CSM – 4/18

General Studies

Paper – II

Time : 3 hours

Full Marks : 300

The figures in the right-hand margin indicate marks.

*Answer **all** questions.*

1. Answer any **two** of the following :   10×2 = 20

   (a) Examine the status of India's relations with Bangladesh.

   (b) Discuss the peace building initiatives of India and Pakistan in Jammu & Kashmir.

   (c) Examine the Nine Point Agenda suggested by India to G-20 countries in Buenos Aires on 'Fugitive Economic Offenders'.

2. Answer any **one** of the following :   10

   (a) Examine the challenges of external security threats posed by India's neighborhood.

BD – 4/8   (Turn over)

(b) Explain China-Pakistan factor as a threat to India's external security.

3. Answer any **one** of the following : 10

(a) Explain how far India's Nuclear Doctrine is relevant to challenges of current times.

(b) Examine the salient features of India's Nuclear policy.

4. Answer any **one** of the following : 10

(a) Explain how far Indian investment Abroad is strengthening Indian Economy.

(b) Examine the statement "India becomes wealthier if more Indians leave the country to settle abroad".

5. Answer any **three** of the following : 10×3 = 30

(a) Assess the impact of economic liberalization of 1991 on the occupational structure in India.

(b) "India is a fast transforming knowledge economy." Discuss the statement.

(c) How are the principles followed by the NITI Aayog different from those followed by the erstwhile Planning Commission in India ?

(d) Critically evaluate inclusiveness and sustainability of growth as the development strategy in Indian in recent times.

(e) Explain the performance of corporate sector in economic reform period in India.

6. Answer any **three** of the following : 10×3 = 30

(a) What do you mean by monetary policy transmission ? Discuss the impediments to monetary policy transmission in India.

(b) How are India's exports and imports likely to be affected by changes in the real exchange rate of the Indian economy ?

(c) Illustrate, in brief, the composition of India's imports during the economic reforms era.

RD - 4/8 (3) (Turn over)

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(d) Explain the term 'Demonetisation'. Assess the effects of demonetisation of the economy and on black money.

(e) Describe the salient features of TRIMS. How has it impacted the textile and clothing sector in India ?

7. Answer any **two** of the following : $15×2 = 30$

(a) Elucidate the key features of the economic development of Odisha during the post Reform period.

(b) What do you understand by regional disparity ? Examine the steps taken by the Government of Odisha to minimize regional disparity.

(c) Give an account of the growth of steel industries in Odisha and discuss the problems faced by the steel industries of Odisha in procuring raw materials.

8. Answer any **four** of the following :   5×4 = 20

   (a) China blocks listing of Azhar Masood as global terrorist

   (b) Gandhi statue removed in Ghana

   (c) Bulgaria rejects UN migration plan

   (d) India Quietly Seals Missile Deal with Russia

   (e) Mugabe's forced resignation in Zimbabwe

   (f) European nations recognize Guaido as interim President of Venezuela

9. Answer any **four** of the following :   5×4 = 20

   (a) Define Human Rights and discuss about International Human Rights Law.

   (b) Examine the Social Security System of International Labour Organization.

   (c) Discuss the benefits of Britain being in the EU or leaving it.

   (d) Examine SAARC's impact on Indian Economy.

(e) Discuss the objectives and role of World Health Organization.

(f) Examine the criticism on International Court of Justice.

10. (a) Answer the following questions in **50** words each : 6×5 = 30

   (i) What is Graphene ? Discuss the potential applications of graphene.

   (ii) What is Ebola Virus Disease ? In which continent is this found ? How is Ebola treated ?

   (iii) Write a note on "Atoms for Peace".

   (iv) What is MRI ? Explain its applications.

   (v) What is the significance of solid state battery cells ?

(b) Answer the following questions in **50** words each : 6×5 = 30

   (i) Describe, briefly, the different forms of optical telecommunication.

(ii) Explain briefly the role of antenna in communication system.

(iii) What is ISRO ? What are its main objectives ?

(iv) "Space technology is improving our lines and making the world a better place" – discuss briefly giving examples.

(v) What do you mean by PSLV ? What is its role in the development of communication system ?

(c) Answer the following questions in **50 words** each :   6×5 = 30

(i) What is a Virus ? Explain how computers can be protected free of virus using antivirus software.

(ii) What is Number System ? Discuss how to do conversion from one number system to another giving suitable example.

(iii) Discuss how a program is executed in a computer. Explain the corresponding components.

(iv) What is Computer Memory ? Discuss types of memory . Explain the units to measure computer memory.

(v) What is a Super Computer ? Explain the objectives and prosperous steps taken by Odisha Government for setting up of super computers.

11. The multiple bar diagrams given below shows the production of cement (in lakh tons) by three different companies JK, RR and DK over the years 2000 to 2004. Study it and answer the questions :

Production of cement(in lakh tons) by three companies JK,RR and DK from year 2000 to 2004

(a) What is the ratio of average production of company JK in the period 2002-2004 to average production of company RR in the same period ?   3

(b) Find out the average production for five years for each company. Hence find out the median of the production of company DK.   3

12. The following pie chart shows the percentage distribution of the expenditure incurred in publishing the book. Study the pie chart and answer the question based on it :

Various Expenditures (in percentage) Incurred In Publishing the Book

- Promotion cost — 36 degree
- Printing cost — 72 degree
- Royalty — 54 degree
- Transportation cost — 36 degree
- Binding cost — 72 degree
- Paper cost — 90 degree

BD—4/8   (9)   (Turn over)

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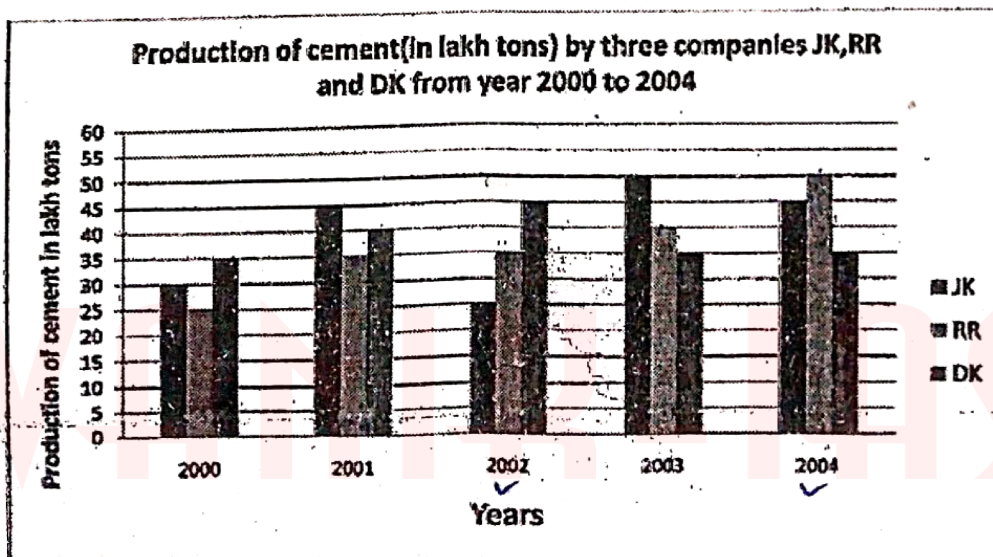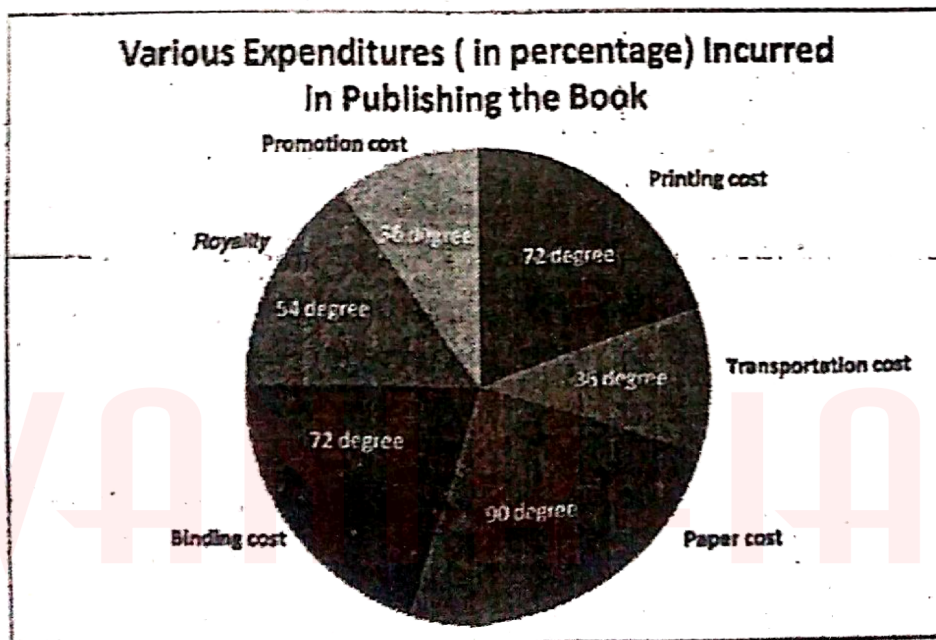Plot-266, Unit-7, Modipada Sambalpur-768001
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(i) If for a certain quantity of books, the publisher has to pay Rs. 30,600 as printing cost, then what will be the amount of royalty to be paid for these books ?   3

(ii) If 5500 copies are published and transportation cost of them amount to Rs. 32,500, then what should be the selling price of the book so that the publisher can profit of 25% ?   3

13. In a batch of 15 students, three students are failed in a test. The marks who have passed were :

90, 65, 48, 67, 72, 65, 47, 48, 59, 60, 50, 55

(a) Find the average mark of the batch students.   3

(b) How many students secured more than 75th percentile of mark ?   3

14. In a certain office, a page is typed by A in 4 minutes. The same page is typed by B, C and D in 5, 6 and 10 minutes respectively.

   (a) What is the average time to complete one page ? 3

   (b) How many pages do you expect to be typed in one day comprising 8 working hours ? 3

15. The odd against A speaking the truth are 4 : 6 while the odd in favour of B speaking the truth are 7 : 3 :

   (a) What is the probability that A and B contradict each other stating the same fact ? 3

   (b) A and B do not contradict each other stating the same fact ? 3

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