



Metallurgy
Materials Engineering

PROF. BRAHM PRAKASH MEMORIAL MATERIALS QUIZ 2017

September 8-9, 2017
SRI Convention Centre, Anupuram, Tamilnadu



Organized by

The Indian Institute of Metals, Kalpakkam Chapter
C/o Indira Gandhi Centre for Atomic Research,
Kalpakkam 603 102, Tamil Nadu

Website: <http://www.iim-kalpakkam.in/index.php/bpmmq>

The Kalpakkam Chapter of the Indian Institute of Metals (IIM) has been conducting the Materials Quiz for the students of class XI and XII since 1990. In the year 1993, this event was named after Prof. Brahm Prakash, an eminent metallurgist of India. This year, the silver jubilee celebration of Prof. Brahm Prakash Memorial Materials Quiz (BPMMQ) programme will be conducted at IGCAR, Kalpakkam on September 9, 2017. Like in the previous years, along with the Quiz Competition, Brahm Prakash Memorial Lecture and an Elocution Contest will be conducted. On September 8, 2017, the 'Metal Camp' programme will be arranged which includes visit to nuclear facilities at Kalpakkam.

National Level Committee

Patron: Dr. Baldev Raj, *Director, NIAS, Bangalore*
Members: Dr. A.K. Bhaduri, *Director, IGCAR*
Dr. S.S. Mohanty, *Past President, IIM*
Prof. Indranil Manna, *Immediate Past President, IIM*
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Dr. Anand Sen, *Vice President, IIM*
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Dr. Sadhan Roy, *Secretary General, IIM*
Dr. De Sarkar, *Hon. Treasurer, IIM*
Dr. G.K. Dey, *Director, Metallurgy Group, BARC*
Dr. G. Amarendra, *Director, MMG & MSG, IGCAR*

About BPMMQ event

This programme was initiated as a part of IIM efforts to create awareness among the students about the role of metallurgy and materials in industrial and technological developments. Over the years, this Quiz Competition has attracted appreciation from academia, research & industry and is considered a prestigious annual event of the Kalpakkam Chapter and the IIM. The National Level "Prof. Brahm Prakash Memorial Materials Quiz" has gained wide popularity with student community. About 50 teams comprising 100 students from all over the country participate every year. The BPMMQ event provides every year an opportunity to meet and interact among 25 to 30 IIM Chapter members along with participating students. This prestigious program of IIM Kalpakkam Chapter serves the important mandate of the IIM namely "CONNECT THE MEMBERS' DRIVE".

The co-organizers of this event are The Indian Institute of Metals, Kolkata, Department of Atomic Energy, Mumbai, and Indira Gandhi Centre for Atomic Research, Kalpakkam. Our major sponsors are JSW, Mumbai; BHAVINI & MAPS, Kalpakkam and NFC, Hyderabad. Many industries like MIDHANI, Hyderabad; IREL, Mumbai; TATA Steel, Jamshedpur; SAIL; Kansai NEROLAC, Mumbai etc., and many other companies and organizations share our pride in nurturing the young students.

Metal Camp (Friday, September 08, 2017)

In the Metal Camp programme, the students and escorts accompanying students will be taken around various nuclear facilities at Kalpakkam, namely, Madras Atomic Power Station (MAPS), Fast Breeder Test Reactor (FBTR) and Prototype Fast Breeder Reactor (PFBR) and the state-of-the-art facilities for advanced research in metallurgy and materials. The visit to various reactor sites and the exposure to world class research facilities would be an enthralling experience for the budding students.

Prof. Brahm Prakash Memorial Lecture (Saturday, Sept 09, 2017)

Eminent metallurgist/materials scientists like Prof. C.V. Sundaram, Dr. P.K. Iyengar, Dr. R. Chidambaram, Dr. C.G.K. Nair, Prof. S. Ranganathan, Prof. D. H. Sastry, Prof. A. K. Sood, Prof. P. Ramachandra Rao, Dr. D. Banerjee, Dr K. Chattopadhyay, Prof. V.S. Ramamurthy, Prof. Placid Rodriguez, Dr. Baldev Raj, Dr V.S. Arunachalam, Prof. P. Rama Rao, Shri. L. Pugazhenthay, Dr. G. Sundararajan, Dr. Sanak Mishra, Dr. S. Banerjee, Dr. G. Malakondaiah, Prof. S.P. Mehrotra, Prof. Indranil Manna, Dr. R.N. Patra and Shri S.S. Mohanty have delivered the BPMMQ memorial lecture in the earlier years and motivated the students. This year too, an eminent metallurgist/materials scientist will be invited to deliver the prestigious "Prof. Brahm Prakash Memorial Lecture" and to share their valuable experiences in the exciting world of materials and materials science with the participating students to inspire the young minds. The entire programme will be scientifically rich in content and rewarding to the students.

Essay cum Elocution Contest (Saturday, September 9, 2017)

The essay cum elocution contest will be organized as a part of the program by receiving essays on the topics from the recent advancements in the materials field. Essays will be reviewed and short listed essays will be presented by the student participants during the elocution contest. The essays short listed for the final elocution contest will also be published in the BPMMQ Souvenir - 2017 which would be released during the program.

The topics for essays/elocution are

1. Roof top solar, backyard wind turbines, how feasible is it for India, even with public/private support?
2. Future of composite materials for structural applications.
3. Are bio-degradable polymers totally safe for our environment?

The essays must be limited to a maximum of 2000 words only and only the participants in the BPMMQ 2017 are eligible for the contest. Font to be used Times New Roman - Title in 18pts, sub title in 14pts and text in 12pt. For more details about the format, refer to "Elocution Contest Essay Format". These instructions must be strictly followed. Otherwise the essay will be disqualified. Selected essays will be published in the souvenir. In order to facilitate this the cut-off date for receiving the essays is August 25, 2017. The essays must be sent through email to bpmmqkalpakkam@gmail.com

Quiz Programme (Saturday, September 9, 2017)

The teams nominated by Chapters/Schools participate in preliminary rounds held in parallel sessions and the winner and the runners- up teams from each session are chosen for the semifinals. Teams chosen from the semifinal sessions shall contest the Grand Finale. Dr. Sumanth C. Raman, famous Doordarshan Quiz Master from Chennai will conduct the exciting Grand Finale. The Quiz will consist of minimum ten rounds of questions in audio-video, crossword puzzles, dump charade, etc. from various aspects of metallurgy and materials from heritage to modern aspects. The minimum rules and conditions followed are given below:

1. Each team shall be represented by two students only.
2. A maximum of two teams shall strictly be allowed per Chapter.
3. A maximum of two teams per school shall participate from regions where IIM local chapters are not functional.
4. Only one escort per Chapter is permitted to accompany.
5. The teams are required to register along with their escort on or before **August 25, 2017** . Confirmation of registration will be sent to the participating teams. **It is important to note that the local hospitality will be extended only to teams and escorts who have the confirmation of registration.**
6. All the Chapters/Schools (whichever is applicable) are requested to send their participants/ escorts' details, travel itinerary & scanned copy of the ID card not later than **August 25, 2017** .
7. **The Registration form is sent by email or it can be downloaded from the website. The registration form to be filled in the soft copy itself (pdf) and the valid ID card (jpeg) to be inserted in the soft copy itself and send by email to bpmmqkalpakkam@gmail.com. Scanned registration forms will not be accepted.**

Prizes for BPMMQ 2017 and Elocution Contest

The winners and the runners-up of the quiz programme will receive the prize money of Rs 25,000/- and Rs 10,000/- respectively after the Grand Finale. The winner and the runner-up of Elocution Contest will receive the prize money of Rs 20,000/- and Rs.10,000/- respectively. In addition, the winners and runners-up of BPMMQ 2017 will be invited to participate in the National Metallurgist Day (NMD) celebrations at BITS (Pilani), Goa organized by IIM on 14th November 2017 to receive the Certificates and Cash Award of Rs 25,000/- and Rs 15,000/- respectively.

Quiz Details

Winners	Rs. 50,000 (IIM)
Runner	Rs. 25,000 (IIM)

Elocution Prize details

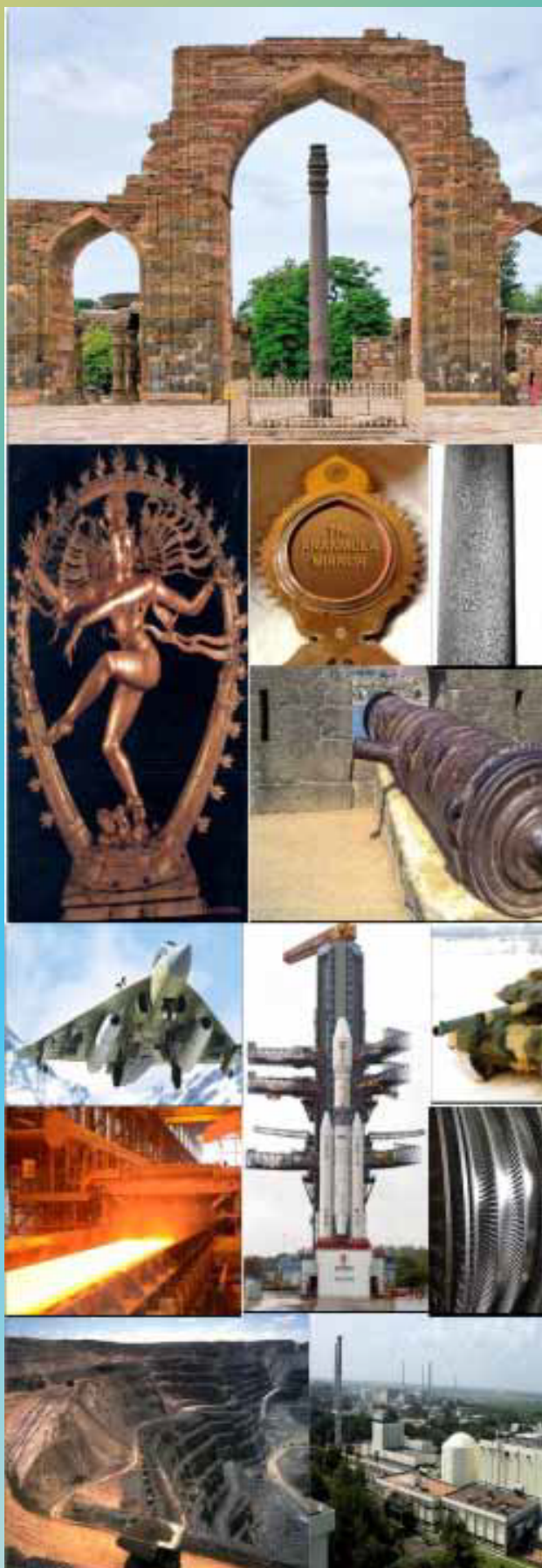
Winner	Rs. 20,000/-
Runner	Rs. 10,000/-

Accommodation and local hospitality

IIM Kalpakkam Chapter would take care of local hospitality (free of cost) that includes pick-up and drop from/to Chennai railway station/airport for the registered participants and their escort, suitable accommodation in and around Kalpakkam, and food during their stay.

About Kalpakkam

Kalpakkam is a coastal township situated on the shore of Bay of Bengal, at a distance of 75 km from Chennai and about 20 km from the famous archeological town of Mamallapuram. The clean and vast beach spread across over a few kilometers distance in the residential colony will for sure captivate the minds and hearts of all participants.



Important Dates

Last Date of Intimation of Participation from Chapters/ Schools (where IIM chapter is not functional)	August 15, 2017
Last Date of Registration from Chapters/ Schools (where IIM chapter is not functional)	August 25, 2017

Contact Details

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Website

For more details and updates about the BPMMQ 2017 programme, please do visit our website:

<http://www.iim-kalpakkam.in/index.php/bpmmq>