

Inspiring Young Minds
Through Knowledge Olympiads

## 

Total Questions: 50

Time: 1 hr

# CLASS 10



in association with

BRITISH
COUNCIL

QUESTION PAPER SET

#### Guidelines for the Candidate

- You will get additional ten minutes to fill up information about yourself on the OMR Sheet, before the start of the exam.
- Write your Name, School Code, Class, Section, 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

C. show

D. to learn



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
- Please fill in your personal details in the space provided on this page before attempting the paper.

### WORD AND STRUCTURE KNOWLEDGE

A. no article, the

B. an, the

FOR QUESTIONS 1 TO 24, CHOOSE THE CORRECT WORD/PHRASE TO COMPLETE EACH SENTENCE.

EACH SENTENCE.	<ul><li>C. no article, no article</li><li>D. no article, a</li></ul>
I am so as I went running today! Tomorrow I will need a rest.  A. exhausted B. happy C. disgusted D. drain  1. This is the nicest pizza I in a long time.	6. I am in real of a cool drink because it's so hot outside today.  A. needed B. needs C. needing D. need  7. My sister at the cat but my parents thought it was me.  A. was yelling
A. have had B. had had C. was having	<ul><li>B. yells</li><li>C. yelling</li><li>D. has yelled</li></ul>
D. have been having  2. In about 10 minutes, we for about three hours. I think that's enough.  A. have been studied  B. will have been studying  C. will be studying  D. have studied	8. I'm not sure if for help will get you any.  A. asks B. to ask C. asking D. ask
D. have studied  3. My dad's new car in the UK, but the company is Indian owned.  A. made  B. is making  C. was made  D. has made	<ul> <li>9. When the rain stops, we to go and play in the garden again.</li> <li>A. be allowed</li> <li>B. will be allowed</li> <li>C. had been allowed</li> <li>D. have been allowed</li> <li>10. The creation of art is something that artists</li> </ul>
<ul><li>4. The new school flag looks really good, waving in the wind the flagpole on the gym.</li><li>A. atop</li></ul>	find very difficult  A. to explain  B. explain  C. be explaining  D. to have been explaining
B. along C. afore D. astride  5. There is only one way to get result you want and that is to	<ul><li>11. I can see that there is a of chips, shall I get some more?</li><li>A. garrulous</li><li>B. platitude</li><li>C. ton</li></ul>
try harder.	D. dearth

<ul> <li>12. I had already ordered my dinner when my friends</li> <li>A. are turning up</li> <li>B. will turn up</li> <li>C. turned up</li> <li>D. have turned up</li> </ul>	A. germinating B. solidifying C. eradicating D. recreating	
<ul> <li>13. My brother is excellent at most things, but he has always been a bit of a bones.</li> <li>A. lazier</li> <li>B. laziness</li> <li>C. laziest</li> <li>D. lazy</li> </ul>	in what she does, which helps us all keep calm.  A. repetitious B. seditious C. efficacious D. outrageous  20. That cheese smells very Is it	
<ul> <li>14. I'm tired of arguing with my sister, so on this occasion I have decided to</li></ul>	still OK to eat?  A. plateaued B. sharp C. slapdash D. coniferous  21. I like to take a/an approach rather than tackling small problems one at a time.	
D. persuade eating  15. I had to out on my friend the other night because he just wouldn't stop expostulating about politics.  A. walk B. jog C. move D. hit	A. holistic B. barbaric C. infinitive D. problematic  22. The food we received from the takeaway was to our mother's. A. incomparably	
16. I need a new for my computer, but for some reason it won't download.  A. update	<ul><li>B. comparably</li><li>C. comparing</li><li>D. incomparable</li></ul>	
B. down grade C. sideways D. side bar  17. My younger sister always when	<ul><li>23. My uncle was with anger after watching the political debate last night.</li><li>A. incandescent</li><li>B. recidivistic</li></ul>	
she doesn't get her own way. It's very cute.  A. segregates B. grumbles C. ellipse D. traverse	C. rehabilitated D. reverent  24. I think this secret really needs to be kept on the down	
18. I have never been able to grow plants from seed because I am not good at them first.	<ul><li>A. beat</li><li>B. size</li><li>C. and out</li><li>D. low</li></ul>	

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

- 25. Inexorable
  - A. Lenient
  - B. Relentless
  - C. Sensational
  - D. Irresolute
- 26. Abrogate
  - A. Ratify
  - B. Nullify
  - C. Complexify
  - D. Simplify

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

- 27. Conflate
  - A. Divide
  - B. Manage
  - C. Meld
  - D. Agree

- 28. Supplicate
  - A. Answer
  - B. Remove
  - C. Control
  - D. Pause

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

- 29. How do you spell the word that means 'untiring'?
  - A. Unfatigable
  - B. Nonafatigable
  - C. Disdefitiagbale
  - D. Indefatigable
- 30. How do you spell the word that means 'to assume something'?
  - A. Priconseive
  - B. Proconcieve
  - C. Preconceive
  - D. Reconseive

#### READING

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

A study released today provides the most complete list yet of the advantages of solar energy from carbon sequestration to improvements for pollinator habitat. The paper offers a new framework for analysing solar projects to better understand the full suite of benefits. The study was conducted by researchers from the University of California and Lancaster University, along with ten other organisations.

It suggests a framework for understanding more completely, and ultimately quantifying, the benefits of solar energy, by identifying twenty frequently overlooked advantages. For example, solar panels paired with native plant restoration can add habitat while also increasing panel efficiency.

The study also marks the launch of a partnership between the Center for Biological Diversity and UC Davis to advance a "Wild Energy" future, which emphasises the potential of solar energy systems to benefit not only humans, but the entire planet. "The first step in creating a wild-energy future is understanding the true value of solar," said lead author Rebecca R. Hernandez, assistant professor at UC Davis. "By valuing all the benefits of renewable energy, we can start to build an energy system that's beneficial for people, wildlife and wild places," she continued.

"Solar energy has way more benefits than most people can imagine," said Greer Ryan, a renewable energy and research specialist at the Center for Biological Diversity and co-author of the paper. "We're hoping utilities, regulators and legislators will now have a better sense

of the importance of solar energy, which will lead to the expansion of rooftop solar, more community solar development and lower prices for everyone."

Solar energy is the fastest-growing source of power worldwide. In 2019, solar is expected to provide more than 30 percent of all new U.S. electric capacity. According to the International Energy Agency, solar energy could become the largest electricity source by 2050. Solar has many advantages beyond providing power, particularly when built to maximize social, technological and environmental benefits.

"As governments increasingly commit to 100 percent renewable energy, they should valuate and appropriately incentivise the **synergies** outlined in this study," said Alona Armstrong of Lancaster University and the paper's second author. "This would maximize solar energy generation potential while protecting our planet's climate, air quality, water, land and wildlife."

It has been suggested by the authors of the report that there is a need for a model for engineering solar energy systems that maximizes both technological and ecological benefits. They also feel there is a need to create a framework for characterising twenty benefits of installations on different spaces, including rooftop solar; solar on contaminated land; solar over functional bodies of water like reservoirs, water treatment areas and irrigation canals; and solar co-located with agriculture and grazing.

In doing so they have made the case for understanding that as renewable energy development is ramped up to address the climate crisis, it shouldn't create unnecessary negative impacts, especially when technology and resources are available to maximise positive effects. The researchers went on to suggest how this framework might be useful in policy and regulatory decision-making in order to ensure a sustainable energy transition giving governments around the world something to think about.

- 31. Choose the best title or heading for the passage.
  - A. Solar Framework Welcomed
  - B. Solar is Part of the Problem
  - C. New Places for Solar
  - D. Is Solar Really What We Need?
- 32. Who will solar power help?
  - A. The people in sunny countries
  - B. The businesses that make the panels
  - C. The whole planet
  - D. The Americans
- 33. Who does Greer Ryan think will understand this paper?
  - A. Manufacturers
  - B. Local traders
  - C. Global organisations
  - D. Local governments
- 34. What is the main benefit of the framework?
  - A. It will bring more jobs to old farming areas.
  - B. It will reduce the harm done by green energy sources.
  - C. It will mean an end to all other forms of energy production.
  - D. It will bring in a lot of money for places in the sun.
- 35. What does the word 'synergies' mean in the sixth paragraph?
  - A. Positive interaction
  - B. Full remediation
  - C. Negative impacts
  - D. Deformation

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

A change is as good as a rest when it comes to remembering more, according to new research by neuroscientists at the University of Sussex. Dr Michael Crossley, Senior Research Fellow in Neuroscience, used pond snails to study the factors impacting on memory interference. He found that, when tasked with learning two similar things, snails were only able to store and recall the first memory.

Conversely, when faced with learning two totally unrelated tasks, the snails were able to retain all the information and successfully store both memories. Dr Crossley said: "The brain of a snail is much simpler than ours but there are some key parallels which mean studying them can help us to understand more about our own abilities for learning and memory. "We know that multiple learning events occurring in quick succession can lead to competition between memories. This is why, when introduced to multiple people in one go, we can't usually remember every name. "Up until now though, we weren't sure which factors were causing a memory to be remembered or forgotten." | The man make the state of t

Using brain recording, they realised that the same neuron was used when snails tried to learn two similar things. This prompted an overlapping mechanism, which caused only one memory (the first one) to survive, known as proactive interference. In contrast, when two different tasks were learnt, two separate neurons were used, resulting in no competition, no overlap and

the successful storing of both memories. Dr Crossley explained: "We realised that there is an overlapping or non-overlapping mechanism, which plays a key role in determining which memories survive. So, if we want to learn multiple things quickly, we should try learning different rather than similar topics."

For students, this means that they should practice interweaving, switching between multiple different subjects in one day, to retain the most information. However, in the study published in the Nature Group Journal Communications Biology, Dr Crossley and his colleagues also found that the timing of the new learning can play a big role in the interference of memories.

When they introduced new learning to a snail during a memory lapse (the stage at which information is temporarily forgotten as it is transferred from short to longer term memory) researchers found that an older memory was always lost. This is known as retroactive interference. Dr Ildiko Kemenes, senior author on the paper, said, "In effect, we think the brain is deciding to replace the older learning, which hasn't yet been committed to longterm memory, for a newer one, which it thinks might be more relevant. Interestingly, it's only when trying to learn something new during a memory lapse that this interference happens. "This suggests that the older memory was only vulnerable due to new memories being formed. This makes sense when we think about humans as we wouldn't want a system where our memories are vulnerable if someone bumps into us at the wrong time!"

39. Learning well is not just helped by mixing up topics but
<ul> <li>A. being well rested is important too</li> <li>B. having enough food is important too</li> <li>C. timing is important too</li> <li>D. location is important too</li> <li>40. What does 'retroactive' refer to in the last paragraph?</li> <li>A. Something done at the same time</li> <li>B. Something taking effect from a date in a past</li> <li>C. Something done before another event</li> </ul>
D. Something never done but thought about
EN EXPRESSION
Chris: Really, perhaps you should for a while then.  A. back up B. keep in C. lay low D. eat pie  44. Teacher: Are you sure everyone has handed in their homework?  Student: Absolutely sir, and we're all on and needles to find out the results.  A. eggshells B. pins
C. decks D. nails  5. Randa: I can't climb that tree! Elwood: Why not? It'll be a  A. coddle B. model C. bobble D. doddle

#### **ACHIEVERS SECTION**

FOR QUESTIONS 46 AND 47, CHOOSE THE	A. Beauty
CORRECT WORD/PHRASE TO COMPLETE	B. Visionary
EACH SENTENCE.	C. Bizarre
46. I am so unlucky these days, I can't anywhere and it's annoying me.	D. Bedlam  49. CHOOSE THE CORRECT ANTONYM OF THE GIVEN WORD.
<ul><li>A. ran amok</li><li>B. catch a break</li></ul>	Pejorative
C. wriggle out of it	A. Irrevocable
D. slide to the side	B. Superstitiously
47. If I thirsty, I the lemonade that's on the table over there.	<ul><li>C. Platitudinous</li><li>D. Complimentary</li></ul>
A. had been, would've drunk	50. CHOOSE THE MOST SUITABLE OPTION TO COMPLETE THE CONVERSATION.
<ul><li>B. was, would drink</li><li>C. would have been, drank</li><li>D. was to be, drank</li></ul>	Jimmy: The programme I watched last night was ridiculous.
	A. utterly
48. CHOOSE THE CORRECT SYNONYM OF THE GIVEN WORD.	<ul><li>B. too much</li><li>C. cringy</li></ul>
THE GIVEN WORD.	D. way over at







Maelstrom







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