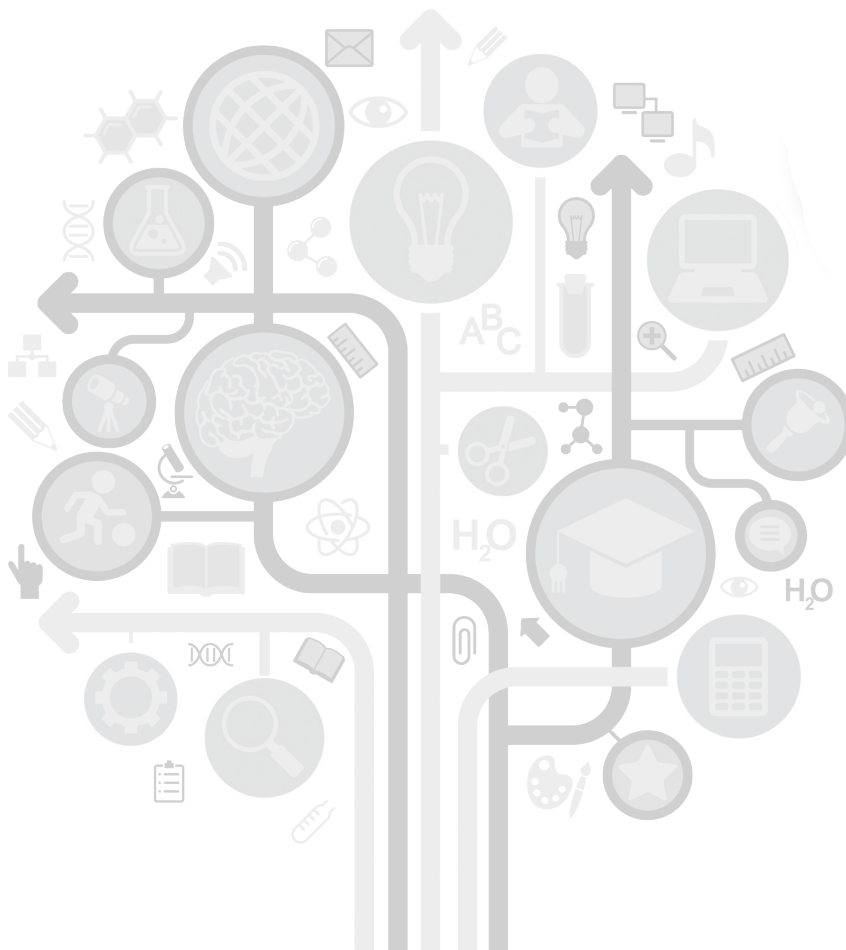


# G.K. OLYMPIAD

# PRACTICE BOOK



GRADE  
9

The G.K. Olympiad series is an initiative of International Society for Olympiad (ISFO)

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# Preface

General Knowledge has an immense importance in our lives. Though it is not one of the mainstream subjects in our schooling systems, it is a large part of all competitive and talent exams.

Keeping this in mind, this workbook is designed to enable students to explore all areas that would fall under the vast scope of 'General Knowledge'. Designed in accordance with the requirements of the GK Olympiad, the workbook is a comprehensive resource for the ISFO – International General Knowledge Olympiad.

This book consists of three sections:

- **General Awareness:** This section deals with the aspects in the field of Science, Language and Literature, Entertainment and General Studies. It is designed to provide knowledge and practice in the vast field it covers.
- **Building Life Skills:** This section concerns itself with sensitising students with the moral values and life skills.
- **BrainBox:** Questions to prepare students with Higher Order Thinking Skills (HOTS), based on the rest of the syllabus are included in this section.





# Contents

## General Awareness

1.	Nature and Its Glory	5
2.	Mapping The World	8
3.	Sports and Games	12
4.	Discover India	16
5.	The Scientific World	20
6.	Earth and Its Environment	24
7.	Literature, Art And Music	28
8.	Reasoning	31

## Building Life Skills

9.	Life Skills	36
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## BrainBox

10.	HOTS	38
	Answers	40



# Nature and Its Glory

1. ***Cassia fistula* is a scientific name of:**
  - a. potato                      b. tomato
  - c. amaltas                    d. pineapple
2. **The thickness of stratospheric ozone layer is measured in \_\_\_\_\_.**
  - a. dobson                      b. pint
  - c. candella                    d. sieverts
3. **Montreal protocol is \_\_\_\_\_**
  - a. an international treaty designed to protect the ozone layer by gradually phasing out the production of substances responsible for it.
  - b. an international treaty designed to reduce greenhouse gas emissions.
  - c. an international treaty to rectify the point mentioned under the Kyoto Protocol.
  - d. none of the above
4. **A prairie dog is \_\_\_\_\_.**
  - a. a dog without tail
  - b. a squirrel like rodent
  - c. female dog
  - d. none of these
5. **Which bird is also known as the 'sea parrot'?**
  - a. humming bird              b. crane
  - c. puffin                        d. hornbill
6. **In India, Western Ghat is known as hotspot because of:**
  - a. evergreen forest
  - b. high endemism
  - c. more height
  - d. tropical climate
7. **In which year was Project Tiger launched in India?**
  - a. 1964                        b. 1968
  - c. 1970                        d. 1973
8. **Which of the following is a toxic element present in automobile exhausts?**
  - a. argon
  - b. krypton
  - c. radon
  - d. carbon monoxide
9. **An anticoagulant is a substance that prevents the clotting of blood. An anticoagulant, Hirudin, used in modern medicine, is extracted from-**
  - a. leech                        b. scorpion
  - c. spider                       d. bonabo
10. **The male of this whale species can easily be recognised by its single, protruding spiral tusk. Name the animal.**
  - a. Baiji                        b. Minke Whale
  - c. Narwhal                    d. Livyatan

11. **The hoolock gibbon is the only species of ape native to India. It is found in the forests of -**
  - a. Gujarat & Arunachal Pradesh
  - b. Assam & Arunachal Pradesh
  - c. Tamil Nadu & Kerala
  - d. Andhra Pradesh & Assam
12. **The silver revolution refers to -**
  - a. egg production
  - b. milk production
  - c. silk production
  - d. silverfish
13. **The Pampas grasslands are found in -**
  - a. North America
  - b. South America
  - c. South Africa
  - d. North Africa
14. **Petunia, Plumeria Whistling Pine are examples of:**
  - a. non-flowering plants
  - b. ornamental plants
  - c. conifers
  - d. algae
15. **The cultivation of flowers, fruits, vegetables and ornamental plants is called -**
  - a. Horticulture    b. Epiculture
  - c. Sericulture    d. none of these
16. **Which island of Japan is included in UNESCO's World Heritage List?**
  - a. Honshu
  - b. Okinoshima
  - c. Kyushu
  - d. Kamome
17. **What is the largest living marsupial?**
  - a. sugar glider
  - b. bandicoot
  - c. red kangaroo
  - d. elephant
18. **What do all marsupials have in common?**
  - a. They are all kangaroos.
  - b. They all live in Australia.
  - c. All young ones born prematurely and finish developing while nursing.
  - d. They all have a pouch.
19. **Scientific name of tea is -**
  - a. santalum album
  - b. camellia sinensis
  - c. allium sativum
  - d. occimum sanctum
20. **Bomber worms have a unique defense system. What do they release when they are in danger?**
  - a. glowing sacs green in colour
  - b. black ink
  - c. mucus balls
  - d. spikes
21. **Ex situ conservation includes -**
  - a. zoo
  - b. botanic garden
  - c. germplasm bank
  - d. all of the above

22. Where in India do flamingos migrate to nest in large numbers?

- a. Thar
- b. Rann of Kutch
- c. Coastal areas
- d. Himalayas

23. The Periyar National Park and Wildlife Sanctuary is located in –

- a. Karnataka
- b. Tamil Nadu
- c. Kerala
- d. Andhra Pradesh

24. Which fish uses a lure to catch its prey?

- a. clownfish      b. yeti crab
- c. starfish      d. anglerfish

25. Name the bird that migrates from the north pole to the south pole and back.

- a. Arctic tern      b. crane
- c. swallow      d. all of these

26. The bird which lays only one egg in 2 years is -

- a. wood duck
- b. albatross

- c. oilbird
- d. greater glider

27. Name the tree found in Africa which can store 1,000 to 1,20,000 litres of water in its swollen trunk.

- a. baobab tree
- b. pinus longaeva
- c. quaking aspen
- d. oak

28. What is the primary source of vanilla flavouring?

- a. *vanilaplanafolia*
- b. *vanilafolia*
- c. *vanilla planifolia*
- d. none of the above

29. Scientific name of cow is -

- a. *camelus dromedarius*
- b. *equus zebra*
- c. *rana tigrina*
- d. *bos taurus*

30. *Indri indri* lemur is found in -

- a. Mauritius      b. India
- c. Sri Lanka      d. Madagascar

Darken your choice with HB pencil

1. (a) (b) (c) (d)

2. (a) (b) (c) (d)

3. (a) (b) (c) (d)

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25. (a) (b) (c) (d)

26. (a) (b) (c) (d)

27. (a) (b) (c) (d)

28. (a) (b) (c) (d)

29. (a) (b) (c) (d)

30. (a) (b) (c) (d)

# Mapping The World

1. **Who is the father of Indian archaeology?**
  - a. Howard Carter
  - b. Alexander Cunningham
  - c. Arthur Evans
  - d. none of the above
2. **The Great Pyramid of Giza was built for which Egyptian ruler?**
  - a. Khufu
  - b. Djoser
  - c. Amenhotep
  - d. Ramses II
3. **The capital of USA is situated on the bank of the River:**
  - a. Tennessee
  - b. Yukron
  - c. Ohio
  - d. Potomac
4. **In which year did the Bengal Partition take place?**
  - a. 1910                      b. 1913
  - c. 1909                      d. 1905
5. **What is the official residence of the President of the French Republic called?**
  - a. The Château de Versailles
  - b. Paris Palace
  - c. Élysée Palace
  - d. Buckingham Palace
6. **Which was the first specialized agency of the UN?**
  - a. International Labour organisation
  - b. International Child Labour Organisation
  - c. UNESCO
  - d. UNDP
7. **Black Forest is found in:**
  - a. Russia
  - b. China
  - c. Germany
  - d. India
8. **In which of the following does 'Three Gorges Dam' lie?**
  - a. Japan                      b. China
  - c. Taiwan                      d. Brazil
9. **Name the famous ruin shown in the picture.**
  - a. The Pantheon, Rome, Italy
  - b. The Pantheon, Athens, Greece
  - c. The Temple of Kom Ombo, Egypt
  - d. The Temple of Bacchus, Lebanon





**10. Ashokan inscription were engraved in:**

- i. Brahmi script
- ii. Kharosthi script
- iii. Greek script
- iv. Aramaic script

**Choose the correct option.**

- a. i and ii
- b. ii and iii
- c. i, ii and iii
- d. all of these

**11. What is the International Date Line?**

- a. 120° longitude
- b. 180° longitude
- c. 90° east longitude
- d. none of the above

**12. In Mughal paintings, one notices the adoption of the principles of foreshortening whereby near and distant people and things could be placed in perspective. This was due to the influence of the:**

- a. British
- b. Dutch
- c. Portuguese
- d. Danish

**13. This rocky view is found in:**



- a. Copper Canyon, Mexico
- b. Bryce Canyon, USA
- c. Colca Canyon, Peru
- d. None of these

**14. What is the longest mountain range in the world above sea-level?**

- a. Pyrenees mountains
- b. Andes Mountains
- c. Himalayas
- d. Alps

**15. 'Ground Zero' is in:**

- a. Greenwich
- b. Indira Point
- c. Shri Harikota
- d. New York

**16. The largest island in the world is Greenland. It is an integral part of \_\_\_\_\_.**

- a. Norway
- b. Denmark
- c. Canada
- d. North America

**17. Which of the following mountains is not located in Europe?**

- a. EL Capitan
- b. Monte Rosa
- c. Matterhorn
- d. Ben Nevis

18. Louis XVI was overthrown and executed during the French Revolution. He belonged to \_\_\_\_\_ dynasty.
- Theodosian
  - Oldenburg
  - Tudor
  - Bourbon
19. Baltoro glacier is located in:
- Shivalik
  - Karakoram ranges
  - Pamir plateau
  - none of the above
20. The \_\_\_\_\_ marked the beginning of the Civil Disobedience Movement in India.
- Round Table Conference
  - Dandi March
  - Non Cooperation Movement
  - None of these
21. The Andaman and Nicobar Islands are separated from each other by:
- ten degree channel
  - great channel
  - Bay of Bengal
  - none of the above
22. The greatest Victoria Desert is located in:
- North America
  - Canada
  - Australia
  - Africa
23. Which of the following statement is not correct regarding the Rowlatt Act?
- This act was meant to give the government enormous power to repress political activities.
  - Government could arrest anybody without a trial for two years under this act.
  - In response to Rowlatt Act, Gandhiji had called for a nationwide campaign in 1991.
  - The tough measures of Rowlatt Act was chaired by Sir Stafford Cripps.
24. In India, January 15 is celebrated as the:
- Republic Day
  - Army Day
  - Ugadhi
  - Father's Day
25. Indian Standard Time relates to:
- 82.5° E longitude
  - 0° longitude
  - 75° E longitude
  - 90.5° longitude
26. The only land area crossed by the Prime Meridian in Southern Hemisphere is \_\_\_\_\_.
- Asia
  - Africa
  - Australia
  - Antarctica

**27. Which place is known as Pentagon?**

- a. a large building housing the Ministry of Defence of USA
- b. a building under Ministry of Defence of USA to train soldiers of other countries
- c. arms manufacturing centre of USA
- d. none of the above

**28. The geometric form of the Earth is approximately that of \_\_\_\_\_.**

- a. an oblate spheroid
- b. a sphere
- c. tetrahedron
- d. a prolate spheroid

**29. During World War II, an atom bomb was dropped on Hiroshima. In which year did it happen?**

- a. 1945
- b. 1946
- c. 1947
- d. 1948

**30. Which of the following is not associated with the UNO?**

- a. WHO
- b. ASEAN
- c. ILO
- d. none of these

Darken your choice with HB pencil

- 1. (a) (b) (c) (d)
- 2. (a) (b) (c) (d)
- 3. (a) (b) (c) (d)
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- 26. (a) (b) (c) (d)
- 27. (a) (b) (c) (d)
- 28. (a) (b) (c) (d)
- 29. (a) (b) (c) (d)
- 30. (a) (b) (c) (d)

# Sports and Games

1. The term 'pugilist' is used in the sport of \_\_\_\_\_.
  - a. badminton
  - b. boxing
  - c. golf
  - d. wrestling
2. In which year did India win its first gold medal in an International football tournament?
  - a. 1951
  - b. 1964
  - c. 1962
  - d. 1970
3. \_\_\_\_\_ is a term used in the game of badminton.
  - a. backspin
  - b. dolphin kick
  - c. stroke
  - d. castling
4. The name of the mascot of 12th South Asian Games was:
  - a. TIKHOR
  - b. TIHOR
  - c. KRISHNA
  - d. DAKSH
5. In which year was the Olympic flag raised for the first time?
  - a. 1900
  - b. 1915
  - c. 1920
  - d. 1924
6. The number of players on each side in baseball is
  - a. 9
  - b. 10
  - c. 11
  - d. 8
7. Who won the FIFA Balland D'or award in 2018?
  - a. Antoine Griezmann
  - b. Cristiano Ronaldo
  - c. Luka Modric
  - d. none of the above
8. What is the meaning of the motto *Citius Altius, Fortius of the Olympic games*?
  - a. Quicker, Taller, Faster
  - b. Faster, Stronger, Dedicated
  - c. Commitment, Fortitude, Sportsmanship
  - d. Faster, Higher, Stronger
9. In cricket, stumps and bails together form the wicket. The height of each stump is \_\_\_\_\_ inches.
  - a. 35
  - b. 28
  - c. 30
  - d. 32

10. **There is a science behind the benefits of each yogasanas. How do yogasanas affect our body scientifically?**
- They improve the functioning of endocrine system.
  - They improve our immune system.
  - They increase neuroplasticity.
  - all of these
11. **Mohun Bagan is a renowned team in \_\_\_\_\_.**
- cricket
  - hockey
  - football
  - kabaddi
12. **Who has won the 2018 Women's Singles Wimbledon Championship?**
- Simona Halep
  - Angelique Kerber
  - Serena Williams
  - Andy Murray
13. **Who was the first Indian woman to win a medal in the Olympics?**
- Karnam Malleshwari
  - P T Usha
  - Kunjarani Devi
  - Bachendri Pal
14. **Stan Wawrinka represents tennis. Which country does the player belong to?**
- Russia
  - Switzerland
  - USA
  - France
15. **The Cricket World Cup of 2023 will be held in:**
- India
  - England
  - West Indies
  - South Africa
16. **En Passant is related to which game?**
- hockey
  - football
  - chess
  - billiards
17. **'The Colonel' is the name of which Indian test cricketer?**
- Colonel C.K. Naidu
  - Rahul Dravid
  - Dilip Vengsarkar
  - Mohinder Amarnath
18. **Apurvi Chandela is associated with which one of the following sports?**
- shooting
  - boxing
  - swimming
  - golf
19. **Hopman Cup is associated with the game of-**
- cricket
  - football
  - tennis
  - hockey

20. Badminton player P. V. Sindhu won historic silver medal in Women's Singles Badminton event at Rio Olympics. Who won the gold medal in this event?

- a. Wang Yihan
- b. Carolina Marin
- c. Saina Nehwal
- d. Dolores Marco



21. FIFA Football World Cup 2022 will be organised in \_\_\_\_\_.

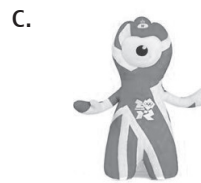
- a. India
- b. Brazil
- c. Qatar
- d. Russia

22. Dunk Shot is related to which game?

- a. billiards
- b. hockey
- c. volleyball
- d. basketball

23. The official mascot of 2018 Winter Olympics was:

- a. 
- b. 



24. Identify the yogasana shown in the picture.



- a. halasana
- b. dhanurasana
- c. navasana
- d. dandasana

25. Aerobic exercise is also known as:

- a. cardio
- b. physio
- c. musculo
- d. physio-cardio

26. 2018 Asian Games were held in:

- a. China
- b. Indonesia
- c. Thailand
- d. Singapore

27. 'Subroto Cup' is associated with:

- a. chess
- b. football
- c. cricket
- d. table tennis

28. The President of International Olympic Committee is elected for a term of \_\_\_\_\_ years.

- a. 4
- b. 8
- c. 2
- d. 6

29. \_\_\_\_\_ is also known as the Manipuri version of hockey.

- a. Hiyang Tanaba
- b. Vallam Kali
- c. Khong Kangjei
- d. none of these

Darken your choice with HB pencil

- 1. (a) (b) (c) (d)
- 2. (a) (b) (c) (d)
- 3. (a) (b) (c) (d)
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- 28. (a) (b) (c) (d)
- 29. (a) (b) (c) (d)

1. The \_\_\_\_\_ was started in 1977-78 with the main aim of controlling desertification, restoring ecological balance and creating conditions to improve the economic level of people in desert areas.
  - a. Desert Peoples Programme (DPP)
  - b. Desert Development Programme (DDP)
  - c. Desert Welfare Programme (DWP)
  - d. Desert Samadhaan Programme (DSP)
2. \_\_\_\_\_ is a strait between the Tamil Nadu state and the Mannar district of the Northern Province of the island nation of Sri Lanka.
  - a. Palk Strait
  - b. Walk Strait
  - c. Talk Strait
  - d. Balk Strait
3. The largest producer of rubber in India is \_\_\_\_\_.
  - a. Tamil Nadu
  - b. Maharashtra
  - c. Himachal Pradesh
  - d. Kerala
4. Who is the composer of the famous song 'Saare Jahan Se Acha'?
  - a. Rabindranath Tagore
  - b. Bankim Chandra Chatterjee
  - c. Mohammad Iqbal
  - d. Sarojini Naidu
5. In which year did Goa attain the status of a full fledged state?
  - a. 1985
  - b. 1986
  - c. 1987
  - d. 1988
6. The Group of Monuments at Hampi is located near the \_\_\_\_\_ river in \_\_\_\_\_.
  - a. Amaravati, Tamil Nadu
  - b. Markha, Ladakh
  - c. Tungabhadra, Karnataka
  - d. Noyyal, Tamil Nadu
7. \_\_\_\_\_ is India's highest award given to an individual for exceptional work in art, literature and public service.
  - a. Kalinga Award
  - b. Param Vir Chakra
  - c. Bharat Ratna
  - d. Jnanpith Award
8. \_\_\_\_\_ is situated in Bijapur.
  - a. Gol Gumbaz
  - b. Statue of Gomateswara
  - c. heavy rainfall
  - d. severe drought condition



9. According to the Flag code of India, the ratio of width of our National Flag to its length should be \_\_\_\_\_.
  - a. 2 : 4
  - b. 2 : 3
  - c. 2 : 6
  - d. 3 : 5
10. It is an indigenous tribe living in the areas of Maharashtra-Gujarat border. They are known for their paintings made with a pigment out of rice and water.
  - a. Lepchas
  - b. Warli
  - c. Garo
  - d. none of these
11. River Tsangpo is a major tributary of river \_\_\_\_\_ in India.
  - a. Brahmaputra
  - b. Cauvery
  - c. Godavari
  - d. Krishna
12. In which year was the Indian Railway Board established?
  - a. 1964                      b. 1948
  - c. 1901                      d. 1905
13. Which state shares its international border with Bangladesh and Myanmar?
  - a. Assam
  - b. Meghalaya
  - c. Tripura
  - d. Mizoram
14. Which of the following statements is not true about the East Coastal plain in India?
  - a. It spreads from Gujarat and its northern part is called Konkan.
  - b. The southern part is called Coromandal Coast.
  - c. Rivers like Mahanadi, Godavari, Cauvery form deltas on this plain.
  - d. It spreads along the Bay of Bengal in Odisha.
15. Kummattikali is a spectacular folk art form performed during \_\_\_\_\_.
  - a. Navratri
  - b. Pongal
  - c. Onam
  - d. Ganesh Chaturthi
16. How many types of rail lines are there in India?
  - a. 3                              b. 2
  - c. 4                              d. 5
17. Indo-Gangetic plains are formed by the basins of following river –
  - a. the indus
  - b. the ganges
  - c. the Brahmaputra
  - d. all the above
18. Two heritage hotels of Indian railway are located in \_\_\_\_\_.
  - a. Delhi and Kolkata
  - b. Puri and Ranchi
  - c. Daman and Diu
  - d. Puri and Goa

19. With the opening of which metro did the Indian Railways enter the Metro Age?
- Kolkata Metro
  - Delhi Metro
  - Mumbai Metro
  - Bengaluru Metro
20. 7th century play 'Ratnavali' written by Harshdev describes beautifully the festival of \_\_\_\_.
- Holi
  - Navratri
  - Pongal
  - Onam
21. Which city is often referred as 'White City' of Rajasthan?
- Jaisalmer
  - Jaipur
  - Udaipur
  - none of the above
22. Who among the following transferred his capital from Patliputra to Vaishali?
- Bimbisara
  - Ajatsatru
  - Udayin
  - Shishunaga
23. The famous Arab scholar Ibn Battuta visited India during the reign of \_\_\_\_.
- Akbar
  - Qutubuddin Aibak
  - Muhammad-bin-Tughlaq
  - Alauddin Khilji
24. Project Tiger was launched by the Government of India to save the endangered species of tiger in the country. In which year was this project launched?
- 1970
  - 1971
  - 1972
  - 1973
25. With which of the following cities is the Kala Ghoda Arts Festival associated with?
- Kochi
  - Pune
  - Mumbai
  - Mysore
26. \_\_\_\_\_ was also known as Bengal's Greta Garbo.
- Suchitra Sen
  - Amaravati
  - Kanan Devi
  - Bharathi Shirodkar
27. The Indian Constitution talks about the Fundamental Duties for the citizens of the country. How many Fundamental Duties are mentioned in the Indian Constitution?
- 10
  - 11
  - 14
  - 16

28. NITI Aayog came into existence in January 2015. NITI stands for \_\_\_\_\_.

- a. National Interest for Transforming India
- b. National Institute to Transform India
- c. Nation Institution for Talented India
- d. National Institution for Transforming India

29. About which kingdom did Dalhousie say that it was a 'cherry that will drop into our mouth one day'?

- a. Oudh                      b. Jhansi
- c. Mysore                  d. Patiala

30. Who led the British forces which defeated Rani Lakshmibai?

- a. Henry Havelock
- b. John Hersey
- c. Henry Barnard
- d. Hugh Rose

Darken your choice with HB pencil

- 1. (a) (b) (c) (d)
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- 29. (a) (b) (c) (d)
- 30. (a) (b) (c) (d)

# The Scientific World

1. **Study of the Universe is known as:**
  - a. sociology
  - b. cosmology
  - c. universology
  - d. petology
2. **Titan is the satellite of \_\_\_\_\_.**
  - a. Mercury
  - b. Earth
  - c. Venus
  - d. Saturn
3. **General relativity theory was proposed by Albert Einstein is a theory of \_\_\_\_\_.**
  - a. gravitation
  - b. electromagnetic field
  - c. light
  - d. zero point energy
4. **It is an encyclopedia of medicine compiled in five books by Avicenna. Name the encyclopedia.**
  - a. Al Chemist
  - b. Alchemy
  - c. The Book of Healing
  - d. The Canon of Medicine
5. **The 2018 Nobel Prize in medicine was awarded to Tasuku Honjo and James P. Allison for their work in:**
  - a. cancer therapy
  - b. treatment of HIV
  - c. malaria vaccination
  - d. treatment of Alzheimer's disease
6. **India's electricity network, also known as the National Grid, operates at a single \_\_\_\_\_.**
  - a. power
  - b. frequency
  - c. resistance
  - d. potential difference
7. **\_\_\_\_\_ is the most abundant element in the universe.**
  - a. carbon
  - b. oxygen
  - c. hydrogen
  - d. helium
8. **Which of the following will you observe at high altitudes?**
  - a. decrease in the boiling point of water
  - b. difficulty in breathing
  - c. increase in the boiling point of water
  - d. both a and b
9. **A Geiger counter is an instrument that is used to measure \_\_\_\_\_.**
  - a. gravity
  - b. luminous intensity
  - c. electric current
  - d. radioactivity

10. A healthy adult male has approximately:
- 24 grams of haemoglobin / 1 decilitre of blood
  - 8 grams of haemoglobin / 1 decilitre of blood
  - 10 grams of haemoglobin / 1 decilitre of blood
  - 13 grams of haemoglobin / 1 decilitre of blood
11. Which type of high power batteries for e-vehicles and automobiles have been indigenously developed by ISRO?
- Carbon
  - Lithium ion
  - Nickel Cadmium
  - Lead Acid
12. Where are RBCs made in our body?
- bone marrow
  - heart
  - liver
  - lymph nodes
13. When is the Earth farthest from the Sun?
- late December
  - late June
  - early January
  - early July
14. Sun loving plants are called:
- halophytes
  - metallophytes
  - heliophytes
  - lithophytes
15. Which of the following planets has/have rings?
- Saturn and Jupiter
  - Uranus
  - Neptune
  - all of these
16. Which of the following planets has the shortest day?
- Mercury
  - Venus
  - Jupiter
  - Earth
17. The chief constituent of natural gas is \_\_\_\_\_.
- methane
  - ethane
  - butane
  - propane
18. Charles Townshend was an English politician who developed the idea of \_\_\_\_\_.
- inter-cropping
  - shifting cultivation
  - drip method irrigation
  - crop rotation
19. Name the constituent of blood that is responsible for preventing blood loss due to an injury.
- WBCs
  - RBCs
  - platelets
  - lymph

20. Saliva breaks down \_\_\_\_\_ into simple sugars.

- a. starch
- b. minerals
- c. carbohydrates
- d. vitamins

21. Observe the given diagram. It is a cross section of a single loop of human cochlea.



Which one of the following options correctly represents the names of three different parts?

- a. A: Perilymph, B: Tectorial membrane C: Endolymph
  - b. B: Tectorial membrane, C: Perilymph, D: Secretory cells
  - c. C: Endolymph, D: Sensory hair cells, A: Serum
  - d. D: Sensory hair cells, A: Endolymph B: Tectorial membrane
22. Blurred vision, weakness, stiff neck and chest pain are common symptoms of:
- a. hypertension
  - b. glaucoma
  - c. malaria
  - d. eczema
23. The father of India's nuclear programme is:
- a. Dr. Raja Ramanna

- b. J. C. Bose
- c. H. J. Bhabha
- d. A. P. J. Abdul Kalam

24. It is an antimicrobial chemical present in antibacterial soaps. It is believed to disrupt thyroid function and hormone levels in people. Name the chemical.

- a. Triclosan
- b. Ammonia
- c. Mercury
- d. Formaldehyde

25. A peritectic reaction is defined as:

- a. Two solids reacting to form a liquid
- b. Two liquids reacting to form a solid
- c. Two solids reacting to form a third solid
- d. A liquid and solid reacting to form another solid

26. Other than oxygen and carbon main elements of a brick wall includes \_\_\_\_\_.

- a. Ca and Al
- b. Fe and Al
- c. Si and Al
- d. Si and Ca

27. The polymer used for bullet proof materials is:

- a. Polycarbonate
- b. Polychlorate
- c. Nylon-N
- d. Polychromate

28. Which polymer is used to manufacture switches and electrical appliances?

- a. nylon
- b. polythene
- c. bakelite
- d. terrycot

29. The process of converting minerals into oxides is called:

- a. smelting
- b. roasting
- c. reigning
- d. bessemerisation

30. The colour of a person's eyes depends upon the pigmentation of the \_\_\_\_\_.

- a. pupil
- b. cornea
- c. iris
- d. choroid

Darken your choice with HB pencil

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- 29. (a) (b) (c) (d)
- 30. (a) (b) (c) (d)

# Earth and Its Environment

1. **Name the galaxy closest to the Milky Way.**
  - a. Nebulae
  - b. Whirlpool
  - c. Andromeda
  - d. none of the above
2. **The conversion of solid coal into liquid hydrocarbon takes place through the process of \_\_\_\_\_.**
  - a. liquefaction
  - b. cracking
  - c. carbonation
  - d. catalytic conversion
3. **Change in quality of environment that can be harmful for living things is called:**
  - a. power
  - b. energy conversion
  - c. pollution
  - d. none of above
4. **What can cause a Tsunami?**
  - a. landslide
  - b. underwater earthquake
  - c. volcanic eruption
  - d. all of these
5. **What does the word "tsunami" mean in Japanese?**
  - a. Tidal wave    b. Harbour wave
  - c. Killer wave    d. Century wave
6. **Name the organisation which is United Nations body for assessing the science related to climate change.**
  - a. World Tourism Organization
  - b. Economic Cooperation Organization
  - c. Intergovernmental Panel on Climate Change
  - d. International Tribunal for Law of Sea
7. **The International organisation which coordinates environmental activities is:**
  - a. United Nations Economic and Social Council
  - b. United Nations Environment Programme
  - c. United Nations Environmental Council
  - d. United Nations Development Council
8. **The Siberian Crane is an endangered migratory bird. The bird is a regular visitor of which of the following bird sanctuaries/national park:**
  - a. Sultanpur bird sanctuary
  - b. Keoladeo National Park
  - c. Okhla bird sanctuary
  - d. Kumarakom bird sanctuary



9. The word 'ecology' was coined in 1866 by:
  - a. E.O Wilson
  - b. James Watson
  - c. Rachel Carson
  - d. Ernst Haeckel
10. Which of the following is a non Greenhouse gas?
  - a. methane
  - b. nitrous oxide
  - c. water vapour
  - d. carbon monoxide
11. Which among the following is the world's largest Wetland system?
  - a. Okavango
  - b. Pantanal
  - c. Camargue
  - d. Everglades
12. In which of the following places can one find all the species of 'lemur'?
  - a. New Calcedonia
  - b. Galapagos Islands
  - c. Seychelles
  - d. Madagascar
13. Which of the following BOD level waste water is permitted to be released inlands by industries under water (Prevention and Control of Pollution) Act, 1974?
  - a. 30 mg/l
  - b. 80 mg/l
  - c. 100 mg/l
  - d. 150 mg/l
14. Gases such as  $O_2$ ,  $CO_2$  and  $N_2$  are mainly found in the \_\_\_\_\_ layer of the atmosphere.
  - a. troposphere
  - b. exosphere
  - c. homosphere
  - d. stratosphere
15. It is a National park in Sikkim, India that became a part of the World Network of Biosphere Reserves in 2018. It is called \_\_\_\_\_ National park.
  - a. Simlipal
  - b. Nokrek
  - c. Pin Valley
  - d. Khangchendzonga
16. Biogas is a mixture of gases produced by the breakdown of organic matter. It happens in the absence of \_\_\_\_\_.
  - a. oxygen
  - b. hydrogen
  - c. argon
  - d. krypton
17. What stands for IUCN?
  - a. Inter Union for Convention of Nature
  - b. Inter Union Council for Nature
  - c. International Union for Conservation of Nature
  - d. none of these
18. Methemoglobinemia is caused by drinking of water contaminated with:
  - a. Phosphate
  - b. Mercury
  - c. Cadmium
  - d. Nitrate

19. Below given are pollutant gases and their limit values according to the WHO. Match them accordingly.

List – I (Pollutant gas)	List – II (Thresholds)
I. CO	i. 2 ppm
II. SO <sub>2</sub>	ii. 50 ppm
III. NO	iii. 0.08 ppm
IV. PAN	iv. 25 ppm

Identify the correct code:

	I	II	III	IV
a.	ii	iii	i	iv
b.	iv	ii	i	iii
c.	ii	i	iv	iii
d.	iii	iv	ii	i

20. WHO plays a critical role in the global health governance all around the world. According to the organisation, \_\_\_\_\_ is the acceptable level of chlorides in drinking water.

- a. 100 mg/L      b. 200 mg/L  
c. 600 mg/L      d. 800 mg/L

21. Assertion (A): Natural gas is a very attractive eco-friendly fuel.

Reason (R): It produces few pollutants and less carbon dioxide per unit energy than any other fossil fuel on combustion.

Identify the correct answer:

- a. Both (A) and (R) are true and (R) is the correct explanation of (A).  
b. Both (A) and (R) are true and (R) is not the correct explanation of (A).

- c. (A) is true but (R) is false.  
d. (A) is false but (R) is true.

22. This inspirational environmentalist will be remembered forever for his creation of Earth Day in 1970. He is also known for introducing the legislation to ban DDT. Name the environmentalist.

- a. John Muir  
b. Theodore Roosevelt  
c. Gaylord Nelson  
d. Veerbhadra Mishra

23. Who was the first environmentalist awarded with Nobel Peace Prize for her program, the green belt movement, based in Kenya?

- a. Wangari Maathai  
b. John Muir  
c. David Suzuki  
d. Madhu Bhatnagar

24. Which of the following conceptual components of the environment are not the effective transporters of matter?

- a. lithosphere  
b. atmosphere  
c. hydrosphere  
d. both b. and c.

25. A well lightened area in a freestanding water body as in a pond or a lake is called the \_\_\_\_\_ zone.

- a. Euphotic      b. Benthic  
c. Littoral      d. Limnetic

**26. An ecosystem may not undergo changes because:**

- a. It is in a state of homeostasis
- b. It has plants and animals both
- c. It gets solar energy continuously
- d. The decomposers are present in it

**27. Which is the lowest land point on earth?**

- a. Dead Sea depression
- b. Death valley
- c. Caribbean Sea
- d. Drangme Chhu

**28. What is perihelion?**

- a. when earth comes in between the sun and the moon
- b. day in the year when when day and night are equal throughout the world
- c. position of the earth in its orbit when it is at its distant position from the sun
- d. position of the earth in its orbit when it is at the nearest point to the sun

**29. Some winds are also called as local winds and blow due to local variation in the temperature and pressure. \_\_\_\_\_ is a warm and dry wind that blows in Japan.**

- a. Karaburan
- b. Levanter
- c. Simoom
- d. Yoma

**30. The list of industrial sources of air pollution and their emissions are given. Match the following.**

- |                       |            |
|-----------------------|------------|
| A. fertilisers        | 1. ammonia |
| B. particulate matter | 2. sulphur |
| C. coal               | 3. mining  |

The correct order is:

- a. A-1, B-2, C-3
- b. A-3, B-2, C-1
- c. A-1, B-3, C-2
- d. A-3, B-1, C-2

Darken your choice with HB pencil

- 1. (a) (b) (c) (d)
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# Literature, Art and Music

1. Ms.Kiran Bedi was awarded the Ramon Magsaysay Award in 1994 for her contribution in the field of \_\_\_\_\_.
  - a. literature
  - b. community welfare
  - c. government service
  - d. journalism
2. Cordelia, Goneril and Regan are characters from the play \_\_\_\_\_.
  - a. Pericles
  - b. King Lear
  - c. A Midsummer Night's Dream
  - d. Cymbeline
3. Who wrote 'The Ruins of Time'?
  - a. Sir Philip Sidney
  - b. Edmund Spencer
  - c. John Keat
  - d. Henry
4. Which mountaineer wrote the book 'Born Again on the Mountain'?
  - a. Bachendri Pal
  - b. Arunima Sinha
  - c. Santhosh Yadav
  - d. Premlata Agarwal
5. \_\_\_\_\_ became the first Indian to receive the Nobel Prize in Literature.
  - a. Mother Teresa
  - b. C. V. Raman
  - c. Rabindranath Tagore
  - d. Sarojini Naidu
6. \_\_\_\_\_ is the oldest language that has been preserved in writing.
  - a. Sanskrit
  - b. Arabic
  - c. Sumerian
  - d. Esperanto
7. In which of the following fields is the Saraswati Samman awarded for?
  - a. classical music
  - b. education
  - c. literature
  - d. fine arts
8. There are three categories of performance on the Natya Shastra. These are Nritya, Natya and \_\_\_\_\_.
  - a. Nrit
  - b. Nritya
  - c. Nash
  - d. none of these
9. Ali Akbar Khan is famous for which musical instrument?
  - a. Flute
  - b. Veena
  - c. Sitar
  - d. Sarod
10. Name the dance form that is based on a theme or story from the Mahabharata and Ramayana.
  - a. Bharatnatyam
  - b. Mohiniattam
  - c. Odissi
  - d. Kuchipudi

11. **Romeo and Juliet** is a \_\_\_\_\_ written by William Shakespeare early in his career.
- comedy
  - tragedy
  - romance
  - morality play
12. **Who among the following have been awarded Bharat Ratna in 2019?**
- Pranab Mukherjee
  - Bhupen Hazarika
  - Nanaji Deshmukh
  - all of the above
13. **To which family do drums, triangles and xylophones belong to?**
- brass
  - strings
  - woodwinds
  - percussion
14. **Who gave the quotation - 'Know then thyself, presume not God to scan'.**
- P B Shelly
  - Alexander Pope
  - Franklin Roosevelt
  - Pluto
15. \_\_\_\_\_ was the last place that was visited by Gulliver.
- Brobdingnag
  - Lilliput
  - Houyhnhnm land
  - Laputa
16. **'My Life' is an autobiography of which famous personality?**
- Hillary Clinton
  - Winston Churchill
  - Bill Clinton
  - Andre Agassi
17. **Name the author of the book 'Violence of Green Revolution'.**
- Menaka Gandhi
  - Vandana Shiva
  - Sheela Dikshit
  - Arundhati Roy
18. **Hari Prasad Chaurasia is famous for which musical instrument?**
- sitar
  - sarod
  - tabla
  - flute
19. **Who is called the 'poet's poet'?**
- Edmund Spencer
  - Geoffrey Chaucer
  - Roger Bacon
  - William Shakespeare
20. **Ikebana is a Japanese art of:**
- paper craft
  - dress designing
  - flower arrangement
  - miniature tree farming
21. **Which Indian filmmaker has directed films like Pather Panchali and The stranger. He has also written several books.**
- Satyajit Ray
  - A.K. Hangal
  - Thala Ajith
  - None of them
22. **In which state is the folk dance Fugdi performed?**
- Goa
  - Bihar
  - Sikkim
  - Assam

**23. Who is the Shrew in the play 'The Taming of the Shrew'?**

- a. Bianca      b. Katherine
- c. Cleopatra      d. Matilda

**24. Who among the is the most important officials who helped Gulliver?**

- a. Yahoo      b. Struldbrug
- c. Flimnap      d. Reldresal

**25. The lowest range of musical note is called \_\_\_\_\_.**

- a. treble
- b. soprano
- c. bass
- d. none of these

**26. Which is the first 3D film of India?**

- a. My Dear Kuttichathan
- b. Mutthu
- c. Chemmeen
- d. Shalimar

**27. Who is the writer of the book 'Becoming'?**

- a. Joanna Gaines
- b. Michelle Obama
- c. Donna Tart
- d. Jhumpa Lahiri

**28. Kalbelia is a famous dance of which Indian state?**

- a. Kerala      b. Rajasthan
- c. Haryana      d. Gujarat

**29. American artist, James McNeill Whistler, in his famous painting depicted his mother sitting on a chair against a grey wall. Name the painting.**

- a. Portrait of Madame Recamier
- b. American Gothic
- c. The Flower Carrier
- d. Whistler's Mother

**30. Who among the following is not known for 'Thumri' form of Indian music?**

- a. Nawab Wajid Ali Shah
- b. Tansen
- c. Siddheshwari Devi
- d. Amir Khusaro

Darken your choice with HB pencil

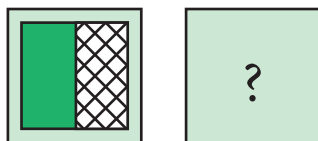
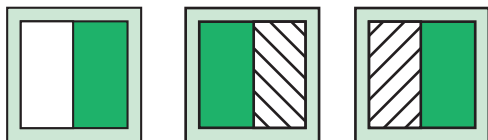
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- 24. (a) (b) (c) (d)

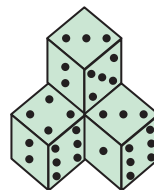
- 25. (a) (b) (c) (d)
- 26. (a) (b) (c) (d)
- 27. (a) (b) (c) (d)
- 28. (a) (b) (c) (d)
- 29. (a) (b) (c) (d)
- 30. (a) (b) (c) (d)

- Ayesha walked 1km towards East. She then turned South and walked 5km. Now, she turned East and walks 2km, after which she turned North and walked 9km. How far is Ayesha from her starting point?
  - 3km
  - 4km
  - 5km
  - 7km
- Raju introduces Rajan as the son of the only brother of his father's wife. How is Rajan related to Raju?
  - cousin
  - son
  - son-in-law
  - brother
- Find the figure that comes next in the series.



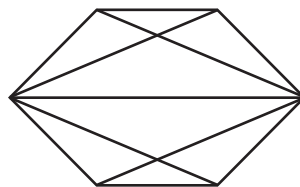
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- Find the water image of:

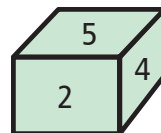
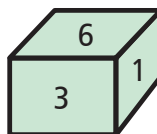


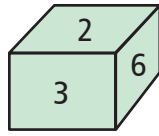
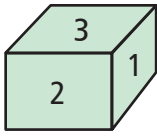
- 
- 
- 
- 

- Find the number of quadrilaterals in the given figure.



- 6
  - 7
  - 9
  - 11
- A dice was thrown four times and it produced the following results.





**Which number would appear opposite to the number 3?**

- a. 4                      b. 5
- c. 6                      d. 1

**7. Which word does NOT belong with the others?**

- a. parsley              b. basil
- c. dill                    d. cheese

**8. If ANGLE is coded as CQKQK, how would HANDLE be written in that code?**

- a. GGDNXU              b. GGDNVU
- c. GGVNXS              d. GGVUDN

**Find the odd one out.**

- 9.** a. pathology  
b. oncology  
c. astrology  
d. nephrology

- 10.** a. offense  
b. justice  
c. fairness  
d. impartial

**Read the following statements and decide which one of the given conclusions logically follows from the given statements:**

- 11. i) All dogs are cats.  
ii) Some cats are black.**

**Conclusions:**

- I Some dogs are black.**
- II Some cats are dogs.**

- a. both i and ii follow.
- b. only conclusion i follows.
- c. only conclusion ii follows.
- d. none of the conclusions follow.

**12. Statements:**

- i) Some apples are yellow.**
- ii) Yellow is an apple.**

**Conclusions:**

- I Some apples are green.**
- II Yellow is golden.**

- a. only conclusion I follows.
- b. only conclusion II follows.
- c. neither I nor II follows.
- d. both I and II follows.

**13. Statements:**

- i) All windows are doors.**
- ii) Some doors are cupboards.**

**Conclusions:**

- I All cupboards are doors.**
- II All doors are windows.**
- III All windows are cupboards.**
- IV All cupboards are windows.**

- a. only conclusion I follows.
- b. only conclusion II follows.
- c. neither i nor II follows.
- d. both I and II follows.

**14. Statements:**

- i) All owls are parrots.**
- ii) No parrot is green.**

**Conclusions:**

- I No owl is green.**
- II All parrots are owls.**



III Some parrots are owls.

IV Some owls are green.

- a. only I and II follow.
- b. only I and III follow.
- c. only III and IV follow.
- d. none of the statements follows.

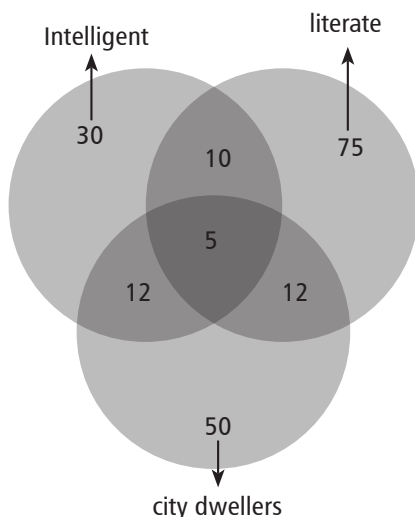
15. Rishi places a watch on his study table. The hour hand is pointing towards West. If the minute hand is pointing towards east, what is the time in Rishi's watch?

- a. 9:00                      b. 9:05
- c. 9:10                      d. 9:15

16. Arun is in a group of 26 people. His position is 7th from the bottom. What is his position from the top of the group?

- a. 20<sup>th</sup>                      b. 21<sup>st</sup>
- c. 17<sup>th</sup>                      d. 22<sup>nd</sup>

17. Study the following picture carefully and identify the area which depicts intelligent people who are not city dwellers but literate.



- a. 30, 5, 75
- b. 30, 12, 50
- c. 30, 10, 75
- d. none of these

18. The product of any two irrational number is:

- a. always an irrational number
- b. always a rational number
- c. always an integer
- d. sometimes rational, sometimes irrational

19. Nayanpreet is an intelligent girl. She is too intelligent to fail in the interview.

Assumption I: Very intelligent girls do not fail in an interview.

Assumption II: Those who are not intelligent at all may fail in an interview.

- a. Assumption I is implicit.
- b. Assumption II is implicit.
- c. Both I and II are implicit.
- d. Neither of them is implicit.

Read the information and answer questions 20 & 21 based on it.

6 children are playing basketball, namely A, B, C, D, E and F. A and E are brothers. F is the sister of E. C is the only son of A's uncle. B and D are daughters of the brother of C's father.

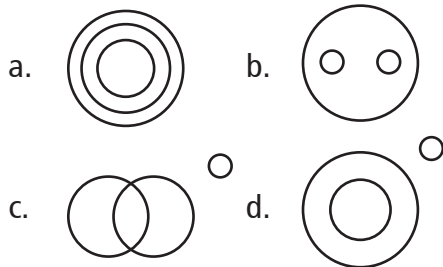
20. How is C related to F?

- a. cousin
- b. brother
- c. son
- d. uncle

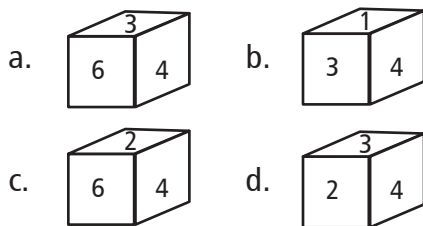
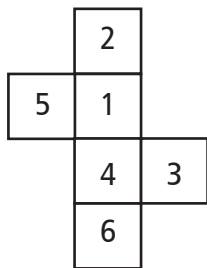
21. How many male players are there?

- a. two
- b. three
- c. four
- d. five

22. Which of the following coded diagrams illustrates the relationship among 'Languages', 'Punjabi', 'Gujarati'?



23. Select the answer after a box was formed by folding the sheet shown in figure below.



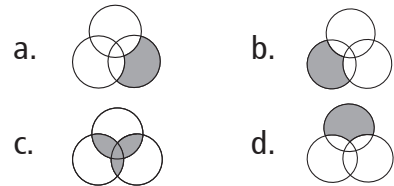
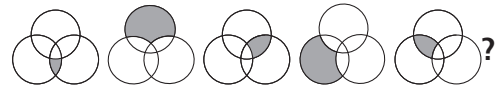
24. If 'x' stands for '-', '÷' stands for '+', '+' stands for '÷' and '-' stands for '×'. Which of the following equations is correct?

- a.  $6 \times 2 + 3 \div 12 - 3 = 15$
- b.  $15 - 5 \div 5 \times 20 + 10 = 6$

c.  $8 \div 10 - 3 + 5 \times 6 = 8$

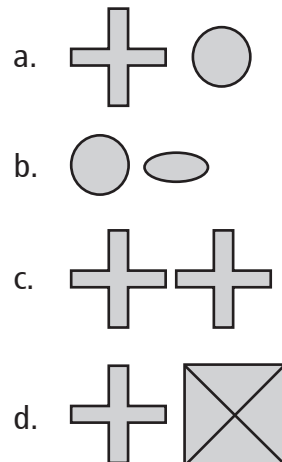
d. none of the above

25. What will come next?



26. Fill the spaces with appropriate symbol in the word below.

W \_ A K \_ N



27. Diseases : Pathology :: Animals : ?

- a. Fungi
- b. Zoology
- c. Botany
- d. Microbes

28. Fish : Ichthyology :: Writings : ?

- a. Paleography
- b. Crystallography
- c. Metallography
- d. Stereography

A group of 7 children A, B, C, D, E, F, G facing the audience are standing on the stage as follows: (Q29 and Q30)

- i) D is to the right of C.
- ii) F is standing besides G.
- iii) B is to the left of F.
- iv) E is to the left of A.
- v) C and B have one person between them.
- vi) E and A have one person between them.

29. Who is on the extreme right?

- a. G                      b. C
- c. D                      d. E

30. If we start counting from the left, on which number is B?

- a. 3<sup>rd</sup>                      b. 5<sup>th</sup>
- c. 2<sup>nd</sup>                      d. 4<sup>th</sup>

Darken your choice with HB pencil

1. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	9. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	17. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	25. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
2. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	10. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	18. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	26. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
3. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	11. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	19. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	27. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
4. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	12. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	20. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	28. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
5. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	13. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	21. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	29. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
6. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	14. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	22. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	30. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d
7. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	15. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	23. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	
8. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	16. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	24. <input type="radio"/> a <input type="radio"/> b <input type="radio"/> c <input type="radio"/> d	

# Life Skills

1. **What do you do when your best friend starts ignoring you?**
  - a. You also ignore him/her.
  - b. You feel very bad but do nothing.
  - c. You talk negative about him/her.
  - d. Ask your friend why he/she is ignoring you.
2. **What is the national emergency number?**
  - a. 100
  - b. 110
  - c. 112
  - d. 102
3. **\_\_\_\_\_ is the concept that describes the beliefs of an individual or culture.**
  - a. Attitude
  - b. Values
  - c. Behaviour
  - d. Personality
4. **What should you do in case of minor burns?**
  - a. Remove clothing that is covering the burn.
  - b. Rinse the burnt area with cool running water.
  - c. Apply a moisturiser or aloe vera gel.
  - d. all of these
5. **Cardiopulmonary Resuscitation (CPR) is an emergency procedure that is used \_\_\_\_\_.**
  - a. to restore blood circulation in brain
  - b. to help in breathing process
  - c. to measure the thickness of veins
  - d. none of these
6. **Improving decision making skill can \_\_\_\_\_.**
  - a. give us more freedom
  - b. control over our life
  - c. increase the chances of being satisfied
  - d. all of these
7. **What is the Child Helpline Number in India?**
  - a. 1094
  - b. 1098
  - c. 1073
  - d. none of the above
8. **Presentation is a form of oral communication. Here, a person shares factual information with an audience that is \_\_\_\_\_.**
  - a. small
  - b. specific
  - c. mixed
  - d. large

9. Which of the following can effect the development of an individual's personality?

- a. Physical and mental capabilities
- b. Health and physical appearance
- c. Skin, color, gender and sexual orientation
- d. All of the above

10. What among the following is NOT to be kept in mind during an earthquake?

- a. Do not use the elevators.
- b. Stand near the glass windows.
- c. Pull over and stop if driving a car.
- d. Move to a clear area away from signs, trees, electrical wires if outdoors.

Darken your choice with HB pencil

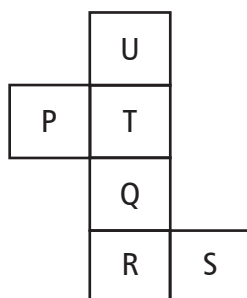
1. (a) (b) (c) (d)  
2. (a) (b) (c) (d)  
3. (a) (b) (c) (d)

4. (a) (b) (c) (d)  
5. (a) (b) (c) (d)  
6. (a) (b) (c) (d)

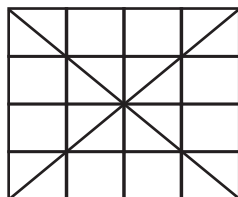
7. (a) (b) (c) (d)  
8. (a) (b) (c) (d)  
9. (a) (b) (c) (d)

10. (a) (b) (c) (d)

1. Observe the figure of a plane view of a cube and tell which two faces will be opposite to each other?



- a. P and Q      b. Q and S  
c. P and R      d. Q and U
2. How many triangles are there in the given figure?



- a. 32      b. 36  
c. 40      d. 48
3. Which of the following will turn a blue litmus paper red?
- a. lemon juice  
b. dilute sodium hydroxide solution  
c. distilled water  
d. soapy water

4. Anamika and Sujata are sisters. Each has some money. If Anamika gives ₹30 to Sujata, then Sujata will have twice the money left with Anamika. But if Sujata gives ₹10 to Anamika, then Anamika will have thrice as much as is left with Sujata. How much money do Anamika and Sujata have?

- a. ₹60, ₹30  
b. ₹62, ₹34  
c. ₹60, ₹32  
d. ₹64, ₹34

5. When current is passed through acidulated water, the  $H_2$  and the  $O_2$  gases separate. The  $H_2$  gets accumulated on the negative terminal (electrode). Why does it not deposit on positive electrode?
- a. Hydrogen is negatively charged.  
b. Hydrogen is positively charged.  
c. It is because of acidulated water.  
d. Hydrogen does not carry any charge.
6. Find the odd one out from the given options.
- a. impartiality      b. offence  
c. fairness      d. justice

7. Which of the following tourist attractions has the following features?

It is close to a water body.

It was built in the 20<sup>th</sup> century.

Its lies in the southern hemisphere.

- a. The Louvre
- b. Machu Picchu
- c. Statue of Liberty
- d. Sydney Opera House

8. Choose the odd numeral pair/group.

- a. 15 - 23
- b. 21 - 29
- c. 17 - 25
- d. 18 - 26

9. If  $A + B$  means A is the mother of B;  $A \times B$  means A is the father of B;  $A \$ B$  means A is the brother of B and  $A @ B$  means A is the sister of B then which of the following means that P is the son of Q?

- a.  $Q + R @ P @ N$
- b.  $Q + R * P @ N$
- c.  $Q \times R \$ P @ N$
- d.  $Q \times R \$ P \$ N$

10. 'A' is B's brother, 'C' is A's mother, 'D' is C's father, E is B's son. How is 'D' related to E?

- a. Son
- b. Grandson
- c. Grandfather
- d. Great Grandfather

Darken your choice with HB pencil

- 1. ☐ a ☐ b ☐ c ☐ d
- 2. ☐ a ☐ b ☐ c ☐ d
- 3. ☐ a ☐ b ☐ c ☐ d
- 4. ☐ a ☐ b ☐ c ☐ d

- 5. ☐ a ☐ b ☐ c ☐ d
- 6. ☐ a ☐ b ☐ c ☐ d
- 7. ☐ a ☐ b ☐ c ☐ d
- 8. ☐ a ☐ b ☐ c ☐ d

- 9. ☐ a ☐ b ☐ c ☐ d
- 10. ☐ a ☐ b ☐ c ☐ d
- 11. ☐ a ☐ b ☐ c ☐ d
- 12. ☐ a ☐ b ☐ c ☐ d

- 13. ☐ a ☐ b ☐ c ☐ d
- 14. ☐ a ☐ b ☐ c ☐ d
- 15. ☐ a ☐ b ☐ c ☐ d
- 16. ☐ a ☐ b ☐ c ☐ d

# Answers

## Chapter 1 : Nature And Its Glory

1.	c	2.	a	3.	a	4.	b	5.	c	6.	b	7.	d	8.	d	9.	a	10.	c
11.	b	12.	a	13.	b	14.	b	15.	a	16.	b	17.	c	18.	c	19.	b	20.	a
21.	d	22.	b	23.	c	24.	d	25.	a	26.	b	27.	a	28.	c	29.	d	30.	d

## Chapter 2 : Mapping The World

1.	b	2.	a	3.	d	4.	d	5.	c	6.	a	7.	c	8.	b	9.	b	10.	d
11.	b	12.	c	13.	b	14.	b	15.	d	16.	b	17.	a	18.	d	19.	b	20.	b
21.	a	22.	c	23.	d	24.	b	25.	a	26.	d	27.	a	28.	c	29.	a	30.	b

## Chapter 3 : Sports And Games

1.	b	2.	c	3.	c	4.	a	5.	c	6.	a	7.	c	8.	d	9.	b	10.	d
11.	c	12.	b	13.	a	14.	b	15.	a	16.	c	17.	c	18.	a	19.	c	20.	b
21.	c	22.	d	23.	a	24.	c	25.	a	26.	b	27.	b	28.	b	29.	a		

## Chapter 4 : Discover India

1.	b	2.	a	3.	d	4.	c	5.	c	6.	c	7.	c	8.	a	9.	b	10.	c
11.	a	12.	d	13.	d	14.	a	15.	c	16.	a	17.	d	18.	b	19.	a	20.	a
21.	c	22.	d	23.	c	24.	d	25.	c	26.	a	27.	b	28.	d	29.	a	30.	d

## Chapter 5 : The Scientific World

1.	b	2.	d	3.	a	4.	d	5.	a	6.	b	7.	c	8.	d	9.	d	10.	d
11.	b	12.	a	13.	d	14.	c	15.	d	16.	c	17.	a	18.	d	19.	c	20.	a
21.	a	22.	d	23.	c	24.	a	25.	d	26.	d	27.	a	28.	a	29.	b	30.	c

## Chapter 6 : Earth And Its Environment

1.	c	2.	a	3.	c	4.	d	5.	b	6.	c	7.	b	8.	b	9.	b	10.	d
11.	b	12.	d	13.	a	14.	a	15.	d	16.	a	17.	c	18.	d	19.	c	20.	c
21.	a	22.	c	23.	a	24.	a	25.	d	26.	a	27.	a	28.	d	29.	d	30.	c

## Chapter 7 : Literature, Art And Music

1.	c	2.	b	3.	b	4.	b	5.	c	6.	c	7.	c	8.	b	9.	d	10.	a
11.	b	12.	d	13.	d	14.	b	15.	c	16.	c	17.	b	18.	d	19.	a	20.	c
21.	a	22.	a	23.	b	24.	d	25.	c	26.	a	27.	b	28.	b	29.	c	30.	d



## Chapter 8 : Reasoning

1.	c	2.	a	3.	b	4.	c	5.	d	6.	a	7.	d	8.	c	9.	c	10.	a
11.	a	12.	c	13.	c	14.	b	15.	d	16.	a	17.	c	18.	d	19.	c	20.	a
21.	b	22.	b	23.	a	24.	c	25.	a	26.	c	27.	b	28.	a	29.	a	30.	b

## Chapter 9: Life Skills

1.	d	2.	c	3.	a	4.	d	5.	b	6.	d	7.	b	8.	b	9.	d	10.	b
----	---	----	---	----	---	----	---	----	---	----	---	----	---	----	---	----	---	-----	---

## Chapter 10 : HOTS

1.	c	2.	a	3.	a	4.	b	5.	b	6.	b	7.	d	8.	d	9.	d	10.	d
----	---	----	---	----	---	----	---	----	---	----	---	----	---	----	---	----	---	-----	---