



Inspiring Young Minds
Through Knowledge Olympiads

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Name:

SOF Olympiad Roll No.:

Contact No.

Total Questions: 50

Time: 1 hr.

CLASS

12

QUESTION PAPER SET

C



SOF INTERNATIONAL ENGLISH
OLYMPIAD 2022-23

Guidelines for the Candidate

1. You will get additional ten minutes to fill up information about yourself on the OMR Sheet, before the start of the exam.
2. Write your **Name, School Code, Class, Roll No.** and **Mobile Number** clearly on the **OMR Sheet** and do not forget to sign it. We will share your marks / result and other information related to SOF exams on your mobile number.
3. The Question Paper comprises four sections:

Word and Structure Knowledge, Reading, Spoken and Written Expression & Achievers Section.

Each question in Achievers Section carries 3 marks, whereas all other questions carry one mark each.

4. All questions are compulsory. There is no negative marking.
5. There is only ONE correct answer. Choose only ONE option for an answer.
6. To mark your choice of answers by darkening the circles on the OMR Sheet, use **HB Pencil** or **Blue / Black ball point pen** only. E.g,

Q.16: Fill in the blanks.

Please teach my dog _____ a ball.

A. to fetch **B.** learn **C.** show **D.** to learn

16. ● ○ ○ ○ ○

As the correct answer is option A, you must darken the circle corresponding to option A on the OMR Sheet.

7. Return the OMR Sheet to the invigilator at the end of the exam.
8. Please fill in your personal details in the space provided on this page before attempting the paper.



WORD AND STRUCTURE KNOWLEDGE

FOR QUESTIONS 1 TO 24, CHOOSE THE CORRECT OPTION TO FILL IN THE BLANK.

1. The annual sports fest is a _____ of events that took place throughout the year at various places.
 - A. compensation
 - B. cultivation
 - C. culmination
 - D. cancellation

2. He trusted his _____ during difficult times to know better.
 - A. ego
 - B. infection
 - C. intuition
 - D. constitution

3. The _____ of various types of rocks were placed in the geology lab for the purpose of examination and analysis.
 - A. samples
 - B. share
 - C. scopes
 - D. sanctify

4. The nature of the problem warranted an examination and analysis for the purpose of _____.
 - A. glorification
 - B. clarification
 - C. customisation
 - D. sedimentation

5. The little girl _____ her favourite toys while her parents were shopping.
 - A. take up
 - B. sent off
 - C. packed at
 - D. picked out

6. The patient _____ during the operation.
 - A. was sedated
 - B. is sedating
 - C. sedation
 - D. has sedated

7. He _____ the song by heart so much so that he could sing the song in his own tune.
 - A. has been memorised
 - B. have memorised
 - C. are memorised
 - D. had memorised

8. A lot of sea turtles _____ ashore because of the sea tides.
 - A. have been washed
 - B. are washing
 - C. is washed
 - D. were washing

9. It irritated him to think that no one _____ him seriously.
 - A. is taking
 - B. is talking
 - C. am taking
 - D. were taken

10. I _____ able to help you when I come home from work.
 - A. was be
 - B. has be
 - C. would be
 - D. will be

11. His parents took him out to dinner _____ him on his achievement.
 - A. are congratulate
 - B. has been congratulated
 - C. to congratulate
 - D. was congratulated

12. Sara cried all _____ way back home, because she had lost her favourite toy in _____ park.
 - A. a, the
 - B. an, a
 - C. the, an
 - D. the, the

13. A city is a place where people live amidst the _____ of traffic and vehicles.
 - A. humph and trump
 - B. odds and ease
 - C. hustle and bustle
 - D. fact and fiction

14. People neither enjoyed his dark humour nor his _____ remarks about the strangers he barely knew.

- A. punctual
- B. patience
- C. sarcastic
- D. sincere

15. The scientists studied and researched the problem thereof, and _____ haven't got any solutions so far.

- A. yet
- B. therefore
- C. whether
- D. since

16. A mirage is an example of _____ illusion.

- A. olfactory
- B. optical
- C. tactile
- D. nasal

17. The bench of judges _____ handled the old man's case.

- A. leftly
- B. colourfully
- C. squared
- D. deftly

18. Tarun drew a DD from the bank _____ the organising committee.

- A. in favour of
- B. in spite of
- C. by dint of
- D. in order to

19. He survived his ordeals _____ hard work and determination.

- A. in case of
- B. with an eye of
- C. according
- D. by dint of

20. Her pioneering work _____ the field of psychology was considered to be remarkable.

- A. in
- B. upon

- C. over
- D. from

21. The investigation officials were _____ his every movement for any new leads and clues that might solve the case.

- A. catching of
- B. tracking down
- C. upside down
- D. continued on

22. A kitten _____ its head from a person's bag and meowed to everyone's surprise and delight.

- A. popped out
- B. popped in
- C. popped off
- D. popped into

23. The situation _____ to be contained before it escalated any further.

- A. dare
- B. could
- C. would
- D. had

24. You _____ not worry about the cold for I have an extra jacket.

- A. dare
- B. would
- C. need
- D. could

FOR QUESTIONS 25 AND 26, CHOOSE THE CORRECT SYNONYM OF THE GIVEN WORD.

25. Subservient

- A. Straight-forward
- B. Domineering
- C. Aggressive
- D. Submissive

26. Podgy

- A. Queasy
- B. Chubby
- C. Thin
- D. Tall

FOR QUESTIONS 27 AND 28, CHOOSE THE CORRECT ANTONYM OF THE GIVEN WORD.

27. Cursory

- A. Thorough
- B. Perfunctory
- C. Superficial
- D. Offhand

28. Derisive

- A. Deprecatory
- B. Disparage
- C. Repress
- D. Respectful

FOR QUESTIONS 29 AND 30, CHOOSE THE OPTION WITH CORRECT SPELLING.

29. How do you spell the word that means 'to be stingy'?

- A. Parsimonious
- B. Parcimonious
- C. Parsimious
- D. Parsiminious

30. How do you spell the word that means 'to be clear'?

- A. Perspity
- B. Perpicuity
- C. Perspicuity
- D. Perspicity

READING

FOR QUESTIONS 31 TO 35, READ THE PASSAGE AND ANSWER THE QUESTIONS THAT FOLLOW.

According to the proceedings of *Goldschmidt conference*, a new model from NASA scientists supports the theory that the interior ocean in Jupiter's moon, Europa would be able to sustain life. In addition, they have calculated that this water, believed to be an ocean under the surface ice shell, could have been formed by breakdown of water-containing minerals due to either tidal forces or radioactive decay. This work, which is not yet peer-reviewed, is presented for the first time at the virtual Goldschmidt conference, and may have implications for other moons in the Solar System.

Europa is one of the largest moons in the solar system. Since the flybys of the Voyager and Galileo spacecraft, scientists have held that the surface crust floats on a subsurface ocean. However, the origins and composition of this ocean have been unclear.

The researchers based at NASA's Jet Propulsion Laboratory in California, modelled geochemical reservoirs within the interior of Europa using data from the

Galileo mission. Lead researcher Mohit Melwani Daswani said, "We were able to model the composition and physical properties of the core, silicate layer, and ocean. We find that different minerals lose water and volatiles at different depths and temperatures. We added up these volatiles that are estimated to have been lost from the interior, and found that they are consistent with the current ocean's predicted mass, meaning that they are probably present in the ocean."

The researchers found that ocean worlds such as Europa can be formed by metamorphism: in other words, heating and increased pressure caused by early radioactive decay or later subsurface tidal movement, would cause the breakdown of water-containing minerals, and the release of the trapped water.

They also found that this ocean would originally have been mildly acidic, with high concentrations of carbon dioxide, calcium, and sulfate. "Indeed it was thought that this ocean could still be rather sulfuric," said Mohit Melwani Daswani, "but our simulations, coupled with data from the Hubble Space Telescope, showing chloride

on Europa's surface, suggests that the water most likely became chloride rich. In other words, its composition became more like oceans on Earth. We believe that this ocean could be quite habitable for life."

He continued, "Europa is one of our best chances of finding life in our solar system. NASA's Europa Clipper mission will launch in the next few years, and so our work aims to prepare for the mission, which will investigate Europa's habitability. Our models lead us to think that the oceans in other moons, such as Europa's neighbour Ganymede, and Saturn's moon Titan, may also have formed by similar processes. We still need to understand several points though, such as how fluids migrate through Europa's rocky interior."

The researchers have now teamed up with groups in Nantes and Prague to try to identify if seafloor volcanoes may have contributed to the evolution of the chloride-rich water on Europa. NASA has recently released new high-resolution photos of Europa, showing possible exploration sites to test these findings.

With a diameter of 3,100 km, Europa is slightly smaller than the Earth's Moon. As Europa orbits Jupiter around 780 million km from the Sun, the surface temperature never rises above minus 160 Celsius; the ocean temperature is still unknown. Galileo is credited with discovering Europa, along with 3 larger moons of Jupiter, on January 8th 1610.

31. What did researchers find about the formation of ocean on Europa?
- It was formed by the volcano eruption on the planet.
 - It was formed by the breakdown of water containing minerals due to either tidal forces or radioactive decay.
 - It was formed by the breakdown of mountains on the planet.
 - It was formed by the breakdown of surface on the planet.

32. Heating and increased pressure caused by early radioactive decay or subsurface tidal movement is called _____.

- ganymede
- titan
- metamorphism
- prague

33. Choose the incorrect statement.

- Europa is one of the largest moons in the Solar System.
- Researchers have a theory that Europa's ocean would be able to sustain life.
- Galileo discovered Europa along with 3 larger moons of Jupiter.
- Europa is much larger in size than the Earth's moon.

34. Which of the following are not the characteristics of Europa?

- Europa's diameter is 3,100 km.
- Europa orbits Jupiter around 780 million km from the sun.
- Europa's surface temperature rises above -160°C .
- Europa's ocean temperature is somewhere around -350°C .

- 1 and 2 only
- 2 and 3 only
- 3 and 4 only
- 1 and 4 only

35. Choose the synonym of the word 'composition'.

- Interruption
- Logical
- Formation
- Superficial

FOR QUESTIONS 36 TO 40, READ THE PASSAGE AND ANSWER THE QUESTIONS THAT FOLLOW.

By Hellmut E. Lehmann-Haupt

Johannes Gutenberg was a German craftsman and inventor who invented a method of printing from movable type. Elements of his invention are thought to have included a metal alloy that could melt readily and cool quickly to form durable

reusable type, an oil-based ink that could be made sufficiently thick to adhere well to metal type and transfer well to vellum or paper, and a new press, likely adapted from those used in producing wine, oil, or paper, for applying firm even pressure to printing surfaces. None of these features existed in the European technique used up to that time for stamping letters on various surfaces or in woodblock printing. Gutenberg's printing press was considered a history-changing invention, making books widely accessible and ushering in an "information revolution".

Gutenberg was long thought to have also invented the punch-matrix system of casting metal type. However, in the early 2000s a computer-aided analysis of Gutenberg's printed work showed that there was too much variation in characters of a given sort (e.g., the letter i) for his type to have been cast that way. Some scholars now think that the punch-matrix system emerged several years after Gutenberg's death.

Gutenberg was the son of a patrician of Mainz. What little information exists about him, other than that he had acquired skill in metalwork, comes from documents of financial transactions. Exiled from Mainz in the course of a bitter struggle between the guilds of that city and the patricians, Gutenberg moved to Strassburg (now Strasbourg, France) probably between 1428 and 1430. Records mention his presence there from 1434 to 1444. He engaged in such crafts as gem cutting, and he also taught a number of pupils.

Some of his partners, who became aware that Gutenberg was engaged in a work that he kept secret from them, insisted that, since they had advanced him considerable sums, they should become partners in these activities as well. Thus, in 1438 a five-year contract was drawn up between him and three other men: Hans Riffe, Andreas Dritzehn, and Andreas Heilmann.

It contained a clause whereby in case of the death of one of the partners, his heirs were not to enter the company but were to be compensated financially.

When Andreas Dritzehn died at Christmas 1438, his heirs, trying to circumvent the terms of the contract, began a lawsuit against Gutenberg in which they demanded to be made partners. They lost the suit, but the trial revealed that Gutenberg was working on a new invention. Witnesses testified that a carpenter named Conrad Saspach had advanced sums to Andreas Dritzehn for the building of a wooden press, and Hans Dünne, a goldsmith, declared that he had sold to Gutenberg, as early as 1436, 100 guilders' worth of printing materials. Gutenberg, apparently well along the way to completing his invention, was anxious to keep secret the nature of the enterprise.

After March 12, 1444, Gutenberg's activities are undocumented for a number of years, but it is doubtful that he returned immediately to Mainz, for the quarrel between patricians and guilds had been renewed in that city. In October 1448, however, Gutenberg was back in Mainz to borrow more money, which he received from a relative. By 1450 his printing experiments had apparently reached a considerable degree of refinement, for he was able to persuade Johann Fust, a wealthy financier, to lend him 800 guilders — a very substantial capital investment, for which the tools and equipment for printing were to act as securities. Two years later Fust made an investment of an additional 800 guilders for a partnership in the enterprise. Fust and Gutenberg eventually became estranged, Fust, apparently, wanting a safe and quick return on his investment, while Gutenberg aimed at perfection rather than promptness.

Fust won a suit against him, the record of which is preserved, in part, in what is called the Helmaspergersches Notariatsinstrument (the Helmasperger notarial instrument),

dated November 6, 1455, now in the library of the University of Göttingen. Gutenberg was ordered to pay Fust the total sum of the two loans and compound interest (probably totalling 2,020 guilders). Traditional historiography suggested that this settlement ruined Gutenberg, but more recent scholarship suggests that it favoured him, allowing him to operate a printing shop through the 1450s and maybe into the 1460s.

36. According to the passage, which of the following was an element of Gutenberg's printing invention?

- A. Pencil
- B. Oil-based ink
- C. Colourful pens
- D. Different colours

37. Choose the incorrect statement.

- A. Gutenberg's printing press is considered as a history changing invention.
- B. Gutenberg moved to Strassburg probably between 1428 and 1430.
- C. Gutenberg was ordered to pay around 2,120 guilders to Fust because he lost the suit against him.
- D. Gutenberg was engaged in crafts such as gem cutting during 1434 to 1444.

38. Match the following based on the passage.

| Column I | Column II |
|-----------------------------------|--|
| a. 1428-1430 | i. Gutenberg returned to Mainz. |
| b. 1448 | ii. Gutenberg moved to Strassburg. |
| c. 1438 | iii. Gutenberg was engaged in gem cutting. |
| d. 1434-1444 | iv. Gutenberg signed a five-year contract. |
| A. a-(ii), b-(i), c-(iv), d-(iii) | |
| B. a-(i), b-(iii), c-(ii), d-(iv) | |
| C. a-(iii), b-(ii), c-(i), d-(iv) | |
| D. a-(iv), b-(iii), c-(i), d-(ii) | |

39. Who among the following hadn't signed the five-year contract along with Johannes Gutenberg?

- A. Hans Riffe
- B. Andreas Dritzehn
- C. Conrad Saspach
- D. Andreas Heilmann

40. The word 'patricians' means _____.

- A. labourers
- B. politicians
- C. noblemen
- D. musicians

SPOKEN AND WRITTEN EXPRESSION

FOR QUESTIONS 41 TO 45, CHOOSE THE CORRECT OPTION TO COMPLETE EACH CONVERSATION.

41. Shyam: I'll never know how you did that _____ on your own.

- A. some
- B. all
- C. every
- D. either

42. Vinolin: He looked pale and the _____ of his voice was weak and shaky. I knew something was wrong.

- A. tenure
- B. tendon
- C. tenor
- D. tumour

43. Balu: The neighbour next door always has a _____ and arrogant look on his face that scares many people.

- A. serene
- B. gracious
- C. mild
- D. contemptuous

44. Britney: There are some plants that glow at night and lose their _____ when there is sunlight.
- A. luminance
 - B. limit
 - C. liminal
 - D. lunar

45. Lee: The farmer _____ in the fields from dawn till dusk every single day.
- A. toiling
 - B. be toiling
 - C. has been toiling
 - D. to toiled

ACHIEVERS SECTION

FOR QUESTIONS 46 AND 47, CHOOSE THE CORRECT OPTION TO FILL IN THE BLANK.

46. A _____ of voices were heard from a very long distance.

- A. whistle
- B. humdrum
- C. colony
- D. cacophony

47. He _____ in the competition if his mother hadn't encouraged him.

- A. would have participating
- B. won't had participate
- C. would hasn't participate
- D. wouldn't have participated

48. CHOOSE THE CORRECT SYNONYM OF THE GIVEN WORD.

Perturbation

- A. Anxiety

- B. Auspicious
- C. Courteous
- D. Independent

49. CHOOSE THE CORRECT ANTONYM OF THE GIVEN WORD.

Sacrilegious

- A. Pious
- B. Profane
- C. Pernicious
- D. Preserve

50. CHOOSE THE CORRECT OPTION TO COMPLETE THE CONVERSATION.

Suresh: He _____ the matter once he realised that he wouldn't benefit from it.

- A. washed away
- B. washed his hands off
- C. put his foot down
- D. put his finger in the pie



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