

Subject: **General Knowledge**

Code: **7.46 / 111**

Sr. No.:

Roll No.:

Signature of the Invigilator

Date: 18.04.2007

Duration: 2 Hours

Time: 09:00 Hrs. to 11:00 Hrs.

Max. Marks: 50

Instructions: Please read the following instructions carefully before writing your answers:

- 1) All Questions are compulsory.
- 2) Each Questions carries 1 mark.
- 3) There are four alternatives - (A), (B), (C), (D) given against each question out of which only one is the most appropriate answer. **If (A) is correct, round on the correct alternative like (A).**
- 4) The discarded answer if any, must be crossed properly and supported by initial of the candidate.
- 5) If a question is answered wrongly or more than one answers are marked, 0.25 marks will be deducted for each such question.
- 6) **Use only blue or black ball pen only. Use of Pencil is not allowed.**
- 7) No sheet from the Question Paper / Answer Book should be detached.
- 8) You may do rough work, if required, on the blank sheets.
- 9) **Please DO NOT repeat DO NOT write your name anywhere on the Question Paper.**

Q.1. What are the Gurjars caste in Rajasthan fighting for ?

- (A) for SC status (B) for OBC status
(C) for ST status (D) None of these

Q.2. If you wish to increase the amount of current in a resistor from 120 mA to 160 mA by changing the 24 V source, what should the new voltage setting be?

- (A) 8 V (B) 320 V (C) 3.2 V (D) 32 V

Q.3. What is expansion of UNICEF ?

- (A) United Nations International Childrens'Emergency Fund
(B) Union of National Integrity, Cultural & Educational Fund
(C) United Nations International Cultural & Economical Fund
(D) None of these

Q.4. BARC is situated at:

- (A) Chennai (B) Trombay (C) Bangalore (D) Hyderabad

Q.5. RTI Act received the assent of President of India on:

- (A) 15th June 2005 (B) 19th June 2005 (C) 14th Jan 2006 (D) 30th Dec 2006

Q.6. RTI Act extends to the whole of India except:

- (A) Sikkim (B) Goa, Daman & Diu (C) Andaman & Nicobar (D) Jammu & Kashmir

Q.7. PIO under RTI Act means:

- (A) Public Information Officer (B) Personnel Information Officer (C) Private Investigating Officer (D) Public Investigating Officer

Q.8. RTI Act came into force on:

- (A) 15th Dec 2005 (B) 12th Jan 2006 (C) 12th Oct 2005 (D) 18th July 2006

Q.9. In a Y-Y source/load configuration, the?

- (A) phase current, the line current, and the load current are all equal in each phase
- (B) phase current, the line current, and the load current are 120° out of phase
- (C) phase current and the line current are in phase, and both are 120° out of phase with the load current
- (D) line current and the load current are in phase, and both are out of phase with the phase current

Q.10. The part of a bevel protractor, which comes in contact with the inclined surface while measuring, is the?

- (A) Stock (B) Dial (C) Disc (D) Blade

Q.11. The Thevenin equivalent voltage is?

- (A) equal to the source voltage (B) the same as the load voltage (C) the open circuit voltage (D) none of the above

Q.12. The point angle of a drill suitable for drilling thin plates is?

- (A) 90° (B) 120° (C) 180° (D) None of above

Q.13. Who was the first President of India:

- (A) Dr. Sarbopalli Radha Krishnan (B) Fakaruddin Ali Ahmed (C) Dr. Rajendra Prasad (D) N. Sanjiva Reddy

Q.14. Who won Miss Universe 2007 pageant ?

- (A) Miss Puja Gupta (B) Miss Riyo Mori (C) Miss Allena Hanoi (D) Miss Patricia Mair

Q.15. Constitution of India was adopted and enacted on:

- (A) 26th Jan 1947 (B) 26th Jan 1948 (C) 26th Jan 1949 (D) 26th Jan 1950

Q.16. 42nd Amendment Act, 1976 relates to which aspect of the constitutional provision:

- (A) Fundamental Rights & Directive principles (B) Equality before law (C) Creation of new state (D) Duty & responsibility of state

Q.17. Article 24 of the Constitution "prohibits employment of children in factories, etc." below the age of:

- (A) 18 years (B) 22 years (C) 14 years (D) 12 years

Q.18. If two currents are in the same direction at any instant of time in a given branch of a circuit, the net current at that instant?

- (A) is zero
- (B) is the sum of the two currents
- (C) is the difference between the two currents
- (D) cannot be determined

Q.19. Which article gives special status to the state of Jammu and Kashmir in the Constitution?

Q.20. The following is considered the symbol of Justice:

- (A) Spring balance (B) Beam balance (C) Hydraulic balance (D) Pneumatic balance

Q.21. A certain transformer has a turns ratio of 1 and a 0.85 coefficient of coupling. When 2 V ac is applied to the primary, the secondary voltage is?

- (A) 1.7 V (B) 0.85 V (C) 1 V (D) 0 V

Q.22. 150th Anniversary of Armed Uprising (Sepoy Mutiny) in Indian Army against the British Emperor was celebrated in:

(A) April 2007 (B) May 2007 (C) Aug. 2006 (D) Aug. 2007

Q.23. When did "The Workmen's Compensation Act" came into force ?

(A) 15th March 1922 (B) 28th Dec 1923 (C) 5th March 1923 (D) 1st July 1924

Q.24. What is the restriction on number of times of medical examination of a worker under Workmen's Compensation Act in the first month following the accident ?

(A) 1 time (B) 2 times (C) 3 times (D) 4 times

Q.25. Workmen's Compensation Act, 1923 does not liable the employer to pay compensation if the accident is attributed to:

- (A) The workmen under influence of drinks or drugs
- (B) The workmen has mental worry
- (C) The workmen is suffering from some disease
- (D) The tools & equipments with which the workmen is working is/are defective

Q.26. The Workmen's Compensation is admissible:

- (A) If accident occurs during working hours
- (B) If accident occurs while carrying out work
- (C) Whether or not negligence is involved
- (D) None of these

Q.27. Voltage is measured in?

(A) volts (B) farads (C) watts (D) ohms

Q.28. Eight-tenths coulomb passes a point in 4 s. The current in amperes is?

(A) 1.6 A (B) 16 A (C) 2 A (D) 0.2 A

Q.29. Within how many days an appeal shall be made in the High Court against an order awarding compensation by Commissioner ?

(A) 15 days (B) 30 days (C) 60 days (D) 75 days

Q.30. Indicate percentage loss of earning capacity due to partial or permanent disablement for loss of thumb:

(A) 10 % (B) 20 % (C) 30 % (D) 40 %

Q.31. Indicate percentage loss of earning capacity due to absolute deafness:

(A) 50 % (B) 60 % (C) 90 % (D) 100 %

Q.32. Ozone layer in the atmosphere protects from:

- (A) Ultra violet rays (B) Infra red rays
- (C) Heat (D) Poisonous gases

Q.33. The formation of Works Committee is the provision under the following Act:

- (A) Factories Act, 1948 (B) Workmen's Compensation Act, 1923
- (C) Industrial Dispute Act, 1947 (D) Payment of Wages Act, 1936

Q.34. Following legal establishment decide the legality & justifiability of a strike:

- (A) Industrial Tribunal (B) High Court
- (C) Central Administrative Tribunal (D) Session Court

Q.35. What is the object of payment of Wages Act ?

(A) To decide the amount of wages

- (B) To avoid unnecessary delay in the payment of wages and prevent unauthorised deductions from the wages
- (C) To review the wages of Workmen time to time and ensure payment without faulty deduction
- (D) To fix up overtime wages, bonus time to time

Q.36. Under the provision of the Payment of Wages Act, 1936 an employer has to be paid wages for a period not longer than:

- (A) 7 days (B) 14 days (C) 21 days (D) One month

Q.37. Who is the Chairman of Planning Commission ?

- (A) Dr. Soli Sorabjee (B) Dr. Manmohan Singh
(C) Shri Montek S. Ahluwala (D) None of these

Q.38. Which one of the following is not a renewable energy ?

- (A) Fuel Cell (B) Wind Energy
(C) Petroleum (D) Ocean Energy

Q.39. The current five years plan period is the _____ plan:

- (A) 10th (B) 11th (C) 12th (D) 13th

Q.40. What kVA rating is required for a transformer that must handle a maximum load current of 8 A with a secondary voltage of 2 kV?

- (A) 4 kVA (B) 0.25 kVA (C) 16 kVA (D) 8 kVA

Q.41. 36th Amendment Act associate Sikkim in the Union of India in the year:

- (A) 1975 (B) 1971 (C) 1978 (D) 1980

Q.42. State can notify to suspend the provision of Factories Act, 1948 except Section 67 during public emergency, at a time, for a period not exceeding:

- (A) 6 months (B) 1 month (C) 4 months (D) 3 months

Q.43. What is the restriction of working hours in a factory under Factories Act ?

- (A) 43 $\frac{3}{4}$ Hrs. (B) 48 Hrs. (C) 51 Hrs. (D) 54 Hrs.

Q.44. What is the maximum working hours per day within the provision of weekly restriction ?

- (A) 9 Hrs. (B) 8 Hrs. (C) 8 $\frac{1}{2}$ Hrs. (D) 10 Hrs.

Q.45. An accident requiring sending of notice to appropriate authority should essentially prevent from working for a period of:

- (A) 24 Hrs. (B) 48 Hrs. (C) 72 Hrs. (D) 96 Hrs.

Q.46. Who is the present Chief Justice of India ?

- (A) Justice P.N. Bhagwati (B) Justice A.N. Roy (C) Justice K.G. Balakrishnan (D) None of these

Q.47. Whom the "Executive Power of the Union of India" vested upon ?

- (A) Comptroller & Auditor General of India (B) Solicitor General of India (C) Attorney General of India (D) President of India

Q.48. Who is the present Solicitor General of India ?

- (A) Harish N. Salve (B) Santosh Hegde (C) A.D. Giri (D) None of these

Q.49. What is SEZ ?

- (A) Special Eco-friendly Zoo (B) Special Economic Zone (C) Standard Eco Zip (D) Special Educational Zone

Q.50. The provision for non-discrimination in matters of public employment is based on:

- (A) Religion only
- (B) Religion, race, caste, sex, descent or any of them
- (C) Caste only
- (D) Religion, race, caste, sex, descent, place of birth, residence or any of them